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THE
CHAS. H. LILLY & CO.
SUCCESSORS TO
LILLY, BOGARDUS & CO.

SEATTLE

SEEDS
PLANTS
POULTRY & BEE
~ SUPPLIES ~
FERTILIZERS

1905

GOLDEN NUGGET CORN

**Early
Prolific
A Good Yelder
Northern Grown**

There is only one best Field Corn for the Pacific Northwest and that is Golden Nugget. Our seed is pedigree stock and Strictly Northern Grown. It costs more than the ordinary kind, but it is worth a heap more. Golden Nugget will produce and mature a crop of Field Corn where Pride of the North and other varieties will not.

We believe that we are the first and only firm on the Pacific Coast to offer Seed Field Corn that is absolutely guaranteed to be Northern Grown.

Try It and See the Difference

**1 lb. - 10c
100 lbs. - \$8.00**

SOLD ONLY IN SEALED PACKAGES

6291 1

SEED DEPARTMENT

THE CHAS. H. LILLY CO.

SEATTLE

SUCCESSING LILLY, BOGARDUS & CO., JULY 1ST, 1905

FRANK LECKENBY,
MGR. SEED DEPT.

ANNOUNCEMENT

You will notice in this issue of our catalogue a change in the firm name. In this connection we believe it will be interesting to our readers to learn that Lilly, Bogardus & Company started business in Seattle in March of 1889, before the big fire. From the start the policy has been to always manufacture or handle a strictly first-class article, one that could be relied on by the purchaser. This method of doing business evidently has been appreciated by the public, as the business grew so fast that in 1894 it was necessary to incorporate. Mr. Lilly has been President and Treasurer of the Company ever since its inception and from time to time has gathered around him men in whom he had confidence to carry out his plans. In April, 1904, Mr. Lilly bought out all interests of his former partners, and, having associated with him five of the active workers of the old company, will on July 1st, 1905, form a company that will be known hereafter as THE CHAS. H. LILLY CO. All departments are in the hands of specialists whose duty and pleasure it is to see that every customer receives careful, personal attention and absolute satisfaction.

We wish to thank you all for the very liberal patronage we have had during the past. We feel well repaid for our efforts to give you something better than the ordinary. Appreciating the fact that the planter of seeds has no way of telling what crop he is to get and must rely on the reputation of the firm of whom he buys and realizing our responsibility, we use every effort to always see that our customers get the best procurable, and we are working not only to get new customers but to keep the old friends.

To those who want the best we earnestly recommend the garden seeds illustrated and described on pages 2 to 32 of this catalogue. These are the varieties that we can recommend as being adapted to the Northwest. All garden seeds sold under the name of LILLY'S BEST are carefully selected stocks of the most improved strains and are sold only in SEALED PACKAGES. You can buy these seeds through the local dealer but insist on getting Lilly's Best in Sealed Packages. They cost more than common stock and are worth more.

In every business there are bound to be some mistakes and we are no exception to this rule, although every precaution is taken to avoid errors. If you have any complaint

to make, write to us at once. Your letter will be given personal attention and we are bound to see that you are satisfied.

We have spent considerable time and effort in getting out this catalogue and much more labor in putting ourselves in readiness to take care of your wants, but shall feel repaid if each of our customers finds pleasure in reading our book, and both pleasure and profit in your dealings with us.

COLUMBIA MAMMOTH ASPARAGUS

LILLY'S SELECT STOCK

This superior variety was introduced a few years ago. It has already become very popular, commanding the highest price in all markets where it is known. It is, without exception, the largest and best Asparagus grown. A bunch of twelve stalks will weigh three to four pounds. In size, color and yield, it far surpasses any other variety, while it is less susceptible to disease. The delicacy of its color notably distinguishes it from other varieties, while its thick stalks are unusually tender and succulent, and of delicious flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, prepaid. Sold only in sealed packages.

For Asparagus Roots, See Plants.

BURPEE'S NEW STRINGLESS BEAN

**America's Standard (Green Podded)
Dwarf Snap Bean**

LILLY'S SELECT STOCK.

First introduced ten years ago, is absolutely unequalled. It combines the chief merits of all other varieties—viz., unusual hardness, extreme earliness, and wonderful productiveness, with pods of handsome appearance and finest quality. Letters from planters in every section state that this distinct variety successfully withstood frosts which destroyed even the Early Six Weeks. By reason of this hardness early plantings may be made to produce the earliest crop, and even with later plantings at the same date as other varieties under the most favorable conditions we still find BURPEE'S STRINGLESS the first to produce pods.

For either the market or home garden, no other green-podded bean is so satisfactory, while by frequent plantings fine pods may be had in constant succession from spring until cut off by heavy frosts in the fall. Combined with the extra hardness and early maturity we have unequalled quality and handsome appearance of pods. The pods are a rich green, very round and straight, five inches long, solidly meaty and broad, deeply saddle-backed or creased along the back, caused by the rounded swell of the fleshy sides. The pods are tender, brittle, and of finest flavor, always entirely stringless even when fully matured.

Price: Pkt., 10c.; lb., 25c., postpaid; at purchaser's expense, lb., 15c., 10 lbs., \$1.25. Sold only in sealed packages.

**For full list of Beans see
Vegetable Seeds.**

**For complete index see the last
page of catalog.**

Burpee's New Stringless Bean

GERMAN BLACK WAX BEAN

LILLY'S SELECT STOCK
IN SEALED PACKAGES

The earliest of the wax beans, with pods of medium length and generally curved. They are of fine quality, stringless and tender. We have a highly improved stock of this popular bean and one that is noted for its earliness and abundant yield.

Pkt., 10c.; lb., 25c., postage paid. By freight or express, at purchaser's expense, 1 lb., 15c.; 10 lbs., \$1.25. Only in sealed packages.

Lilly's Golden Jersey Wax Bean

Only in Sealed Packages.

An improved variety of the old favorite Golden Wax. The plants are of bushy growth, vigorous, early and very prolific. The pods are large and very handsome; they are uniform in growth, broad, thick and exceedingly solid, of delicious quality, brittle and tender; they are absolutely without string and remain so until fully matured. In color they are a beautiful golden yellow and present probably the finest appearance of any bean grown. It is the most widely grown of any dwarf bean, and its perfect reliability has justly earned for it an enviable reputation. It never fails to produce an abundant crop of large, handsome pods.

Pkt., 10c.; lb., 25c., postage paid. At purchaser's expense for transportation, 1 lb., 15c.; 10 lbs., \$1.25. Sold only in sealed packages.

Full cultural directions for all Garden Vegetables are to be found in Lilly's New Crop Book. A copy free on request to all who buy 25 cents' worth of Lilly's Best Seeds.

LONGFELLOW

Green Pod Bush Bean

A new extra early green podded Bush Bean of great promise. It is a snap Bean of excellent quality. It yields an enormous quantity of pods that are of most delicious flavor, very fleshy, straight, round and solid. They are remarkably free from string, unless allowed to get too old, and are very tender and brittle. The delicate green color of the pod is retained after cooking, adding to the attractiveness of the bean when served.

The plants are healthy, vigorous growers and bountiful yielders, maturing a crop that is early and uniform. It should be in every garden where a fine bush bean is appreciated.

Pkt., 10c.; lb., 25c., post-paid. By freight or express, lb., 15c.; 10 lbs., \$1.25. Sold only in sealed packages.

**LILLY'S
CHOICE
STRAIN**

Lazy Wife POLE BEAN

LILLY'S SELECT STOCK.

The most popular pole bean grown. Pods are wonderfully broad, thick, and, above all, entirely stringless. They surpass any other variety in the way vines cling to the poles, and every bean grower will at once acknowledge this is a most important qualification. Pods are rather flattish, oval shape and when fully grown are from four to six inches long, exceedingly rich, buttery and fine flavored when cooked. They are hardy, easily grown and most productive. For an early and late snap sort, also as a dry shell or winter bean, it is unsurpassed, and such is the peculiar taste and pleasing flavor of this bean that we have known persons who would not eat other varieties of string beans after once tasting Lazy Wife.

Pkt., 10; lb., 30c., postage paid. At purchaser's expense for transportation, 1 lb., 20c.; 10 lbs., \$1.50. Sold only in sealed packages.

Lilly's Crop Book tells how to grow Beans. A copy free on request with 25c or larger order.

Burpee's Bush Lima

LILLY'S CHOICE STOCK

This is of true bush form, coming absolutely true from seed. The bush grows from eighteen to twenty-four inches high, branching freely, bearing from 50 to 200 large pods, well filled with delicious buttery beans fully as large as the old style Pole Lima. The large size of this bean commends it to many.

Pkt., 10c.; lb., 25c., prepaid. Sold only in sealed packages.

For full list of Beans, see Vegetable Seeds.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

L. & B.

Royal Red Mangel

**Heavy Crops
Easily
Harvested**

**LARGE
CLEAN
ROOTS**

**Highest
Feeding
Quality**

**Sold in Sealed
Packages Only**

The L. & B. Royal Red Man-
If planted in a rich sandy loam,
it will yield from 1,500 to 2,000 bush-
els per acre. Individual roots
are large and blood red in color and
ings of this root will give your cat-
tles a sleek, glossy appearance,
will keep them in good health and
fodder. Care should be taken in
the roots, as this hastens decay. To
ter, store in a cool cellar or bury in
cover with a light coating of straw and
Royal Red will thus give your stock a

gel is enormously productive.
that has been well prepared,
els per acre. Individual roots
of good quality. Liberal feed-
tles a sleek, glossy appearance,
stimulate their appetite for dry
harvesting not to break or bruise
preserve Mangels during the win-
pits when the climate is dry and
this with a good covering of soil. The
"royal" good living all winter.

In ½ lb. sealed packages, 25c.; 1 lb. sealed packages, 50c.; 4 1-lb. sealed packages, \$1.50,
prepaid. If wanted by freight, deduct 10c. per pound.

For complete list of Beets see Vegetable Seeds. When ordering seeds ask for a free copy
of Lilly's Crop Book. This book gives full cultural directions for all garden crops and is the
result of the experience of the best gardeners in the Northwest. Remember it tells how to
grow things here—not back East.

Washington Golden Giant Mangel

Lilly's Select Stock Large, Smooth, Rich

This Beet offers to every feeder of sheep, cattle, horses, hogs or milch cows a useful, succulent feed for stock rations, producing a high quality of animal products. It has been found that the benefits of beet feeding results in materi-

ally aiding digestion of dry foods. One of our largest stockmen puts it this way:

"I feed about as much grain and hay with the beets as I did without, but I put cattle on the market in three-fourths of the time." He called the writer's attention, in walking through his feed yards, to the entire absence of grain and other feed in the droppings, showing that the animals were completely digesting what was fed, thus giving greatest economy in feed and keeping the stock in a healthy condition. Any good mangel will act similarly on the animal's system, but few can even approach the Washington Golden Giant in giving the stock such a splendid relish for their feed.

Ask for
Free Copy
of Lilly's
Crop
Book.

Sent
free
with
orders
for
25 cents
or over
of Seeds

The Washington Golden Giant Mangel

Produces a larger crop than any other variety. Farmers who have never tried this Mangel for stock have still to learn of its great value for cattle, both for milk and meat, adding as well to their health and comfort. The Washington Golden Giant produces a root of enormous size, uniform in shape, with a smooth russet skin, growing half its bulk above ground, thus making it easy to lift and gather. The flesh is white, sweet and firm and greedily eaten.

Put up only in sealed packages: $\frac{1}{2}$ lb., 25c.; 1 lb., 50c., postage paid.

For complete list of Beets see Vegetable Seeds.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Crimson Globe Beet

Far Ahead of All the Old Varieties

**Perfect in Form Rich in Color Unequalled
for Flavor**

Lilly's Choice Strain

An excellent variety that has been grown quite extensively in the last few years and has given the best of satisfaction. For a private garden nothing can equal Crimson Globe. It is early, medium size, exceedingly tender and unusually sweet. The striking characteristics of this beet are its uniformity in size, delicious tenderness and freedom from stringy or woody roots. The interior color is deep crimson, ridged or zoned in a most beautiful manner, making it very attractive in appearance.

Price: Pkt., 5c.; 10c.; 5 ozs., 25c.; lb., 50c., prepaid.

With each 25c. order for seeds request a copy of Lilly's Crop Book. It tells how to grow beets in this section.

CROSBY'S EGYPTIAN Beet

This is a specially
selected strain of
Egyptian and

is as early as the
original and excels
it in every other

respect, being larger,
thicker, smoother and
of better quality. It is

a rapid grower and does not become woody with age. Crosby's Egyptian rightfully enjoys a great popularity among our gardeners. In tissue and flavor it is most excellent and your garden is not complete without it. Our seed of this strain is sold only in sealed packages.

Price: Pkt., 5c.; oz., 10c.; 5 ozs., 25c.; lb., 50c. prepaid. Sold in sealed pkgs.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

CRIMSON
GLOBE
BEET

Golden Self-Blanching

CELERY

Lilly's Select Stock

This most popular of all varieties is of French origin. It is without exception the best and most extensively grown Celery in cultivation. The Golden Self-Blanching is of dwarf habit and very stocky; stalks are uniform in height, growing very compactly; color of a majority of stalks and leaves a rich golden yellow. In quality it is unexcelled, being solid, crisp, tender and of rich flavor. Our seed of this variety is a very select strain in which market gardeners can place full confidence. For cultural directions, get a copy of Lilly's Crop Book, sent free with all orders on request.

Pkt., 10c.; oz., 40c.; lb., \$4.00; only in sealed packages.

For Celery Plants see "Plants."

FOR THE LADIES!

Every lady sending us an order for one dollar's worth of seeds or plants will be sent free, if requested, a 25c. packet of Golden Gate Hollyhocks. We do not sell these beautiful plants, retaining them to send our lady customers as an appreciation of their trade.

This is sent in addition to other premiums.

Mr. Lilly says this is not for the men—just for the ladies, little and big.

Lilly's Select Giant Pascal CELERY

In Sealed Packages Only

This is one of the popular varieties for winter use. It is an easily blanching plant, and, outside of the Red Celeries, it is probably the best keeper when properly stored. It is of vigorous, sturdy growth, making thick and heavy stalks and large heavy hearts, all remaining deep green until blanched by earthing up, or by being stored for winter. The stalks, when blanched, are extremely brittle, entirely stringless and very crisp. It is a favorite celery for the private grower. The flavor is surpassingly rich and nutty.

Prices: Pkt., 10c.; oz., 30c.; lb., \$3.00, prepaid.

Lilly's Crop Book gives the experiences and methods of the best celery growers in the Northwest. Free on request with order for 25c. worth seeds.

L. B. & Co.'s Mastodon

CARROT

OUR SELECTED SEED COMES ONLY IN SEALED PACKAGES.

The Carrot For The Stockman The Heaviest Yielder The Easiest to Harvest. The Richest in Flavor.

The value of the carrot is not appreciated as it should be, either for its table qualities or for stock feeding. The carrot has great nutritive properties and is an excellent root for keeping the digestive organs in good, active condition. The larger varieties are especially adapted for stock feeding and every farm should have a fair sized patch in the best strains. Carrots are especially valuable when fed to dairy cows, producing an increased flow of rich milk and making the butter take on an intense golden yellow color. Horses, sheep and hogs also relish a supply of carrots regularly. They are so easily grown and quickly harvested that there is no reason why they should not be more generally

raised. They flourish best in a well enriched sandy soil, deeply tilled. If soil is plowed the fall previous so much the better.

The L. B. & Co.'s Mastodon Carrot is the best variety for the stock raiser to sow. It is far ahead in yield of the old long-rooted varieties and vastly easier to harvest. It attains a diameter of from three to six inches on good land, and a yield of from twenty to twenty-five tons per acre is common. The L. B. & Co.'s Select Mastodon seed is put up only in sealed boxes, at the following prices: 1/4 lb., 25c; 1/2 lb., 50c; 1 lb., \$1.00; 5 lb. box, \$3.75, prepaid. By purchasing our seed in sealed boxes you get reliable seed, that will germinate and that is true to name and type.

L. B. & CO.'S MASTODON
In Sealed Packages.

For Cultural Directions request that a copy of Lilly's Crop Book be included in your shipment. It is free to customers with order amounting to 25 cents.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Golden Half Long Carrot

THE BEST OF THE YELLOW CARROTS

Lilly's Select Stock

This new carrot is justly popular, for while at maturity it is of large size, so that it equals any of the old style carrots in bulk of yield per acre, it is as sweet as the Chantenay, and at all times during its growth is in perfect condition for table use. In color it is a rich golden yellow and is a solid and good keeping sort.

Its root is cylindrical, and grows to a large size, is very smooth, and the flesh very close in texture with very little core, and a small tapering tap-root. It is a first class carrot for all soils, and under good cultivation has often yielded from 25 to 30 tons per acre, with the smallest length of root of any now grown. It is a valuable carrot both for the table and for stock feeding. Lilly's Select Stock is put up only in sealed packages and sold at following prices: **25c, 50 and \$1.00 each, prepaid.**

Golden Half Long
Only in Lilly's Sealed Packages

The Oxheart is one of the most valuable varieties in existence. It will produce roots as early as any other variety, and retains its good qualities throughout the season. Its top is small, but the root is large, heart shaped, often being from four to six inches in diameter. The flesh is deep orange, fine grained and most excellent, for either the table or stock feeding. Being so short the roots can be readily pulled by hand, while the longer sorts require digging.

Lilly's Select Stock is put up in sealed packages at: **Pkt. 5c; Oz. 10c; 1/4 lb. 25c; lb. 75c.**

Get a copy of Lilly's Crop Book, free on request with all orders for 25c. or more of seed. Tells how to grow carrots in our own section—not back east.

Oxheart or Guerande Carrot

Lilly's Select Stock

This variety of carrot has grown into great popularity and is giving satisfaction wherever tried. It does not attain great size, being short and several inches in circumference, but it makes up for size in numerous plants where the longer varieties have comparatively few.

NEW EARLY ALBA CAULIFLOWER

Lilly's Select Stock in Sealed Packages
The White Heading Kind

PUGET SOUND is
 THE ONLY PLACE on the
 American Continent where a
 high grade of
Cauliflower
Seed

Can be Grown
The Early
ALBA is
 the **BEST**
 of all the
 selected
 varieties

Pro-
 most
 perfect
 smooth
 This is the
 gold mine.
 the most
 but to meet
 necessary to have
 the plants thorough

production of choice cauliflower seed will always be laborious, expensive and requiring years of experience, but it is economy for the grower to pay enough for the seed to get the best. Early Alba is grown on the shores of Puget Sound in a climate that is peculiarly adapted to the production of the best quality. The winters are of a uniform temperature, never getting cold enough to entirely check the growth of the mother plants, and at that time when the to entirely check the growth of the mother plants, and at the same time it is never warm enough to start an unhealthy growth at that time when the plants should be kept nearly dormant. Again, during the warm, moist summers, we have the ideal climate for maturing the seed. Cauliflower growers should try the New Early Alba. It is a winner.

duces heads of
 dazzling beauty;
 in form, large,
 and white as snow.
 market gardener's
 It can easily be made
 paying crop on the place,
 with success it is absolutely
 the right seed and then to give
 fertilization and cultivation. The

Price: Pkt., 25c.; oz., \$3.00, prepaid. Sold in sealed packages.

For Complete List of CAULIFLOWER See Vegetable Seeds
See Also Vegetable Plants

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Metropolitan SWEET CORN

**The Earliest, Sweetest,
Largest and Best**

LILLY'S SELECT STOCK.

For the Pacific Northwest there is no sweet corn that has proven itself a greater favorite and deserving of more general use than the Early Metropolitan. It is the best, the very best, sweet corn for the Northwest; it is early as the Red Cory and the ears are large as Stowell's Evergreen. This corn was listed last year for the first time on the Coast, and the way it went to the hearts of the lovers of good sweet corn was a caution. Every one who tried it is loud in its praises and will put in another and a larger crop this season. The Metropolitan Sweet Corn combines more good qualities than any other early corn, and growers who have planted it during the past season by the side of Early Minnesota, Early Cory and other extra early varieties say it not only excelled them in yield, but was ready for the market a week or ten days earlier.

You all know how hard it is to successfully grow and mature a good crop of corn in the Pacific Northwest, where climatic conditions are not so favorable for corn as in the middle states. We have given the subject a great deal of study and have experimented with various strains of seed until today we are satisfied the early Metropolitan Sweet Corn is the kind to grow on the North Pacific Coast.

Lilly's Select Stock of Metropolitan Sweet Corn is especially adapted to the Puget Sound Country, and is the corn for the early market. Try it this season and you will be more than pleased. The ears are large and well formed and the kernels plump and deliciously sweet.

Price: Pkt., 10c.; lb., 25c., prepaid. At purchaser's expense, lb., 15c.; 10 lbs., \$1.20. Lilly's Select Stock is put up in Sealed Packages and sold in that shape.

Freewater, Ore., Dec. 13, 1904.

Chas. H. Lilly Co., Seattle.

Dear Sirs:—The Metropolitan Sweet Corn was fine—nearly equal to the Late Evergreen and it came early.

Yours truly,

F. L. PHELPS.

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LILLY'S CHOICE

Early Jersey Wakefield Cabbage

To be had only in Sealed Packages. Grown on Puget Sound—Specially Adapted to the Northwest.

The Early Jersey Wakefield Cabbage has for a long time been the leading Extra Early Cabbage, and is the most popular for both private and market gardener's use. It is more largely grown than all other first early varieties, and can always be depended upon for its earliness and sure crop. In short, it is the best first crop. **Lilly's Selected Stock** is carefully grown and selected by the most expert of grow-

ers. The climate of Puget Sound is peculiarly adapted to the growing of superb cabbages and the seed is of a superior quality. Users of our seed write us from all sections of the United States, that Puget Sound seeds produce Cabbages that head early and hard. The heads of Early Jersey Wakefield are conical in shape, solid and heavy, with thick heavy outer leaves.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00, postpaid. Sold in sealed packages.

All Seasons Cabbage

LILLY'S SELECT STOCK

An excellent variety, sure heading and long keeping. As its name indicates, it can be planted early or late. It would be classed as a second early variety, but whether for medium early, main crop or late use, it is unsurpassed by any other sort. The gardeners in the neighborhood of all large cities have used it for years for their main crop, and there is no doubt that it will remain the standard for years to come. It is one of the very finest cabbages in existence today, and is absolutely true to its type under all conditions. Every one who has grown it is enthusiastic over it. Our seed is especially grown and selected for us, and sold in sealed packages.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00, postpaid. Sold in sealed packages. For other varieties of Cabbage, see Vegetable Seed List, also Vegetable Plants.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

LILLY'S GLORY CABBAGE.

**A Fine New Strain, Especially
Adapted to Puget Sound.**

This is a remarkable new variety. It is as hard as Danish Ball Head and matures in midseason. The heads are considerably larger in size than Danish Ball Head, very round and very solid. We grew this variety in our experimental plots the past season, and found it to be excellently adapted to the climate and conditions of the Puget Sound country. As an ideal early

cabbage we believe it is destined to be the most popular variety in our section. In quality it is most excellent, tender and crisp. We exercised the greatest care in selecting this variety and have a Cabbage we can offer with the fullest confidence. We advise all our customers to try this Cabbage.

Price: Pkt., 10c.; oz., 35c.; lb. \$3.50. Sold only in sealed packages.

Danish Ball Head Cabbage

**LILLY'S
SELECT STOCK**

Of the many varieties of Cabbage introduced within the past fifteen years none has attained to so great popularity, or given such general satisfaction as Improved Danish Ball Head. It is remarkable for the solidity of its heads and its long keeping qualities. The heads

are of medium size, with few outer leaves, admitting of close planting; exceedingly fine grained, hardest of all, tender, crisp, solid, with no waste heart. Will average 6 lbs. per head. For boiling, slaw or sauerkraut, etc., it is unsurpassed. It grows well in almost any kind of soil, withstands hot weather and does not rot from the effects of wet seasons. The heads do not burst.

The grower who is raising Cabbage for the market will never miss it by planting

Danish Ball Head. It is satisfactory for the family garden or can be left standing in the ground until very late in the season—longer than any other variety. In some sections the Danish Ball Head will keep perfectly in the ground all winter. This strain is sold only in sealed packages.

Pkt., 5c.; oz., 25c.; 1/4-lb., 85c.; lb., \$2.50, prepaid.

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LILLY'S COOL AND CRISP CUCUMBER

(CHOICEST SEED IN SEALED PACKAGES.)

An extra early, exceedingly prolific and continuous bearing variety especially valuable as a pickling cucumber, the color being that rich black-green so much sought after, while the shape and size are perfection for pickling. At the same time the Cool and Crisp Cucumber is a particularly

fine variety for slicing, the fruit attaining good size and being unusually crisp and tender. When young it is long, even and slim, with prominent knobs. Lilly's Selected Stock of the Cool and Crisp variety is especially adapted to the Northwest and should be planted by all who desire large symmetrical cucumbers. Sold only in sealed packages.

Prices: Pkts., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

White Spine Improved Cucumber

Lilly's Select Stock

This is a grand improvement in the White Spine family. It is an early, prolific and continuous producer of uniformity large and symmetrical fruits, which are of an intensely rich, deep green color, very slightly marked with faint yellowish shading towards the tip. It runs very close to its type, bearing practically no misshapen fruits or culls. It is the ideal for slicing, the flesh being compact, fine grained, sparkling white and of a most delightful flavor. The vines are vigorous, healthy and proof against mildew. They maintain their fresh luxuriance and bearing from the earliest to the latest season. Either for the home garden or for the market there is no cucumber that can show itself the peer of the White Spine Improved.

Lilly's Select Strain of the White Spine cucumber is especially adapted to the Pacific Northwest, only the best specimens of thoroughly ripe cucumbers being used for furnishing seed.

Prices: Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50, prepaid. Only sold in sealed packages.

PREMIUM FOR THE LADIES

Every lady sending us an order for one dollar's worth of seeds or plants, will be sent free, if requested, a 25c packet of Golden Gate Hollyhocks. These are not for sale, but are retained to send our lady customers as an appreciation of their trade. This is sent in addition to other premiums. Mr Lilly says this is not for the men—only for the ladies, little and big.

Lilly's New Lettuce **IMMENSITY**

The largest of all Head Lettuce. A rapid and luxuriant grower, and as a consequence exceedingly sweet, tender and crisp. The plants will often grow to be four or five feet in circumference, yet the heads retain their crispness and are very solid. This is a very popular variety with gardeners, as well as in the family

garden. It withstands the summer heat and remains a long while in the head.

Price: Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50. Sold in sealed packages.

Early Curled

SIMPSON

LILLY'S SELECT STOCK

A most desirable variety for planting in cold frames, and one of the greatest favorites for out-of-door culture. The plants form large, loose heads; light green in color.

Sold only in sealed packages.
Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

Lilly's Choice **COS LETTUCE ALASKA**

The Cos Lettuce have many characteristics that endear them to those who desire a richly flavored Lettuce for home use. The Alaska Cos makes a solid head that is crisp and tender and thrives during hot weather. In order to obtain the utmost perfection the outside leaves should be gathered together and tied at the top, thus forming solid heads that bleach pure white. The head shown in the accompanying illustration was not tied.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ -lb., 30c.; lb. \$1.50. Sold only in sealed Pkgs.

For full list of Lettuce see Vegetable Seeds.

EMERALD ISLE KALE

(BORECOLE)

**Lilly's Select
Stock**

Kale, Borecole and German Greens are general terms applied to those classes of cabbage which do not form heads, but furnish an abundance of pretty curled leaves that are both very ornamental and highly prized as food. Some of the varieties are the most tender of the Cabbage family and would be more extensively grown if their excellent qualities were more generally known.

The Emerald Isle Kale is a new and quite distinct variety of Green Curled Winter Kale, or Borecole, and is proving exceedingly popular. It grows to a medium height, and has large leaves very closely curled in a most attractive manner, thus making it a favorite for "greens" in the fall and winter. The color is the richest possible emerald green, which makes the Emerald Isle the most handsome kale in existence. It is a splendid plant, both for exhibition purposes and for practical use.

Pkt., 5c.; oz., 10c.;
¼-lb., 30c.; lb., \$1.00,
prepaid; only in sealed
packages.

Lilly's Select
English Milltrack

MUSHROOM

The demand for Mushroom is on the increase and there is good profit in growing it for market. It does not require any more care than the ordinary crop except in the preparation of the bed. Mushrooms are grown from spawn, of which there are two classes—English and French. There is an important difference between the two. The French spawn require just the right kind of a bed to grow, while the English, after starting a little, will often remain in a comparatively dormant state for a long time without losing its vitality. There is also a great diversity in the quality of spawn. Propagated continuously without regard to the vitality of the spawn, it deteriorates. The choice fresh importations of English Spawn sold by us is the best procurable and known to retain its vitality. It comes in compressed tablets, to be split into a number of portions and planted.

Prices: English, Bricks of 1¼ lb. at 20c. per lb. Add 10c. per lb. for postage.

Lilly's Crop Book
tells all about Mush-
room Growing.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

**WASHINGTON
GROWN....
SEEDS.**

Yellow Globe Danvers

**HEAVY CROPPER
SPLENDID KEEPER**

This Onion, which is so deservedly popular, is a distinct strain, rather flatter in shape than the Ohio and Michigan Yellow Globe, and does not have their tendency to produce thick necks. This is the variety grown for exportation to Alaska. Their good keeping and shipping qualities making them very popular for this trade. No one can afford to experiment with doubtful seed; it is far cheaper to get our Northern Grown seed, which will produce a heavy crop that will all ripen down at one time. **Pkt. 5c.; oz., 15c.; ¼ lb. 40c.; 1 lb., \$1.10, prepaid, Sold only in sealed packages.**

LARGE RED WETHERSFIELD ONION

This is the Standard Red variety and a favorite Onion in the East, where immense crops are grown for shipment; large; skin deep purplish red; form, round, somewhat flattened; flesh purplish white; moderately fine grained, and stronger flavored than any of the other kinds. Very productive, the best keeper and one of the most popular for general cultivation. It is more inclined to form large necks, if planted on unsuitable soil, than the Danvers, but it is the best variety on poor or dry soils.

Pkts., 5c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.10. Sold only in sealed packages.

YELLOW GLOBE DANVERS

BROWN Australian

EXTRA EARLY.

Medium size, wonderfully hard and solid and most attractive for market, both as to form and appearance. They are extremely early in ripening, and never make any stiff-necks or scallions. Every seed seems to produce a good-sized Onion, and the bulb begins to form very quickly when the plant is not over three inches high. Planted with the Red Wethersfield it proved to be nearly four weeks earlier and ripened more uniformly. It will keep longer in good condition than any other Onion known. The color of the skin is a clear amber-brown.

Pkts., 5c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.10, postpaid. By express, 1 lb., 90c.; 5 lbs., \$4.00.

N I O N S E T S

The accompanying photograph is of a bunch of young Onions grown from our hardy, handsome Northern Grown Onion Sets. These sets should be grown in every garden. They will produce the earliest green Onions, as well as ripening the bulbs very much earlier than if grown from seed.

Qt., 25c., prepaid. Peck, \$1.00; bu., \$3.00, at purchaser's expense for transportation. See also plants.

Prize Taker Onion

LILLY'S SELECT STOCK

Genuine seed of this variety produces handsome, large, Yellow Globe Onions. Our seed we have specially grown for us. Our American Grown Seed produces bulbs enormous in size, and the yield per acre is larger than that of any other variety. While not so good a keeper as our Yellow Danvers, it is a valuable sort for immediate or early fall use. The skin is of a rich yellow straw-color; flesh white. Sweet, mild and tender. Very attractive when crated, as generally sold. Early

Sold only in sealed packages. $\frac{1}{4}$ oz., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.40.

NEW WHITE QUEEN ONION

LILLY'S SELECT STOCK

This is an extra early, very small, round, hard and handsome variety. The color is a beautiful waxy white, flavor mild and delicate. It is the Onion used in all famous pickle factories in our own country. A favorite for the home garden as bulbs grown from seed sown will mature as early

as those raised from the ordinary Onion sets.

For Cultural directions ask for Lilly's Crop Book, sent free with 25c orders. See also plants

Sold only in sealed packages. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Full list of Onions is given in Vegetable Seed list.

LILLY'S SELECT STOCK.

Thos. LAXTON

Extra Early Pea

The Thos. Laxton is almost identical in growth with the now famous Gradus. It is from the same originator, and is claimed by experts to outrank the Gradus in every point of excellence which that pea possesses. The Thos. Laxton is of stronger constitution, more hardy, of darker, richer green, and, better than all else, it is a more generous bearer. The pods are large and handsome, and packed full with seven or eight large, wrinkled peas that are of most delicious flavor. To those who have grown Gradus we need only to say that Thos. Laxton is the same, only better; and those who have grown only the smooth, hard shell Extra Earlies should lose no time in trying the Thos. Laxton. Its delicious flavor and extreme earliness will be an agreeable surprise. Our original stock came direct from England, and during the time it has been grown under perfect conditions in the Puget Sound country, it has lost none of its original worth, but, if anything, has been perfected and adapted to the North American climate. G. W. Herndon, of Ferndale, says that he has Thos. Laxton peas of our stock ready for the table 40 days from planting.

Sold in sealed packages. Per pkt., 10c.; 8 ozs., 20c.; 1 lb., 30c., postpaid. By express, at purchaser's expense, lb., 20c.; 10 lbs., \$1.60; 100 lbs., \$14.00.

Lilly's Improved TELEPHONE PEA

Choicest Stock in Sealed Packages

In our Improved Telephone we have one of the very best of the late varieties. It is a strong grower and a generous yielder. The great popularity of this Pea is deserved, as the pods are well filled with peas of an acceptable flavor, making a fine appearance. The Tall Telephone grows to a height of about three and one-half feet. The vines are rather large and coarse, with pods light green in color. When ordering seed ask for a free copy of Lilly's Crop Book.

Pkt., 10c.; lb., 25c.; postage paid. By express, at purchaser's expense, lb., 15c., 10 lbs., \$1.20; 100 lbs., \$9.00.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

New Pea **MT. RAINIER**

LILLY'S SELECT STOCK.

The Wonderful **NEW PEA**

Second Early

*Astonishing in Yield
Handsome in
Appearance*

This most magnificent Pea is a product of Washington, and is the result of years of careful selection. It is a Second Early, two and one-half feet in height and of the most astounding productiveness; pods are of a rich, deep green color, well filled with large peas of fine color and quality. It is the best market Pea we have grown. We may seem to get a bit enthusiastic over the quality of this Pea, but the Mt. Rainier has been such a decided success that we would like

every grower who grows peas for the market to give it a trial.

Put up only in 25c., 50c. and \$1.00 sealed packages.

For full list of Peas, see Vegetable Seeds.

Nott's Excelsior

LILLY'S SELECT STOCK in Sealed Packages

This Pea well deserves the great popularity which it now enjoys. It is a dwarf Pea about fourteen inches in height, resembling in habit Premium Gem, but more dwarf and uniform in growth. Nott's Excelsior is early, productive, and in all ways a desirable Pea, being possessed of a delicate flavor and tender quality. It is a great favorite with market gardeners and in their estimation is superseding many of the older varieties.

Sold only in
Sealed packages.

Pkt., 10c.; lb., 25c., prepaid.
By express, at purchaser's
expense, lb., 15c.; 10 lbs.,
\$1.25; 100 lbs., \$11.00.

WASHINGTON Wonder...

LILLY'S SELECT STOCK.

In this new Pea we are offering something that we know will be appreciated by all. It is an ideal Extra Early Dwarf Wrinkled Pea about fifteen inches high. It is a superior Pea to both American Wonder and Premium Gem, being earlier and much more productive. It is far more desirable, being a Pea of delicious flavor and having larger pods, well filled with most excellent Peas. We cannot recommend this too highly for those who want an extra early wrinkled variety.

Put up in 10c., 50c.,
and \$1.00 sealed pack-
ages, sent prepaid.

AMERICAN WONDER PEAS

LILLY'S SELECT STOCK

An old-time favorite, growing about fourteen inches in height; produces a large number of small, well-filled pods. The pea is plump and meaty and its flavor is very sweet and delicious. It is very desirable for private gardeners, having a most delicate flavor, and its extreme earliness makes it a general favorite. The pea when dried, is of a pale green color and wrinkled, making it a most attractive pea.

Pkt., 10c.; lb., 25c., prepaid. By express, at purchaser's expense, lb. 15c.; 10 lbs., \$1.30; 100 lbs., \$10.00

When you send an order for 25c worth, or more, of seed, ask for free copy of Lilly's Crop Book. It tells you fully how to successfully grow Peas in the Pacific Northwest.

GRADUS OR PROSPERITY

Lilly's Select Stock

The Most Sensational Extra Early Pea on the Market

Sweetest, Tenderest, and Most Delicious

Ever since the Gradus was first introduced into this country it has been considered a top-notch where ever grown. The vines are of hardy and vigorous habit, making a splendid and steady growth from the start. The pods form early, mature rapidly, and are ready for market as soon as the hard shell sorts. If this were all it is enough to make the Gradus popular, but the best part is yet to come. When the Gradus is ready for the market you have a large pod filled with seven to nine wrinkled marrow peas of immense size and of the most delicious flavor. The Gradus will always demand a premium, as they can be

put on the market at the same time as the Alaska, which is the earliest blue seeded pea known to the trade. The fancy trade will gladly pay two or three times as much for a pea with the delicate flavor of the Gradus at a time when Peas are just coming in and are a luxury. The pods are pale green in color, long and nearly straight. Our photo on this page does not do them justice. Vines are about three feet in height. The seed of the Gradus has always been scarce since it was first on the market, and we invariably run out before the season is over. Therefore you should get your seed early.

Sold only in sealed packages:
Pkt., 15c.; 8 oz., 25c.; lb., 40c., postpaid. By ex-

press or freight, at purchaser's expense, 1 lb., 30c.; 10 lbs., \$2.50; 100 lbs., \$20.00

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Lilly's Choice **ROCKY FORD MUSKMELON**

THE BEST MELON FOR MARKET OR TABLE

The great popularity of this Melon is justified by its delicious flavor, its fine appearance and its great productiveness. In all the great city markets Rocky Ford Melons bring a fancy price, and while they are to be had no other Melon can be sold. It is medium in size, with a rich, greenish gold skin and thickly netted. The flesh is very deep, ripening clear to the rind, and it has an exceedingly small seed cavity. This is the melon grown exclusively by the growers around Yakima and Toppenish, and they find ready markets in Montana, Oregon, Alaska, etc.

Lilly's Selected Stock is grown especially for us at Rocky Ford, Colorado. The grower selects only perfectly netted melons of even size, 45 to the crate. Our grower has for years been in the business of growing Rocky Ford Melons for seed, and has each year made the most careful selection of the best specimens. As a result, Lilly's Choice Selected Seed stands far ahead of any other strain.

The Melons are heavier and more closely netted, and there are fewer culls, while the eating quality is the finest.

This seed is put up in Sealed Packages and we do not break packages. Price: Pkt. 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.10. By express: Lb., \$1.00; 10 lbs., \$8.50. For common stock see list of Vegetable Seeds.

BURRELL'S THOROUGHbred ROCKY FORD MUSKMELON

Stock Seed. From the earliest melons of perfect size, weight and netting; flesh deep green and fine grained. It takes a crate of melons to make one pound of seed, and at the time the Stock Seed is selected the melons are worth nearly as much as seed. Guaranteed to be grown at Rocky Ford by one of the foremost growers. Price: Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

FLORIDA FAVORITE WATERMELON—Lilly's Select Stock

For the melon shipper we recommend the Florida Favorite, as it is an excellent shipping melon. It is a splendid oblong melon, excellently suited to the Northwestern states, and extremely early. In size it is very large and its flavor is fine. The flesh is deep red and the rind very firm. The seed we offer is choice selected stock, and sold only in sealed packages. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.00 prepaid.

COLE'S EARLY WATERMELON—Lilly's Select Stock

This is a choice strain of Watermelon for the family garden. It is not recommended for the shipper, as it does not stand shipping so well as many other varieties, but it is a most delicious melon for home consumption. It is extremely early and bears throughout the season. The flesh is a bright red, crisp and of delicate texture. It does not attain great size, but this is made up in numbers and solidity. The heart is large; there is a small cavity and the seeds are few. Our Select Seed is sold only in sealed packages. Prices: Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.00 prepaid.

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TRUE SEED POTATOES

The best Seed Potatoes cannot be raised in the way in which eating stock is ordinarily grown. The planting must be later than is usual for eating stock, so that the tubers do not mature until cool weather in the fall. Such potatoes keep in a much sounder and healthier condition than those from seed planted earlier. All our Seed Potatoes are raised under our own direction and our growers take the greatest pains to have them the best potatoes grown and true to name. When they reach our warehouses they are carefully stored until needed. It is advisable for our customers, in order to be sure of getting their particular variety, to send in orders early. We will file them and make the shipments as soon as the weather permits, thus insuring the receipt by the customer of Seed Potatoes in the best of condition for planting and at the right time. It should be remembered also that all our Potatoes are free from scab and other diseases, and that they are selected with the greatest care to get the best. It is impossible to secure such choice stock on the open market. Nor is it advisable to use your own seed from year to year. The quality of such seed deteriorates very rapidly. A change of seed results in a better, healthier and larger crop.

UNCLE SAM

LILLY'S SELECT STOCK.

The Most Popular

Main Crop Potato

In the Northwest

Our stock has been selected from year to year, and we are now offering you in Uncle Sam a Potato better than you ever tasted. It produces an even lot of tubers, which are smooth, white and splendid keepers. They are good eating (white and mealy) long after new Potatoes come in.

Peck, 75c.; bu., \$2.25; bbl. of 165 lbs., \$4.50, by express or freight, at purchaser's expense.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

BURPEE'S EXTRA EARLY POTATO

Wonderfully Productive and Very Early

This is a grand potato—a quick maturing and extremely early variety of best keeping quality and rare productiveness. The quality is such that in popularity and desirability there is no peer to Burpee's Extra Early. Beyond all doubt this is the best variety to grow for Alaska shipment. It is wonderfully productive and under ordinary care will often yield much better than other varieties that have a reputation as big yielders. The vine is a vigorous, healthy grower, and roots deeply, resisting drought well. But this does not imply that Burpee's Extra Early Potato will do well in any kind of soil any more than will other varieties. A clay or heavy soil is not to be selected for its cultivation—a loam or sandy soil is preferable. Its tubers set compactly in the hill and will mature an immense crop, producing no small, undesirable tubers and few seconds.

Burpee's Extra Early is a fine cooking potato, and should be on every table where quality is appreciated. Its handsome, clear white floury appearance attracts attention. The tubers are somewhat elongated, with fine white-russet skin and eyes not very prominent. It is especially valuable because it is as early as the Bovee or Early Rose, yet has a white skin.

Prices: Pk. 75c; bu., \$2.25; bbl. of 165 lbs., \$4.50; ton, \$60.

BOVEE POTATO

*The Very Best
Early Variety*

LILLY'S SELECT STOCK.

Earlier than Early Maine, Triumph or Early Rose. Bigger yielder than Pingree, Sunrise or any of the Extra Early varieties, and, better than all else, it

is perfect in shape and a marvel in quality—white, dry and mealy. We obtained our stock seed from the originator, Peter Henderson of New York. We had the original stock planted under our direct supervision. We have taken great care to keep it true to name. We have only a limited supply and ask that our customers send in orders early. We will set aside enough to fill all early orders and ship when weather will permit or at any time our customers may instruct. Bovee will give a larger and earlier crop than any other Potato on the market today. The tubers are uniform in size, being neither too large nor too small, and on account of their handsome appearance will bring higher price on the market than any other early variety. Do not plant the Bovee on poor soil, as it sets so freely the tubers are apt to be small, but when planted on good potato land, well cultivated, no other Early Potato can touch it.

Price: Peck, 75c.; bu., \$2.00; bbl. of 165 lbs., \$4.00, by express or freight, at purchasers' expense.

XTRA EARLY OHIO

LILLY'S SELECT STOCK.

This variety is so well known that it needs no description. The great trouble has always been to get true stock. Many thousands of barrels of seed Potatoes are annually sold by commission dealers under spurious names. This is done probably not so much through dishonesty as through ignorance. It is our business to know what we are selling, and we make it a point to live up to our privileges. When you go outside your own field to buy seed Potatoes you expect to improve your stock. Then try our Early Ohios and we are sure you, like the others, will find them satisfactory.

Price: Pk., 75c.; Bu., \$2.25; bbls. of 165 lbs. net, \$4.00, by express or freight, purchasers' expense.

Twenty-five pounds of any variety Potatoes, by express, paid, to any railway point in Washington or Oregon, \$2.00. Write for special prices on larger lots.

Forcing Giant Crimson Radish

LILLY'S SELECT STOCK.

This Radish is an entirely new type, and differs radically from all the varieties hitherto in cultivation. Its roots attain more than double the size of those of other forcing varieties, without getting pithy or hollow. Such sorts as Non Plus Ultra or Scarlet Globe measure two to three inches in circumference and weigh one quarter ounce; once passed this size they are unfit for use. The new Giant Crimson Radish, however, develops roots six to seven inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp and of the mildest flavor, but notwithstanding the extraordinary size and weight of its bulbs it is second to none as a forcing variety. The Crimson Giant varies a little as to form, some of the roots being round and others inclining to oval, but its beautiful deep crimson color is quite constant. The accompanying illustration shows an average specimen, but bulbs almost double the size of the one represented and still retaining their firmness and tenderness of flesh, are by no means rare. In this particular the Crimson Giant Forcing differs from an ordinary Radish. We can recommend this new variety as an article of undoubted excellence. It is certain to take a leading place among the standard varieties of Radish, both for the market and private garden. **Price: Pkt., 10c.; oz., 20c.; ¼-lb., 40c.; lb., \$1.00.** Sold only in sealed packages.

LILLY'S WHITE TIP SCARLET TORNIP

RADISH

The great popularity of this Radish is due to the rapidity with which it makes its growth. With favorable conditions it is ready for market in twenty-five days from planting, and when ready for the table is easily the handsomest of all radishes. It is always in good demand by the most critical grocery and

hotel trade. Our stock is carefully selected. We have it grown by the most careful grower we could find and pay him an extra figure to enable him to carefully select the roots before planting.

Price: Pkt., 5c; oz., 10c.; ¼ lb., 20c.; lb., 60c.

LILLY'S CHOICE STRAIN

Early Summer Crookneck

One of the most delicious early garden vegetables. It is productive, is ready for the table before any other variety and should be grown in every garden. It is a healthy, compact grower, of the bush variety; surface yellow and deeply warted. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c., prepaid.

Long Island White Bush Squash

IN LILLY'S SEALED PACKAGES

Easily the best of the scalloped varieties; sometimes called "Pattypan" or "Cymling." The vine is of the bush variety, allowing them to be planted close together. The fruits are a creamy white, deep, prolific and with less prominent scallops than on any of the old sorts; it contains a large amount of flesh of the most delicious flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Large Warted Hubbard Squash

These popular favorites are to-day the very best winter squash grown. The flesh is fine grained and very dry and of a most excellent flavor. For the last three or four years the seed crop has been nearly a total failure and high prices have prevailed.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 85c.

Lilly's Golden Hubbard

This is a true Hubbard Squash except in color, which is a bright orange. It is of fine flavor, heavily warted and very attractive in appearance.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

When you send an order for 25c worth or more of Seeds ask for free copy of Lilly's Crop Book.

LILLY'S DELICATA SQUASH

THE SPECKLED BEAUTY

For Both Summer and Winter Use. Dry, Sweet and Rich,
and Very Prolific.

A generous bearer and especially useful in the Puget Sound country, where it is so hard to ripen the winter squash. The Delicata ripens at a much earlier date and can be used either green or hard. It has a most delicious flavor, fine grain and is very sweet: seed fruits are very solid and heavy; seed cavities small. The surface color is orange, splashed with green. It is the earliest of any

vine squash, maturing but a few days later than the summer varieties, and those who have grown this squash have no hesitancy in saying it will largely supplant the latter class by reason of its fine quality. Being a good keeper it will keep well through the winter when properly stored.

Sold in sealed packages only, at 5c. pkt.; 10c., oz.; 25c., $\frac{1}{4}$ lb.; 75c., lb.

CONNECTICUT FIELD PUMPKIN

Lilly's Select Stock

The most popular pumpkin throughout the country by reason of its large size and good qualities, both as a pie pumpkin and for stock feeding. It is also a favorite for the canner. It is immensely productive and grows to a large size. The vines are strong and vigorous and the pumpkins very hardy. The shape is generally round, but there are also some specimens that are somewhat elongated or flattened. The rind is a deep glossy yellow. For an all-around pumpkin that meets every requirement, the Connecticut Field (often called the Large Yellow) is the one to plant. Our seed is especially grown for us and carefully selected. It is put up in Sealed Packages only, bearing our name. Insist on having Lilly's Select Stock in the original package. Prices: Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., lb., 35c., postpaid.

A NEW TOMATO

.. The ..

Puget Sound Special

We offer this year for the first time a Tomato that excels anything we have ever seen. We have named it the "Puget Sound Special," because it is peculiarly adapted to that region west of the Cascade Mountains. We do not mean that it is not a good tomato in other sections, as it grows to perfection in the Yakima, Wenatchee, Hood River and other semi-arid portions of the Northwest. The vine is of stocky growth, having a tendency to grow in the shape of a tree. This keeps the fruit up off the ground, and as the leaves are few and small the sunshine has a chance to penetrate, thus ripening the fruit early and giving it a high color.

As will be seen by the photograph on this page, the Puget Sound Special Tomato is a heavy yielder of handsome, smooth fruit. They are bright red in color and very uniform in size.

Remember these points about the "Puget Sound Special":

(1) It is a heavy yielder; (2) It will grow to maturity in Western Washington and Oregon, where the old-fashioned varieties would not ripen; (3) It is a good color; (4) It is a hearty, healthy grower; (5) It is smooth; (6) It is uniform in size; (7) It is solid as beefsteak; (8) It is absolutely the best tomato for the Northwest; (9) It is sold only in sealed packages at following prices:

Pkt., 10c.; oz., 60c.; lb., \$6.00, prepaid.

LILLY'S EARLIANA,**The Earliest and Best Large Smooth Tomato.**

Our experience with this new and most valuable tomato confirms all that has been claimed for it. Market gardeners in this vicinity are enthusiastic in its praise, and grow it for early market in preference to other varieties. It is a full week ahead of others. The plant is of strong and vigorous growth, setting its fruit freely and in great abundance. The fruit is not only remarkable for its earliness, but for its large size, perfect form, bright red color, and delicious flavor. It ripens clear to the stem, and does not crack. Its solidity and fine quality are quite equal to the best medium and late sorts.

Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00. Sold only in sealed packages.

Bogardus' Ponderosa Tomato

Is in every way splendid. It excels in magnificent size, often attaining a circumference of 18 inches, often weighing 2, 3 and 4 pounds each, perfect in form, free from wrinkles and fissures, as smooth as glass and as solid and meaty as beefsteak, free from watery cavities and almost seedless: it ripens thoroughly from center to skin, its growing crimson color permeating the flesh to the heart; it is free from rot, but, above all, the delicious quality and flavor are its crowning merits—toothsome and rich when sliced, savory and delicious when canned, very little boiling required for it to thicken. The plants are luxuriant, healthy growers, independent of droughts, free from blight, and are prodigious, early and continuous bearers.

Sold in sealed packages. Price: Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

EXTRA EARLY White Milan Turnip

LILLY'S SELECT STOCK.

The earliest of all Early Turnips; it also has the advantage of remaining in good condition for a long period. It is fine grained, of good flavor and ivory white in color. This makes it very attractive. This and the Purple Top Milan are undoubtedly the best for market gardeners.

Sold only in sealed packages. Price: pkt., 5c.; oz., 10c.; 1/4-lb., 25c.; lb., 75c.

Free Copy of our New Crop Book on request with 25 cts. worth of Seeds.

Lilly's Purple Top Strap Leaved

SOLD ONLY IN SEALED PACKAGES

THE MOST POPULAR FIELD TURNIP

This is the Turnip sown in the fall, especially for stock. While recommended by some for the table use, yet it is inferior in flavor and unless used while very young it gets tasteless. It is very hardy, a prodigious yielder and when planted on rich soil will produce roots of an enormous size, as the accompanying cut will show. These turnips measured 8 to 10 inches in diameter and were pulled from a patch that contained hundreds of just such specimens.

Sold only in sealed Packages. Pkt., 5c.; oz., 10c.; lb., 50c.

Lilly's Select Early Snowball

ONLY IN SEALED PACKAGES

A perfect globe-shaped, white-skinned Turnip, of medium size and excellent flavor. For early sowing this is one of the best, being crisp and tender, and maturing in six weeks from the time of sowing. It was new last year and many of our customers made a trial of it. They found it so much superior to other varieties that they are coming back for more seed. It filled every claim made for it, and is the very best turnip for table use, that we have run across.

Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

COMPLETE LIST

ARTICHOKES:

ARTICHOKE ROOTS—(See Plants.)

Columbia Mammoth White. (See special description and prices on page 2.)

Colossal. A standard variety; large, productive and of fine quality...
Palmetto. Early, prolific and of uniformly large size.

ASPARAGUS ROOTS—(See plants.)

BEANS—(1 quart to 100 feet of drill; 1 bushel per acre in drills.)

(Our prices on Beans in packets include postage; add 10c. per lb. on 1 pound or over if wanted by mail.)

Dwarf or Bush Green Podded Varieties:

meaty pods...

Early Mohawk. Very early and largely grown south for northern markets; will stand more cold than most sorts; 5 to 6 inch pods.....

Horticultural Dwarf. A bush variety of the popular Climbing Horticultural; a fine shell bean.

New Longfellow. (See special description and prices on page 4) ...
Long Yellow Six Weeks. Early, productive and of excellent quality.

Long yellow SIX weeks. Early, productive, and of excellent quality; pods often 8 inches long; a popular variety.

Refugee, or 1000 to 1. A popular medium to late variety; very productive and extensively grown for pickling; handsome pods and tender.

Refugee Extra Early. Similar to above but nearly 2 weeks earlier.

Burpee's Stringless. (See special description.)
Dwarf Wax Podded or "Butter" Varieties:

Golden Jersey Wax. (See special description and prices on page 3.)

Davis Wax. An immensely productive bean, both green and as a dry bean for cooking.

Wardwell's Kidney Wax. One of the best large podded wax beans very robust and hardy producing a heavy crop of sherry large long

very robust and hardy, producing a heavy crop of snowy, large, long flat pods; not liable to rust or blister.

Climbing or Pole Varieties:
 Lazy Wife (See spec.)

Kentucky Wonder. An old time and grand favorite, second only to

Indian Chief or Tall Black Wax. Our improved stock of this popular

Dutch Case Knife. A good Bean, but not a very vigorous grower...

Scarlet Runner. For ornamental and culinary purposes; about 10 ft. high; large scarlet flowers, followed by large green podded beans...

Lima Varieties: King of the

King of the Garden or Large White Lima. An old favorite, producing a large quantity of delicious Beans. Not quite so hardy and consequently not so well adapted to the Northwest as Sioux.

Small Sieva or Henderson's. A small seedling Lima that is very early and more hardy than any other variety.

Burpee's Bush Lima. (See special description and prices on page 4)

Dreer's Bush Lima. A bush variety of the Dreer Lima; beans are thick, sweet and succulent, growing close together in the pod; make a vineless growth about 12 inches high.

a vigorous growth, about 18 inches high, with abundant foliage....

BEETS—(1 oz. to 50 feet of drill: 5 lbs. per acre.)

Market Gardeners should write for prices on large quantities.

Table Varieties:

Crimson Globe. (See special description and prices on page 7)...

Early Blood Turnip. A standard variety, following Eclipse in earliness; quality excellent; color deep blood red; the tops make excellent

Eclipse Extremely early; of uniform globular form; glossy red; fleshiness, quality excellent, color deep blood red, the tops make excellent "greens."

Early Egyptian. A standard extra early sort, being 10 to 12 days

Early Egyptian. A standard extra early sort, being 10 to 12 days earlier than the old Blood Turnip. The roots are round and flattened, of good size and deep crimson in color; tops unusually small.

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PRICES			
Delivered	Free In	U. S.	
(Except	Otherwise	Noted)	
Pkt.	Oz.	¼ lb.	Lb.

BEETS, Continued:**Table Varieties:**

Half Long. A blood beet of superior quality; tender, sweet and free from woody fibre; for slicing it is unequaled; flesh of vivid rich red color; the bulbs, about three inches in diameter, are pear-shaped with slender tap root.....	.05	.10	.20	.50
Long Smooth Blood Red. An excellent late variety, being a great improvement on the common Long Blood and of intense dark red color.....	.05	.10	.20	.50
Swiss Chard. Grown exclusively for the foliage, which, cooked, makes most delicious "green," or the midrib may be served like Asparagus.	.05	.10	.20	.50

Sugar Varieties:

French White Sugar. One of the best sugar beets; very productive and well liked by stock.....	.05	.....	.15	.40
Vilmorin. Somewhat coarser than other varieties; mostly used for stock feeding.....	.05	.....	.15	.40
Klein Wanzleben. This is the variety mostly grown where used for sugar; it gives good returns on ordinary soil and is very rich in feeding qualities.....	.05	.....	.15	.40

Mangel Wurzels:

L. B. Co.'s Royal Red. —(See special description and price on page 5.)	.....	.....	.....	.....
Goldian Giant. —(See special description and prices on page 6.)	.....	.....	.....	.....
Long Red Mangel. A large variety, producing enormous crop; grows much above ground; flesh white, shaded with red; grown mostly for stock feeding.....	.05	.....	.15	.40
Yellow Globe. Similar in shape to Red Globe, yellow skin and white flesh; not a very desirable sort in deep soils.....	.05	.....	.15	.40
Golden Tankard. A well known and popular field beet; grows to a large size; flesh a bright yellow; nutritious and well liked by stock; grows well in shallow soils.....	.05	.....	.15	.40

If you want 10 pounds of Sugar or Stock Beets we will send them at your expense for transportation for \$2.50, or we will send them, charges paid, to any railway express office for \$3.00. This does not apply to Royal Red or Golden Giant.

BROCCOLI —Produces heads like Cauliflower, to which it is inferior, but hardier.....	.05	.40	1.25	4.00
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BRUSSELS SPROUTS—

Dwarf Improved. A dwarf, compact growing sort that produces a number of heads of fine quality.....	.05	.20	.75	2.00
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CABBAGE—(1 oz. for 1500 plants.)**Extra Early Varieties:**

Select Early Jersey Wakefield —(See special description and prices on page 13.)				
Early Jersey Wakefield. Common stock.....	.05	.20	.60	2.00
Early Winnigstadt. A good cabbage; much the same shape as Wakefield, but not so early.....	.05	.20	.60	2.00
Early Drumhead. Dwarf, medium sized hard head.....	.05	.20	.60	2.00
Early York. Very early, but small and soft headed.....	.05	.20	.60	2.00
Early Express. Compact plants. with round, thick leaves and an oval head; stands shipment well.....	.05	.20	.60	2.00

Second Early or Summer Varieties:

Charleston Wakefield. The largest early Cabbage; possesses all the valuable characteristics of Jersey Wakefield except that it is a few days later but half again as large.....	.05	.20	.60	2.00
Early Spring. The earliest flat heading variety. It is fully one week earlier than any other flat cabbage.....	.05	.20	.60	2.00
Henderson's Early Summer. A very popular midseason cabbage coming in about ten days later than Jersey Wakefield.....	.05	.20	.60	2.00
All Seasons —(See special description and prices on page 13.)	.....	.....	.....	.....
All Seasons. Common stock.....	.05	.20	.60	2.00
Surehead. A compact, general crop cabbage, having medium sized to large, thick heads and many outer leaves.....	.05	.20	.60	2.00
Lilly's Glory —(See special description and prices on page 14.)	.....	.....	.....	.....

Winter Varieties:

Danish Ball Head —(See special description and prices on page 14.)	.....	.....	.....	.....
Danish Ball Head. Common stock.....	.05	.20	.60	2.00
Premium Late Flat Dutch. One of the best and most popular varieties	.05	.20	.60	2.00
Red Dutch. Small, hard heads; for pickling.....	.05	.20	.75	2.50
Drumhead Savoy. The largest heading Savoy. Very popular for private use.....	.05	.20	.75	2.50

CABBAGE PLANTS—(See plants.)**CARROTS—(1 oz. for about 125 feet of drill; 4 lbs. for an acre.)**

Golden Half Long —(See special description and prices on page 10.)	.....	.....	.....	.....
L. B. & Co.'s Improved Mastodon —(See special description and prices on page 9.)	.....	.....	.....	.....
Short Horn or Early Scarlet Horn. A very popular standard early variety.....	.05	.10	.35	1.00
Chantenay or Model. One of the finest in quality for table use.....	.05	.10	.25	.75

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Delivered Free In U. S.
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	Pkt.	Oz.	¼ lb.	Lb.
CARROTS, Continued:				
Oxheart or Guerande—(See special description and prices on page 9.)				
True Danvers Half Long. A great favorite; rich dark orange.....	.05	.10	.25	.75
Improved Long Orange. A very fine strain; good keeper.....	.05	.10	.25	.75
Improved Short White. The best and most productive.....	.05	.10	.20	.50
Large White Belgian. Large, white, very productive.....	.05	.10	.20	.50
Early French Forcing. The earliest and largely grown for forcing; small, almost globular roots, orange-red in color.....	.05	.10	.35	1.00
CAULIFLOWER—1 oz. for 100 plants.)				
New Early Alba. (See special description and prices on page 11.)	.....	.....	.....	.....
Henderson's Snowball. A sure header and an excellent strain.....	.15	2.00	5.50	.....
Snowball. Ordinary strain.....	.05	1.50	3.50	.....
Early Dwarf Erfurt. Plants dwarf and compact. Good sized heads.....	.05	.75	3.00	.....
Large Late Algiers. A strong growing variety for fall use producing fine heads.....	.05	1.00	3.50	.....
CAULIFLOWER PLANTS—(See plants.)				
CELERY—(1 oz. for 3000 plants; 1 lb for plants for 1 acre.)				
White Plume. The very best early sort for market gardeners.....	.05	.25	.60	1.75
Golden Self Bleaching. (See special description and prices on page 8.)	.....	.....	.....	.....
Golden Hearted. A dwarf stock variety.....	.05	.20	.60	1.75
Giant Pascal. (See special description and prices on page 8.)	.....	.....	.....	.....
Giant White Solid. This is the very best of the large late sorts.....	.05	.20	.60	1.75
Boston Market. Solid half round green stalks, blanching white, crisp and tender, dwarf and robust.....	.05	.20	.60	1.75
CELERIAC, OR TURNIP ROOTED CELERY:				
Large Prague. Round, clear skinned turnip-like roots that keep well for winter use; used for flavoring soup or as a salad.....	.05	.25	.75	2.00
CHERVIL—To be used like parsley.....	.05	.15	.30	1.00
CHICORY—Used as a substitute for and to flavor coffee.....	.05	.15	.40	1.25
COLLARDS:				
True Georgia. Used in the south as greens; not adapted to the North- west.....	.05	.15	.30	1.00
CORN SALAD:				
Large Headed "Fetticus" or Lamb's Lettuce. Hardy little plants grown for late fall, winter and spring use as a substitute for lettuce; they form rosettes of tender, edible leaves.....	.05	.10	.20	.60
CORN, SWEET OR SUGAR—(1 qt. for 200 hills; 8 to 10 qts. in hills for an acre):				
Only Packets are sent sent prepaid; if purchaser wants corn sent freight or express paid, add 10 cents per pound.	For Free Delivery in N W. add 10c per lb. Lb prices here are F. O. B Seattle; packets prepaid.			
	Pkt.	Lb.	10 lb.	25 lb.
First Early Varieties:				
Corey Early Red Cob. The earliest and one of the best extra early varieties grown; quality sweet and tender; the plants are stocky, usually bearing 2 ears to a stalk.....	.10	.15	1.20	2.50
White Cob Cory. Extremely early; usually fit to use from 50 to 60 days from sowing; ears about 6 inches long with milky white ker- nels: sweet and tender and delicious; plants dwarf, bearing usually 2 ears to a stalk.....	.10	.15	1.20	2.50
Early Metropolitan—(See general description and prices on page 12.)	.....	.....	.....	.....
Early Minnesota. A standard variety of dwarf growth coming in be- tween "Cory" and "Crosby;" ears of fair size and good quality.	.10	.15	1.20	2.50
Medium Early Varieties:				
Crosby's Early. A second early popular variety; ears about 7 inches long and of fine quality.....	.10	.15	1.20	2.50
Perry's Hybrid. A popular second early, of stocky growth, 4 to 5 feet high with usually 2 ears of good size set low on the stalk; ears well filled with large white kernels; sweet and tender.....	.10	.15	1.20	2.50
Black Mexican. Medium early, bearing 8 inch ears well filled with large kernels which, paradoxically, though black when ripe are white when "green," and then exceptionally sweet.....	.10	.15	1.20	2.50
Late or Main Crop Varieties:				
Country Gentleman. The finest of all the Corn for the private table; ears 8 to 9 inches long; cob small and irregularly crowded from end to end with white kernels of great depth; sweet and tender....	.10	.15	1.20	2.50
Mammoth. A very late variety, producing mammoth ears, often 14 inches long, well filled with large broad white kernels of superb quality; unusually productive.....	.10	.15	1.20	2.50
Stowell's Evergreen. The standard late for both home and market and canning. A strong growing variety, bearing 2 very large ears to a stalk; kernels long, exceptionally tender and sugary, remain- ing long in the "milk." Our stock of this favorite is very superior.	.10	.15	1.20	2.50
CORN, FIELD:				
Golden Nugget—(See special description on front inside cover.)	.....	.....	.....	.....
Washington Giant. An early, yellow variety, maturing in 80 to 90 days; produces a long, well filled ear with large kernel and small cob, well adapted to being grown far north.....	.10	.10	.50	1.00
Leaming Improved. A yellow Dent Corn, early, prolific, ears 9 to 12 inches long.....	.10	.10	.50	1.00
Champion White Pearl. A large, late, white variety; popular as Fod- der Corn.....	.10	.10	.50	1.00

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For Free Delivery in N. W. add 10c per lb. Lb prices here are F. O. B. Seattle; packets prepaid.

CORN, FIELD, Continued:

Iowa Gold Mine. A magnificent variety, rich golden color. This corn has given the best results throughout Canada and the middle west and we look forward to its being a great success on the Coast..

Early Canada. A flint variety especially adapted to the section west of the Cascades.

Pride of the North. An old standard dent sort. Successfully grown throughout eastern Washington and Oregon.

King Phillip. An early red corn, well acclimated and a general favorite.

Sanford White Flint. An early and productive variety, beautiful in appearance.

Kafir Corn. A most satisfactory crop where land is warm and frost does not come too early. Produces an immense amount of fodder.

CORN FODDER:

Sweet Fodder. Especially adapted for use in the Silo.

Evergreen Fodder. A sweet fodder corn of high value.

CORN, POP:

White Rice. The best corn for popping, and for the general market; early, white, pointed kernels.

Golden Queen. A rich yellow in color and a heavy yielder.

Pkt.	Lb.	10 lb.	25 lb.
.10	.10	.50	1.00
.10	.10	.50	1.00
.10	.10	.50	1.00
.10	.10	.50	1.00
.10	.10	.50	1.00
.10	.10	.50	1.00
.10	.10	.90	1.25
.10	.10	.90	1.25
.10	.10	.80	1.50
.10	.10	.80	1.50

Lilly's Crop Book tells how to plant and cultivate any variety of vegetables. Ask for a free copy when you send your order.

PRICES Delivered Free In U. S. (Except Otherwise Noted)			
Pkt.	Oz.	¼ lb.	Lb.

CRESS:

Curled, or Pepper. This is used largely for salads; planted at frequent intervals it furnishes a succession for a long while.

True Water. Roots must be continually in water to do well; is a most delicious salad.

CUCUMBER—(1 oz. for 60 hills; 2 to 3 lbs. in hills for an acre.)

Cool and Crisp.—(See special description and prices on page 15.)

Cool and Crisp, Ordinary Stock.

Early White Spine Improved.—(See special description and prices on page 15.)

Early White Spine, Ordinary Stock.

Everbearing. Possesses the merit of flowering and fruiting on the same vine until frost continuously; form perfect even when small; of rich deep green color; desirable for pickling.

Early Cluster. An early prolific, prickly, short green variety.

Green Prolific. Short green, productive, pickling variety.

Long Green. Dark green fruits, 12 to 14 inches long; quality firm, crisp and excellent. It is the best variety for big yellow pickles.

Japanese Climbing. A distinct and valuable type, quickly climbing poles or trellis, taking up less room in the garden and keeping the fruits up from the ground and clean. It produces fine, large fruits; adapted for either slicing, salads or pickling and thrives during dry, warm summers.

Short Green Gherkin. A thick set, small, green cucumber, borne in abundance and used exclusively for pickling.

West India Gherkin. Resembles the Short Green Gherkin; used exclusively for pickling.

Boston Pickling. An exceedingly popular variety with those who grow for canners.

.05	.10	.20	.50
.05	.35	1.00	2.75
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00
.05	.15	.35	1.00

DANDELION:

Large Leaved. An early variety, used as early greens and, when bleached, as salads; the leaves are broad.

EGG PLANT—(1 oz. for 1,000 plants.)

New York Spineless. A superior type; low, stocky, spineless plant; early and prolific; purple fruits of the largset size and perfect in form; quality splendid.

Early Long Purple. An earlier, hardier variety with club shaped, dark purple fruits 6 to 8 inches long; a shape preferred by some for slicing; flesh firm.

Black Pekin. A strong growing variety, medium sized; almost round black fruits and very solid.

ENDIVE—(1 oz. for 100 feet of drill, or 2000 plants.)

Green Curled. A popular sort with finely cut parsley like leaves.

French Moss Curled. A smaller compact growing variety, with densely curled moss-like leaves.

GOURDS:

Japanese Nest Egg. Resembling an egg in shape, put up only in pkts.

Dipper. Useful for many household purposes.

HERB SEEDS:

For Planting. We carry in stock the following varieties: Anise (aromatic seeds), Balm (for culinary purposes), Sweet Basil (broad leaved), Caraway, Catnip (cat mint), Coriander (aromatic), Dill, Fennel (sweet), Hysop (medicinal qualities), Lavender, Sweet Marjoram, Rosemary (aromatic oil), Rue (medicinal qualities), Sage (for culinary purposes), Sorrel (large leaved, used in salads), Summer Savory (culinary), Thyme (broad leaved), all at same price.

.10	.25	.75	2.00
.05	.25	.75	2.00
.05	.25	.75	2.00
.05	.25	.75	2.00
.05	.15	.40	1.35
.05	.15	.40	1.35
.10			
.10			
.05			

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Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.

HERB SEEDS, Continued:

For Flavoring. Anise, Caraway and Coriander (specify the kind wanted)	.05	.10	.25	.45
HORSE RADISH ROOTS —(See Plants.)				
KALE, OR BORECAUL —(1 oz. for 150 feet of drill.)	.05	.10	.30	.80
Emerald Isle—(See special description and prices on page 17.)	.05	.10	.30	.80
Dwarf Green Curled Scotch. Beautifully curled, bright green leaves..				
Siberian. Green curly leaves; tender and of delicate flavor				
KOHL RABI —				
Early White Vienna. A bulbous formed vegetable; when cooked before				
fully grown is tender and excellent, combining the flavors of cabbage				
and turnips	.05	.20	.60	2.00
LEEK —(1 oz. will sow 100 feet of drill.)				
Large American Flag. This very superior variety produces, white				
uniformly large stems, 2 inches in diameter by 10 inches long; of				
delicate flavor	.05	.15	.40	1.25
LENTILS. Used for soups; succeed best in a dry sandy soil.				.10
LETTUCE —(1 oz. for 3,000 plants.)				
Head Varieties:				
Big Boston. A grand large solid heading variety for frame and open				
culture, heading at all seasons; crisp and tender, and sweet, well				
blanched leaves	.05	.20	.50	1.50
Boston Market or White Seeded Tennisball. A popular, small, com-				
pact variety for early outdoor culture and largely forced in hotbeds				
and greenhouses; can be planted closely	.05	.15	.30	1.00
Hanson. A handsome large heading summer variety of fine quality ...	.05	.15	.30	1.00
Immissy—(See special description and prices on page 16.)				
Deacon. A large firm heading variety for early summer or late fall				
use; light green outside; creamy yellow inside; of fine buttery quality				
Summer Cabbage or California Cream Butter. A good butter variety;				
fine for main crop	.05	.15	.30	1.00
Blackseeded Tennisball. A hardy, very early, small, hard-heading				
variety; a favorite for growing in frames and hotbeds, also for				
early open culture	.05	.15	.30	1.00
Curled or Cutting Varieties:				
Early Curled Simpson—(See special description and prices on page 16.)				
Black Seeded Simpson. Very large loose heads of curly golden yellow				
leaves which are thin and tender. It stands summer heat splen-				
diddly and is valued for frame culture.	.05	.15	.30	1.00
Grand Rapids. Beautifully crumpled and curled; tender and delicious;				
grows freely	.05	.15	.30	1.00
Early Curled Selicia. An early sort	.05	.15	.30	1.00
Prize Head. One of the most popular and easily grown; leaves crum-				
pled and tinged with red	.05	.15	.30	1.00
The Morse. A new variety especially adapted to forcing. In hotbeds				
this has proved to be the earliest lettuce grown	.05	.20	.50	1.50
White Cos Alaska—(See special description and prices on page 16.)				
MELONS, MUSK —(1 oz. for 60 hills, 2 to 3 lbs. for an acre.)				
Casaba. Large; green fleshed; a most satisfactory variety	.05	.15	.35	.90
Osage or Miller's Cream. The most popular melon of the Northwest				
for private gardens; yellow flesh; skin netted green	.05	.15	.35	.90
Early Jenny Lind. A small, very early sort; fine flavor	.05	.15	.35	.90
Nutmeg. Shaped like a nutmeg; green flesh; sweet; good for main				
crop	.05	.15	.35	.90
Early Hackensack. One of the most popular of all the melons; reliable				
and bountiful yield; green flesh; large size	.05	.15	.35	.90
Large Hackensack. Has all the good points of Early Hackensack; is				
larger and later; not as satisfactory for main crop as Jenny Lind or				
Rocky Ford	.05	.15	.35	.90
Rocky Ford, Lilly's Select Stock—(See special description and prices				
on page 24.)				
Paul Rose. A cross between Netted Gem and Miller's Cream. We				
have the real kind, not the same as Netted Gem. A good melon				
but falls short of the good qualities found in Rocky Ford	.05	.15	.40	1.00
Netted Gem. Early, productive, uniform and finely netted	.05	.15	.35	.90
MELONS, WATER —(1 oz. for 30 hills: 4 to 5 lbs. in hills per acre.) For				
Melon Culture, see Lilly's Crop Book, free with each order for 25c.				
worth of seeds. It tells how to grow melons in the Northwest and				
is sent only when requested				
Cuban Queen. Large oval melons, striped dark and light green;				
flesh red and of excellent quality. The best late sort	.05	.10	.25	.70
Cole's Early, Lilly's Select Stock—(See special description and prices				
on page 24.)				
Cole's Early, Ordinary Stock	.05	.10	.25	.70
Dixie. A large oblong, dark striped melon	.05	.10	.25	.70
Florida Favorite—(See special description and prices on page 24.)				
Florida Favorite, Ordinary Stock	.05	.10	.25	.70
Ice Cream or Peerless. Medium sized round melon; skin light green				
mottled	.05	.10	.25	.70
Gypsy. A strong grower and good bearer; above the average in size;				
mottled and striped dark and green; firm rind and excellent grained				
flesh; ships well	.05	.10	.25	.70

Complete
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Complete List of	Vegetable Seeds	PRICES			
		Delivered Free In		U. S. (Except Otherwise Noted)	
		Pkt.	Oz.		¼ lb.	Lb.
MELONS, WATER, Continued:					
Georgia Rattlesnake. Similar to Gypsy; of oblong shape.....		.05	.10	.25	.70
Sweetheart. A thick oval melon, light green mottled thin rind.....		.05	.10	.25	.70
Phinney's Early. A valuable early variety, producing a large crop; rather long, rounded at the ends; fruit of excellent grain and quality, tender and crisp; rind thin but firm.....		.05	.10	.25	.70
Citron. Small round fruits; for preserves only.....		.05	.10	.25	.70
MUSTARD. A hardy, pungent plant, highly esteemed by many as an appetizing salad for which purpose it should be cut when two or three inches high. It is used when larger as greens.....		.05	.10	.25	.75
MUSHROOM SPAWN —(See special description and prices on page 17.)		....	....	....	....
OKRA OR GUMBO:					
Dwarf Green. The pods sliced are esteemed for soups, stews, etc., and whether used green or dried, must be gathered while young.....		.05	.10	.20	.60
ONIONS —(1 oz. for 100 feet in drill; 5 to 6 lbs. in drills for an acre.) Prices on onions include postage.					
Extra Early Red Flat. Exceedingly early of medium size and mild flavor; does well in cool soil where others fail.....		.05	.15	.50	1.35
Large Red Wetherfield—(See special description and prices on page 18.)		....	....	....	....
Australian Brown—(See special description and prices on page 18.)		....	....	....	....
Yellow Globe Danvers—(See special description and prices on page 18.)		....	....	....	....
Oregon Yellow Danvers. Similar to the Yellow Globe Danvers, only half globe in shape; Oregon grown seed.....		.05	.15	.45	1.20
White Queen—(See special description and prices on page 19.)		....	....	....	....
White Portugal or Silver King. A favorite in the family garden; medium size and mild flavor; used very generally by the market gardeners as a bunching onion.....		.05	.25	.75	2.10
Prize Taker—(See special description and prices on page 19.)		....	....	....	....
South Port Red Globe. A fine looking onion, perfect in shape; produces large crops and is a good keeper.....		.05	.25	.70	2.10
South Port White Globe. Handsome, large sized, globular in form; both skin and flesh a pure white. If a little care is taken this is a paying crop, as there is always a demand for a fine looking White Onion.....		.05	.25	.70	2.10
Yellow Flat Danvers. Leading large yellow kind; flesh fine grained, mild and very rich; very productive and one of the best keepers and shippers.....		.05	.20	.70	2.00
Yellow Strasburg. A large, flat, yellow onion, somewhat different in color from other yellow kinds; a good keeper.....		.05	.15	.45	1.30
ONION SETS —(See Plants, also special description on page 19.)					
PARSLEY —(1 oz. for 150 feet of drill.)					
Champion Moss Curled, Lilly's Select Stock. Compact plants of quick, robust growth; fine cut and beautifully crimped and curled leaves..		.05	.10	.25	.75
Champion Moss Curled, Ordinary Stock.....		.05	.10	.20	.60
Triple Curled. A popular dwarf variety, used for seasoning and table decoration.....		.05	.10	.20	.60
PARSLEY PLANTS —(See Plants.)					
PARSNIP —(1 oz. to 200 feet of drill; 5 to 6 lbs. for an acre.)					
Hollow Crown, Lilly's Select Stock—A handsome, heavy cropping variety, half long, round, smooth and white; fine texture and flavor..		.05	.10	.20	.50
Long White Dutch. Produces a somewhat larger yield than Hollow Crown, but is inferior in other respects.....		.05	.10	.20	.50
PEAS —(2 lbs. to 100 feet of drill; 2 to 3 bu. for an acre.)					
Only packets are sent prepaid; if to be sent freight or express paid add 10c per pound. Special prices on large lots.		Pound prices are F. O. B. Seattle; packets prepaid; add 10c per lb. for free delivery in N. W.			
Varieties marked with (*) are wrinkled, all others are smooth.					
Dwarf Early Varieties:					
American Wonder*—(See special description and prices on page 22.)		....	....	....	....
Washington Wonder*—(See special description and prices on page 22.)		....	....	....	....
Little Gem* Comes next to American Wonder; 15 inches high; prolific; good flavor.....		.10	.15	1.50	3.00
Nott's Excelsior*—(See special description and prices on page 22.)		....	....	....	....
Extra Early, Medium Height:					
Thos. Laxton,* Lilly's Select Stock—(See special description and prices on page 20.)		.10	.15	1.25	2.50
Thos. Laxton,* Common Stock.....		.10	.15	1.25	2.50
Gradus, or Prosperity,* Lilly's Select Stock—(See special description and prices on page 23.)		.10	.15	1.25	2.50
Gradus, or Prosperity,* Common Stock.....		.10	.15	1.25	2.50
Alaska. Two feet, very early round, blue pods, three inches long, filled with small, smooth, blue-green fruit. Can be sown in fall or early spring.....		.10	.15	1.00	2.25
First and Best. Two and one-half feet, an extra, round, smooth, white pea; very popular.....		.10	.15	1.00	2.00
Lou Dillon. A new pea that is destined to prove very popular; it has proven itself to possess an extraordinary degree of vitality, and is the first early pea for market gardeners; pods well filled and flavor fine.....		.10	.20	1.50	3.00
Second Early Varieties:					
Mount Rainier—(See special description and prices on page 21.)		....	....	....	....

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Vegetable Seeds

Pkt.	Lb.	10 lb.	25 lb.
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Pkt.	Lb.	10 lb.	25 lb.
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Advancer. A great favorite with market gardeners; pods large, handsome and well filled with peas of fine quality.....
Everbearing.* Three feet; pods of fair size. Peas large and of good quality. A good pea, but most too rank in growth of vines.....
Yorkshire Hero.* Two feet; one of the best medium late sorts; a heavy bearer, large pods and peas. Justly prized for its genuine worth.....
Heroine.* Medium early, green, wrinkled pea of high merit; grows to two and one-half feet; pods are large, with eight to ten large marrow-like peas; very prolific.....

.10	.15	1.00	2.00
.10	.15	1.00	2.00
.10	.15	1.20	2.25
.10	.20	1.50	3.00

Stratagem.*	The handsome pods combined with the excellent quality of the peas, make this one of the most desirable sorts.....
Telephone*—	(See special description and prices on page 20.)
Dwarf Telephone.*	Eighteen inches. A dwarf, stocky, healthy and vigorous pea. Very productive; a week earlier than Stratagem..
Melting Sugar.	An edible pod pea that can be cooked, pod and all, the same as snap Beans.....

.10	.15	1.20	2.25
....			
.10	.20	1.50	3.00
.10	.15	1.20	2.25

We have Blue Express, White Canada and Yellow Canada field peas, which are among the most popular varieties. (Write for prices on large lots.)

Eastern methods of cultivation cannot be applied in all cases to the soil in our section. Lilly's Crop Book will tell you how to raise crops in the Northwest. Ask for a copy when you get 25c. worth or more of seeds.

.10	.10	.65	1.25
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Delivered Free In U. S.
(Except Otherwise Noted)

Large Bell or Bull Nose, Lilly's Select Stock. Flavor very mild; large early and bright red fruit, popular for pickling.....
Large Bell or Bull Nose, Ordine's Select Stock. Similar to the above, only a little yellow in color.....
Golden Dawn. Similar to the above, only a little yellow in color.....
Ruby King. The most prolific and popular sort grown. Pods of immense size. Thick fleshed and delicious navor.....
Red Cayenne. A late variety; three or four inches long, pungent pods; used largely for pickling when green.....

Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
.05	.25	.75	2.50
.05	.25	.75	2.25
.05	.25	.75	2.25
.05	.25	.75	2.25
.05	.25	.75	2.25

Our seed potatoes are carefully selected and free from scab and other diseases. They are true to name and only the best specimens of each kind are offered. We do not pay transportation charges.

Purchaser Pays Transportation.

Pk.	Bu.	Bbl.	Ton.
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Bovee—(See special description and prices on page 27.)
 Extra Early Ohio. (See special description and prices on page 27.)
 Early Puritan. A valuable early variety, oval in shape and white all through; skin smooth and flesh floury.....
 Early Rose. The popular standard variety, noted for earliness, productiveness and fine quality. Write for prices.
 Early Maine. An extra early variety, but not so prolific a bearer nor as good a flavor as the Bovee; round in shape and color pink. Write for prices.

....			
....			
.60	2.00	3.75	50.00
....			
....			

Main Crop Varieties:
Uncle Sam—(See special description and prices on page 25.)
Burbank. One of the prolific late sorts; not liable to rot; handsome and of excellent quality. Selected seed stock at a shade over market prices.
Money Maker. Same shape, color and general characteristics as the Burbank. Prices quoted on application.
Burbank's Extra Early—(See special description and prices on page 26.)

A diagram of a four-column abacus. It consists of four vertical columns of dots. A vertical line is drawn on the left side, passing through the first column. A small dot is located on this line, between the second and third rows of dots.

Delivered Free In U. S.
(Except Otherwise Noted)

Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
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Connecticut Field.—(See special description and prices on page 30.)
Jonathan. A handsome crook-necked sort; prolific; hard shell and a good keeper; flesh thick and sweet; makes good pies.....
Jumbo or King of the Mammoths. The largest pumpkin grown. If given proper culture will develop single specimens weighing 200 to 250 lbs., and is variously known under such names as Giant, Mammoth and combinations of these.....
Mammoth Tours. A well known variety, producing pumpkins that will often weigh as much as 100 pounds each.....
New Sugar or Pie. A very handsome and exceedingly productive pumpkin; small in size; of delicious flavor; an excellent keeper and the best for culinary use.....
White Cushaw, Striped. Flesh solid, fine and sweet; keeps very well.

.....			
.05	.10	.25	.75
.05	.10	.30	.90
.05	.10	.25	.75
.05	.10	.25	.70
.05	.10	.25	.70

Complete
List of

Vegetable Seeds

PRICES
Delivered Free In U. S.
(Except Otherwise Noted)

	Pkt.	Oz.	¼ lb.	Lb.
RADISH —(1 oz. for 100 feet of drill; 9 to 10 lbs. in drills for an acre.)				
Early Round or Turnip Shaped:				
Giant Crimson Forcing —(See special description and prices on page 28.)	....	....	....	....
Early Scarlet Turnip. A popular variety; medium size; mild flavor; bright color and a rapid grower; one of the best early varieties....	.05	.10	.20	.60
Scarlet Turnip, White Tip —(See special description and prices on page 28.)	....	....	....	....
French Breakfast. A general favorite; oval shape; bright scarlet with white tip; fine for forcing or open ground.....	.05	.10	.20	.60
Non Plus Ultra. A decided improvement on Early Scarlet Turnip, more tender, earlier and more even in size; perfect in shape, of beautiful color and a fine appearance.....	.05	.10	.20	.60
White Turnip. Similar to Scarlet Turnip in size, shape and maturity; flesh crisp and white, and skin pure white instead of scarlet.....	.05	.10	.20	.60
Early Long Varieties:				
White Vienna or Lady Finger. A pure white, tapering shape about three inches long; matures in about five weeks; good flavor.....	.05	.10	.20	.60
Long Bright Scarlet. The standard early long variety; about six inches long; short tip; about as early as above.....	.05	.10	.20	.60
Long Scarlet, White Tip. Similar to the Long Scarlet with the lower third of its root a pure white.....	.05	.10	.20	.60
Summer and Autumn Varieties:				
Giant White Stuttgart. Large, white, turnip shaped; will fully mature in six or eight weeks, but should be pulled earlier, as it is inclined to get tough.....	.05	.10	.20	.60
Chartier. A large, handsome summer radish; top crimson, fading to white at tip.....	.05	.10	.20	.60
White Strasburg. An early summer radish four to five inches long tapering; flesh and skin solid, white and fine.....	.05	.10	.20	.60
China Rose Winter. A valuable winter sort four to five inches long, two inches in diameter; considered indispensable by the gardeners..	.05	.10	.20	.65
California Mammoth White. A winter variety of long size and taking two or three months to mature.....	.05	.10	.20	.65
Long Black Spanish. A black skinned winter radish; firm white flesh; one of the hardiest; not as good flavor as the above two kinds.....	.05	.10	.20	.65
Round Black Spanish. Roots round or top shaped; skin black; flesh white, fine grained and highly flavored; excellent for winter, as the roots keep long.....	.05	.10	.20	.60
RHUBARB, OR PIE PLANT:				
For cultural directions see Lilly's Crop Book, sent free with each 25c order, on request.				
Mammoth Victoria. The largest and finest cooking variety; has thick red stalks; a compact and vigorous grower; immensely productive and very rich and spicy.....	.05	.15	.45	1.50
RHUBARB ROOTS —(See Plants.)				
RUTABAGAS —(See Turnips.)				
SALSIFY, OR OYSTER PLANT:				
Long White French. An early variety, but not equal to others in size.	.05	.15	.40	1.25
Mammoth Sandwich Island. Produces roots nearly double in size and weight of the old variety and of superior quality, delicious flavor....	.05	.15	.40	1.25
SPINACH —(1 oz. for 100 feet of drill; 10 to 12 lbs. in drills for an acre.)				
Thick Leaved Improved. Produces large, thick, bright green crumpled or savory leaves of excellent quality; very slow in running to seed. Can be sown in the fall for spring crop and is unquestionably the best variety for extra early.....	.05	.10	.20	.40
Prickly Winter. An exceedingly hardy variety, leaves long and pointed.....	.05	.10	.20	.40
Long Standing. An excellent compact variety, thick, fleshy, dark green leaves; grows slowly but remains a long time fit for use....	.05	.10	.20	.40
Large Viroflay. A large, hardy variety.....	.05	.10	.20	.40
Round Summer. A good variety for early spring sowing; leaves are round, thick, fleshy; good for earl; market gardens.....	.05	.10	.20	.40
Savoy Leaved Bloomsdale. A very early variety, hardy and suitable for early spring use.....	.05	.10	.20	.40
SQUASH —(Bush varieties, 1 oz. for 50 drills, 5 to 6 lbs. per acre; running varieties, 3 to 4 lbs. to acre.)				
Summer Varieties:				
Early Summer Crookneck —(See special description and prices on page 29.)	....	....	....	....
Long Island White Bush Scallop —(See special description and prices on page 29.)	....	....	....	....
Yellow Bush Scallop. Has the same characteristics as Long Island Bush Scallop, except being yellow in color; larger size and inferior flavor.....	.05	.10	.25	.75
Fall or Winter Varieties:				
Delicata —(See special description and prices on page 30.)	....	....	....	....
Boston Marrow. A very popular second early squash for autumn use; skin thin and tender, of reddish brown color; flesh dry, fine grained and delicious. The most satisfactory of all the early fall varieties	.05	.10	.25	.75

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Complete
List of

Vegetable Seeds

PRICES			
Delivered Free in U. S. (Except Otherwise Noted)			
Pkt.	Oz.	¼ lb.	Lb.

SQUASH—Continued:

Fordhook. Introduced by Burpee and rightly claimed by him to be one of the finest flavored squashes grown. It is good either gathered young or left until it ripens on the vine, in which condition it can be kept through the winter.....	.05	.15	.35	1.00
Essex Hybrid. One of the best for fall and winter use; a good keeper, and large size; bright golden in color; flesh thick, dry and good flavor.....	.05	.15	.35	1.00
Sibley or Pike's Peak. Shell smooth, thin and of a pale green color..	.05	.10	.25	.75
Large Warted Hubbard— (See special description and prices on page 29.)	....	....	....	....
Golden Hubbard— (See special description and prices on page 29.)	....	....	....	....
Mammoth Chilli. The largest of all squashes, often weighing 200 pounds or over; flesh rich and fine flavored.....	.05	.15	.35	1.00
SUNFLOWER—Mammoth Russian......	....	....	....	.10

TOBACCO—(1 oz. for about 325 drills.)

Connecticut Seed Leaf. Hardy and well adapted to cool localities and for general use.....	.05	.35	.75	....
Havana. Delicate flavor and fine texture; valuable in the manufacture of fine cigars.....	.05	.50	1.40	....

TOMATOES—(1 oz. for 1,500 plants; ¼ lb. to the acre.)

Early Michigan. An extremely smooth, solid, perfectly shaped tomato. A favorite early sort with market gardeners.....	.05	.20	.60	2.25
Spark's Earliana— (See special description and prices on page 31.)	....	....	....	....
Beauty. Prolific, medium sized, smooth and of a dark purplish red; flesh of superior quality.....	.05	.20	.75	2.50
Dwarf Champion. Dwarf and compact habit; requires no stalk and can be planted as close as three feet; fine cropper; round and smooth and ripens with little sunshine.....	.05	.25	.80	2.85
Early Ruby. One of the earliest tomatoes grown; uniform in size and shaped; solid and of fine quality; color rich red.....	.05	.20	.75	2.50
Favorite. A large, handsome, uniformly shaped tomato; solid, smooth flesh, ripens evenly.....	.05	.20	.60	2.25
Bogardus Ponderosa— (See special description and prices on page 31.)	....	....	....	....
New Stone. A large, handsome tomato of good quality; scarlet fruit, solid and deep in color and exceedingly heavy.....	.05	.25	.60	2.25
Puget Sound Special— (See special description and prices on page 31.)	....	....	....	....
Atlantic Prize. An extra early variety of good size and smooth surface; flesh fine.....	.05	.20	.60	2.25
Acme. An old, well-known, early variety; medium in size, smooth, solid and prolific; color purplish pink.....	.05	.25	.60	2.25
Perfection. A splendid medium early kind; round, uniformly smooth, and skin tough; solid and of rich flavor, deep scarlet in color; vines very productive.....	.05	.20	.60	2.25

TOMATO PLANTS—(See Plants.)**TURNIPS—**(1 oz. for 150 feet of drill; 1 to 2 lbs. in drills for an acre.)

For cultural directions see Lilly's Crop Book, sent free with orders of 25c or over, when requested.

White Fleshed Varieties:

Cow Horn or Long White. Pure white slightly curved roots, somewhat resembling a carrot; flesh tender, sweet and of fine quality; can be sown early for fall or winter use.....	.05	.10	.20	.50
Early White Flat Dutch. A standard early variety; flesh white and mild.....	.05	.10	.20	.50
Early White Milan— (See special description and prices on page 32.)	.05	.10	.25	.75
Purple Top Milan. Similar, but not quite equal to the White Milan..	....	....	....	....
Early Purple Top Strap Leaf— (See special description and prices on page 32.)	....	....	....	....
Purple Top White Globe. An early, large globe shaped variety; white flesh; a fine table turnip.....	.05	.10	.20	.50
White Egg. An oval or egg-shaped variety, with smooth, thin, white skin and snowy white flesh.....	.05	.10	.20	.60
Early Snowball— (See special description and prices on page 32.)	....	....	....	....

Yellow Fleshed Varieties:

Golden Ball or Orange Jelly. Medium size globe shaped bulbs; very early; flesh golden yellow, of fine texture and sweet.....	.05	.10	.20	.50
Yellow Aberdeen. A fine, large globe shaped sort, with yellow flesh of fine quality and a good keeper; popular for table or stock.....	.05	.10	.20	.50

Rutabaga, or Swedish Varieties:

L. B. & Co.'s King of Swedes, Lilly's Select Stock— (See special description and prices on inside back cover.)	....	....	....	....
L. B. & Co.'s King of Swedes, Ordinary Stock.	.05	.10	.20	.50
American Purple Top Improved. A popular variety for both field and table use; flesh yellow, solid and good flavor.....	.05	.10	.20	.50
Sweet Russian. A white fleshed variety of large size and good quality; lacks the richness of the yellow varieties.....	.05	.10	.20	.45
Monarch or Tankard. A yellow fleshed sort having very large tankard shaped roots.....	.05	.10	.20	.50
Skirving's. Flesh yellow, solid and sweet; very productive; fine field variety.....	.05	.10	.20	.50

VEGETABLE PLANTS

All mail orders for vegetable plants will be sent from the nursery. We will thus be able to send better plants that have not had a chance to dry out. These plants are all grown in a black vegetable mould, so that when ready for shipment they have numberless small fibrous roots, instead of a long straight stick as so often found. When transplanted the earth clings to these rootlets, keeping the plants from drying out and assuring a continued and healthy growth. Plants are all well hardened, being grown outdoors for two weeks before shipping.

We do not claim to grow every variety but what we do have are well grown, true to name and we always have enough ready for shipment to fill the largest orders.

Try our plants and you will like them.

Give us a day or two, so that we can pack them at the nurseries.

Order by express, if possible, as we can send better plants.

Our plants are all hardy, well rooted and well packed in wet moss at the nursery.

Order early and we will ship at any date specified.

If you want larger quantities than we list, write for price.

ARTICHOKES.

There are two distinct varieties of Artichokes, known as large Green Globe and Jerusalem. The former is grown for its flower buds, to be cooked like asparagus. The Jerusalem variety is used for stock feeding, and is highly relished by swine. The first named may be had from seeds, but the latter only from roots. Price for Jerusalem roots: Pound, 5c; \$2.50 per 100 lbs.

ASPARAGUS ROOTS.

We have good plants of Conover's Colossal and Columbia Mammoth White. They are ready for shipment any time from September 15th to June 1st. Price postpaid 30c. per doz.

By Express, 25c per doz.; \$1.00 per 100; \$6.00 per 1000. Add 40c per 100 for transportation.

CABBAGE.

We have the following varieties for shipment from March 1st until June 15th: Jersey Wakefield, Large Late Drumhead, Danish Ball Head, Late Flat Dutch and All Seasons or Succession. Price prepaid: 15c per doz., 75c per 100, \$5.00 per 1000.

By express or freight at purchaser's expense, 50c per 100, \$3.50 per 1000.

CAULIFLOWER.

Early Alba and Snowball are grown and ready for shipment any time from March 1st to June 15th. Remember that to get the best results Cauliflower should be planted very early or late.

Price, prepaid: 20c per doz., \$1.25 per 100; \$7.50 per 1000.

By express or freight at purchaser's expense, \$1.00 per 100; \$6.00 per 1000.

CELERY.

All our Celery Plants have been transplanted once and have an abundance of fibrous roots. We grow the following varieties and have them for shipment from May 1st until July 1st: Golden Self-Blanching, Giant Pascal, Dwarf Golden Heart.

Price prepaid: 20c per doz., 75c per 100.

By Express: 60c per 100, \$5.00 per 1000.

CELERIAC, prepaid: 25c per doz., \$1.00 per 100. By express, \$6.00 per 1000.

HOP VINES.

Postpaid: Each 7c, per dozen 50c; by express, 25c per dozen.

HORSERADISH ROOTS.

Postpaid: Each 5c, dozen 40c. By Express: 25c per dozen; \$1.50 per 100.

ONION SETS.

Planting sets is preferable to using seed where green onions for bunching are wanted early, also when it is desired to have the onion crop mature early. Our sets are grown from hardy northern grown seed. They should be planted as early as the ground is in condition to work.

Our yellow bottom sets are grown from Yellow Globe Danvers seed. Price: Per lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00, sent at purchaser's expense.

White bottom sets do not keep so long as yellow. Prices the same as for yellow bottom sets.

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PARSLEY.

This is one of the hardest of all seeds to start, and yet a few plants once started will furnish leaves for several years. We are growing some plants of the curly variety that we offer at 5 cents each, postpaid.

RHUBARB OR PIE PLANT.**Crimson Winter.**

A remarkable new sort introduced by Luther Burbank, the great specialist of California, who has probably introduced more new varieties of value than any other one man in America. Crimson Winter bears all winter from October until April, it has a strong stalk and small leaf. Of great value for forcing. It will well repay anyone to pay the small additional cost and get the Crimson Winter.

Price postpaid, each 10c.; per doz., \$1.00.

By express or freight, doz., 75c.; \$5.00 per 100.

Other varieties, postpaid; 8c. each; 75c. per dozen. By express or freight, 50c. per dozen; \$3.00 per 100.

TOMATOES.

We take especial pains in growing our Tomato plants and those we send out are all good, stocky plants that have had room enough to grow, so that they are well developed. We have Spark's Earliana and The Puget Sound Special, Dwarf Champion, Atlantic Prize, Early Ruby. Price: 25c., per doz.; \$1.25 per 100, prepaid; 20c per doz.; \$1.00 per 100, by express.

MISCELLANEOUS PLANTS.

	By Mail	By Express	
	Per Doz.	Per 100	Per 1000
Broccoli	20c	.75	\$5.00
Brussels Sprouts	20c	.75	4.50
Egg Plant	35c	1.50	
Pepper	25c	1.00	
Sweet Potatoes	30c	.85	5.50

If larger quantities than those listed are wanted, write for Special Prices.

BERRIES

RASPBERRIES---The Golden Queen. Producing berries of a beautiful amber color, large, firm and of a fine quality. Each, 10c.; doz., 75c.; per 100, \$4.00.

Cuthbert. Berries very large; deep rich crimson; good for shipping; the most popular of all Raspberries; stands sun and heat well. Each, 10c.; doz., 75c.; per 100, \$4.

BLACKBERRIES---Lawton. A very prolific variety, producing fine large berries. Each, 15c.; doz., \$1.00; per 100, \$5.00.

Giant Himalaya. A new variety and one that has created a sensation wherever grown. It is a rampant grower, the canes are large and the vine a prodigious bearer. It is exceedingly early and the berries are enormous. Each, 25c.; doz., \$2.00.

Evergreen. Native of Oregon; is a beautiful ornamental vine; will cover a porch in one season; remains green all winter and produces a large crop of berries that ripen from June to November. Berries are large, sweet, juicy and rich, if well supplied with moisture. Each, 15c.; per doz., \$1.50.

STRAWBERRIES---All varieties at 15c. per doz.; 75c. per 100; \$4.00 per 1,000.

Hood River. The famous berry grown at Hood River, Oregon; large dark red, good quality and good shipper.

Clark's Seedling. Similar to Hood River, but considered inferior.

Magoon. A fine large, handsome berry, very productive, dark red in color, but late.

RECLEANED FARM SEEDS

This cut shows a corner of our seed warehouse that is devoted to the recleaning of Grass Seeds and Seed Grain. It is equipped with the largest and best seed cleaner on the market. This cleaner has over thirty different sized screens, thus enabling it to handle all kinds of seed. It has a very clever arrangement of brushes that travel back and forth over the screens once every minute, keeping the screen open and ready for work. It also has a novel scheme for controlling the air blast, allowing an exact adjustment so that it will blow out a light weight seed and leave the plump, heavy grains. Seed that has passed through this modern cleaner is not only free from weed seeds and foreign matter, but contains only the heavy, solid kernels, every one of which will produce a plant, and it is therefore necessary to sow only about three-quarters as much of our recleaned seeds as is necessary with other stock.

After being run through the cleaner every bag is sealed with a lead seal so that contents cannot be emptied without removing the seal or cutting the twine. Be sure that you get L., B. & Co.'s Recleaned Seed.

Look for the Lead Seal.

Eldorado

KING OATS

A MONEY-MAKER

Lilly's Choice Recleaned Seeds

The Oat Grower's Gold Mine

We consider this the best main crop variety of Oats; no other variety has made such a record. It has not only equaled, but surpassed all claims made for it, and is pronounced the best, most productive and hardiest Oat ever introduced. It is early, with heavy, stiff straw, bearing large and heavy heads, with well filled, plump grain. It has very thin and soft hulls, and the plump meaty berry can be slipped out from it by pressing it between the fingers. On this account the Eldorado King Oat is of the greatest feeding value, and for making oat meal there is no Oat better adapted. Ever since it was introduced it has taken the lead, not only in quality, but also as the heaviest yielding Oat, producing as much as 74 bushels from one bushel of seed sown, and yielding an average of 116 bushels per acre. It is not like most Oats, which, when you put them on good rich ground, lodge and sometimes the whole crop is lost, but on account of the strong, stiff straw, will stand up erect and produce a heavy crop of grain. It is more thankful in this respect than other Oats, and this peculiar quality accounts for its heavy yielding. This Oat is never affected by rust, and the grain is always very handsome. It is the best seller on the market, and whoever wants to get an early white Oat, either for himself or to raise for the market, must plant the Eldorado King. Sow about 75 pounds to the acre.

Prices: 100 lbs., in sealed bags, \$2.50 each; less than sack, 3/2c. lb. Purchasers to pay express charges.

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B BLACK ALASKA OATS

LILLY'S CHOICE RECLEANED SEED

TRIED AND TRUE

A SPLENDID YIELDER

A change of seed oats is necessary. You invariably get a better crop and a larger yield when you change your seed. To get clean seed and true to name, as well as to have a satisfactory grain, you should get our new Black Alaska Oat. This is one of the very best varieties of oats we have ever seen. It is a most popular and distinct variety of oats grown, and especially adapted to the northwest, yielding large crops of heavy grain, the large plump kernels enclosed in a thin hull, the color of which is darker than other oats. It is a hardy and very productive variety, stools well and the grain is of the best possible quality. You make no mistake in buying this Oat for a change of seed. The slight difference there may be in the price over the common varieties will be more than overcome by the increased yield and the better quality of the grain. Last

year we shipped this Oat to all sections, in quantities of from ten pounds to several tons, and we have heard nothing but praise from those who grew it. It is especially adapted to northern latitudes. The demand for the Black Alaska this season will be greater than has ever been the case, but we are better prepared to take care of all orders that come early. To be sure that you get your supply, send in your order in good time,

and let us file it and ship you the oats at any time you desire. We have largely increased our acreage the past season, and in our warehouse have the most modern recleaning machinery. So you can depend on getting Seed Oat free from all weed seeds and small, shrunken kernels. Do not fail to order a quantity of Black Alaska Oats. When you receive the Oats be sure and look for the lead seal, with which we seal all our bags containing grain seed. The Black Alaska Oats are put up in bags containing 100 lbs.

G. F. Urfer, of Wickersham, Wash., writes us as follows: "Your Oats are the best and cleanest seed oats I ever used, and the barley also. Hope you have them always on hand." Geo. W. Thomas, of Le'and, Wash., sowed some of our recleaned Seed Oats, and in May wrote us: "Your Seed Oats are the cleanest and plumpest I have ever sown and they all grow. Mine are 6 inches high and looking well."

Price of Black Alaska Oats: 100-lb. sealed bags, \$2.25; less than bag lots, 3c. per lb.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

WHITE HULLESS BARLEY

**IT IS BEARDLESS - - - IT IS HULLESS
PRODUCES AN ENORMOUS CROP ON HEAVY LAND**

White Hulless Barley will yield a magnificent crop of hay that is free from beards and of great value for work teams, being very strong and almost equal to a grain feed. It is two or three weeks earlier than ordinary Barley and grows about the same height. It will not shatter in the field, even if very ripe. The grain is not unlike wheat, and weighs about 60 lbs. per bushel. It should be sown at the rate of $1\frac{1}{2}$ bushels per acre—less than common Barley. This grain is best adapted to heavy soil, and on such will return a crop that will open your eyes.

John H. Gallagher, of Curfew, Wash., has been using White Hulless Barley as a feed for his hogs. In a letter to us he speaks of its merits as follows: "The White Hulless Barley I believe to be superior to all other grains for hay, and in grain yield I believe it will beat ordinary Barley 20 per cent. We know that the indigestible part of ordinary Barley is the hull, and as this comprises about 10 per cent. of the grain I should consider the Hulless, pound for pound, a better hog food by 10 per. cent than the old kind. Further, the White Hulless Barley can be sown in September and harvested in June, and the stubble give green forage during July and August."

FOR PRICES SEE LIST OF GRAIN SEED. QUOTATIONS ARE SUBJECT TO MARKET CHANGES

RUSSIAN RYE

LARGE PLUMP KERNELS

A good Rye crop is valuable on any farm, and will provide either green feed in the late fall and early spring for stock or a fine crop for turning under for green manuring. It can be raised on soils that are too poor for the other cereals, and will yield from 15 to 30 bushels per acre. The chief virtue of Rye for forage is its hardness, rapid growth early in the season before other crops come in, and its palatability to stock. It is harder than wheat and will withstand a more rigorous climate. The Russian Rye ripens before wheat, and being a winter variety its yield is heavier than other kinds. The composition of the grain is very similar to wheat, and is good for feeding to hogs.

Our Russian Rye is specially cleaned for seed and only the largest and heaviest kernels saved. Few dealers ever pay any attention to the quality of Seed Rye they place on the market, and the result is that the farms are given a large quantity of foreign and noxious weed seeds at every sowing of the ordinary Rye seed. It will pay you to get our re-cleaned Russian Rye for your next seeding. Rye should be sown at the rate of from 75 to 90 lbs. to the acre.

PRICES SUBJECT TO FLUCTUATIONS OF THE MARKET. SEE LIST OF GRAIN SEED

SPRING VETCHES

(VICIA SATIVA)

The Vetches are among the most valuable crops for that section of the Pacific Coast lying north of California and west of the Cascade Mountains. The variety mostly used is known as Spring Vetches, but to get the best results in Western Washington and Oregon the seed should be sown in the fall, mixed with Black Alaska Oats or Russian Rye. The Winter Vetches, also called Sand or Hairy Vetches, do not succeed well in the western part, but are very valuable in Eastern Washington and Oregon. Vetches are as rich as Alfalfa, and for the section first named above they are far more valuable. When sown with oats or rye as a nurse crop this mixture will ordinarily yield 8 to 10 tons of green fodder at a cutting. They make an excellent quality of hay for all stock but especially for dairy cows. Spring Vetches are sown broadcast at the rate of from 1 to $1\frac{1}{2}$ bu. per acre.

PRICES SUBJECT TO CHANGE. WRITE FOR FIGURES. WE QUOTE PRICES FOR IMMEDIATE ACCEPTANCE

SEED SOWER AS A PREMIUM

If you order our Grass or Clover Seeds to the amount of \$20.00 we will send (if asked for on the order—not otherwise) one of our new Cyclone Broadcast Seed Sowers, mentioned on page 80. This is a good broadcast seeder and is sold at \$1.90. It will sow any seed that can be sown broadcast.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

MACARONI WHEAT

A crop for dry land. Will thrive on 10 inches of rainfall. Yields 50 per cent more than ordinary wheat.

This wheat will make it possible to harvest a crop from thousands of acres in the Northwest now considered too dry for a crop of ordinary wheat. Macaroni Wheat has many uses which render it acceptable and valuable in American dietaries. One of the first and most obvious is the manufacture of macaroni, vermicelli, and other forms of edible pastes. Macaroni flour also makes good, palatable and nutritious bread, and a great variety of rolls, griddle cakes, etc. In stock feeding also it is coming rapidly to the front, as it has a large content of protein. Its cultivation does not differ materially from that of the ordinary wheats, and it will thrive on soils too poor for the latter. Five pecks per acre are sufficient for the good, rich lands, while a poorer soil requires at least six pecks. The grain should ripen fully before thrashing, and it is recommended that the thrashing be made from the shock.

Macaroni Wheat was originally imported from Algeria by the United States Department of Agriculture, and has been very successfully grown in the dryer portions of Minnesota and the Dakotas, where ordinary wheat would not produce a paying crop. The highest authorities are enthusiastic for the future of this wheat. They say the claim that it will yield 25 to 50 per cent. more than the ordinary varieties is entirely conservative. In Washington state it has been given extended trials and has fully come up to expectations. It is a thorough fall wheat, standing winters well and being the heaviest in gluten of any wheat raised in this state.

We put up Macaroni Wheat in bags of 125 lbs. at \$3.50 per bag, sent at purchaser's expense.

DWARF ESSEX RAPE

Rape is the best summer feed for sheep, hogs and poultry during the months when everything else has dried up. It is also excellent as a soiling crop. If sown in May it is ready for pasturage in July and August, or sow it about the first of June and have it ready for the first cutting in about six weeks. Two crops more can be cut during the summer. The Rape is fed green and stock can be turned in on it, but this is a wasteful method. By cutting with a scythe or mower every bit of the fodder is eaten. Many

stockraisers in the east pasture sheep on rape in the field by fencing off small lots and alternating in grazing. Others build movable fences and confine the sheep to one plot at a time. The animals should have

free access to salt at all times while being pastured on the Rape, and care must be taken to guard against bloating. Rape has very high feeding value, and at least a small patch should be on every farm. Seed should be sown at the rate of 5 lbs. per acre. A fair yield will be 25 to 30 tons of green fodder to the acre. It may be sown in the fall, mixed in with rye, oats or wheat, and will come up after the grain is cut, making splendid green feed. Five cows per acre can be kept on green, succulent feed during the dry months.

Prices: Per lb., 15c.; 10 lbs., \$1.00; 100 lbs., \$7.50, at purchaser's expense for freight.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

CORN WHEAT

The Hog Feed of Washington

Corn Wheat produces a good crop on light, poor soil. It is more especially adapted to the interior and is not an entirely satisfactory crop west of the Cascade Mountains, but on light, semi-arid soils it will produce more and better hog feed than any other grain except corn, and can be grown in those sections where corn will not thrive, as the summer moisture and the hot nights so necessary for a corn crop are not required for Corn Wheat. During the past season we have sold Corn Wheat in every state west of the Mississippi River and from every point come nothing but praises of this wonderful grain. Last year we were unable to fill all the orders, and many had to go without, so kindly get your order in early if you do not wish to be disappointed.

For cultural directions get a copy of Lilly's Crop Book, sent free with all 25c or larger orders, on request.

Price: 1 lb., 10c; 10 lb., 75c.; 100 lb. \$5.00. Freight extra.

SPELTZ

or

EMMER

A valuable new grain
From RUSSIA

Has proven of great value and it is now listed by almost all of the leading seedsmen. It is botanically known as *Triticum Spelta* or *Emmer*, and is supposed to be the grain grown in Egypt in the time of Moses. It is mentioned several times in the Bible. For centuries past it has been grown in a limited way in eastern Russia, near the Caspian Sea, its value not being known to the civilized world. Nine years ago an emigrant from there brought some to this country, and it yielded more than wheat, rye, barley or oats. It is of high value for feeding and will make a fair grade of flour somewhat similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it. It will make a good crop with almost any condition of soil or climate. It makes excellent pasture and good hay if cut at proper season. Yields 70 to 100 bushels of grain to the acre besides several tons of the straw which is good for feeding. The grain is claimed to be much richer than corn for feeding and of superior quality for fattening of hogs, cattle, sheep, poultry, etc. It may be sown in the fall but is usually sown in the spring, 50 to 75 pounds per acre. It stools out wonderfully.

Price: Lb., 10c.; 10 lbs., 40c.; 50 lbs., \$1.75; 100 lbs., \$3.00

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L. & B. GRASS MIXTURES

FOR HAY

FOR PASTURE

*Common
Sense is
Used in
their Making Up*

*Each Order
Filled to Suit
the Section in
Which It is to be Sown*

WHY A MIXTURE SHOULD BE SOWN.—Whether for hay or for pasture, there are many advantages to be obtained by sowing a mixture. The up-to-date farmer, as well as the agricultural college, advocates sowing a number of species at one time. Each grass lives, to a great extent, on different constituents. The season that would completely check the growth of one variety of grass will act as an encouragement to some other variety, so that with a mixture failure is practically impossible. This mixture must be so composed as to make a solid turf. If a large portion of tufted or bunchy grasses are used bottom grasses of more spreading habit must be intermingled so as to fill the spaces and make a compact, even growth. It is also desirable to use those kinds that make a rapid growth after each cutting. In a mixture for hay, such grasses should be used that will all mature about the same time, while for a pasture mixture the chief requisite is that early, medium and late varieties should be used together, so as to furnish continued grazing the entire season. About 40 lbs. of either mixture will be sufficient to sow an acre, but for an extra good stand 50 to 60 lbs. could be used to advantage.

HOW TO SOW—The L. & B. Pasture Mixture will produce one good crop of hay each season and can then be pastured the balance of the year. Before being sown it should be thoroughly stirred, as the heavy seeds will settle to the bottom during transit, and unless the seed is thoroughly mixed your field is apt to be spotted. At least 20 pounds should be sown per acre and twice this amount will give better results. Although this mixture will do well sown early in the spring, results will be much better if sown in the fall. The grasses composing this mixture are deep, fibrous rooting, thus insuring a good pasture during the driest spells, and a tough matted sod that will stand twice the pasturing that the ordinary sod will; in fact, almost impossible to kill out by over-grazing.

The L. & B. Hay Mixture has the same good qualities as the pasture mixture, but the grasses used are tall growing and all mature at about the same season, so that they are all ready to cut at the same time.

The L. & B. Pasture Mixture is prepared on the same general lines as the Pasture Mixture, but with the view of meeting the requirements of the hog pasture. It will furnish a rich, nutritious pasture when the ordinary pastures are dried up.

HOW TO ORDER—In ordering, be sure to give a description of the land you intend sowing, the kind of soil, whether high or low and whether you have much or little rainfall. We take all these conditions into consideration, and every lot we send out is prepared expressly for the customer ordering. This necessarily takes a little extra care, but it is the only way to give satisfaction, so kindly allow a couple of days on your order if possible.

Prices: Pasture Mixture, \$10.00 per 100 lbs. Hay Mixture, \$12.00 per 100 lbs. Hog Pasture Mixture, \$12.00 per 100 lbs. Transportation to be paid by purchaser.

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HOLLY BRAND TIMOTHY SEED

Timothy (*Phleum Pratense*) is too well known to call for any extended description. It ranks by far the most important of hay grasses in this country. On moist, loamy soil it produces a larger hay crop than other grasses, but should not be sown on light, sandy soils, to which it is unsuited. Its hay is very nourishing and can be kept in stack for a long time. It should be cut when flowering in order to get its hay at the most tender, though ripe, stage. Mixed with Red Clover the nutritive value of timothy is greatly enhanced. It grows to a height of 2 to 3 feet. A bushel of seed weighs 45 lbs., and when sown alone not less than one-half bushel should be used.

There are so many varieties of timothy on the market, most of them absolutely valueless, that great care must be exercised in buying. The seed put up by us under the Holly Brand we guarantee as being fresh and absolutely free from weed seeds and foreign matter of all kinds. It is strictly first class. If, upon arrival, the

seed is not found as represented, it can be returned to us at our expense and we will refund the price paid. This specially packed seed costs more than the ordinary kind, but for those who are particular as to what they get, the extra cost per acre is an item so small as well worth the investment.

Sold only in 125-lb bags at \$8.00 per hundred; price subject to change.

HOLLY BRAND RED CLOVER

This is one of the most valuable farm crops for pasture, soiling, hay or for turning under for green manure. It requires a deep rich soil, and under proper conditions yields two hay crops in a season. The amount to sow for an acre is about 15 pounds, but more may be used if an extra thick stand is desired. The Red Clover that we put up is something in which we take an especial pride. All our seed is run through our Improved Seed Cleaner and is put up in sacks and sealed with a lead seal. In making purchases look for the red and green twine used in sewing up the sack and see that the lead seal is there, then you may be certain of getting an article of the highest grade. We absolutely guarantee that every bag of Red Clover put out under the Holly Brand, and that has not been tampered with, has been thoroughly recleaned, that all weed seeds, shriveled or undersized seeds and foreign matter have been removed, and that the seed is of new crop and high germination. Upon this guarantee we stand, and if the purchaser finds any sack not as represented he has but to return it at our expense and get his money back. Do not confuse our Holly Brand Clover Seed with the cheap seeds placed on the market without recleaning and sold in bulk. Look for the Holly Brand and the lead seal.

Prices of Holly Brand Red Clover Seed furnished on application. There is too much fluctuation in the market to name any price here.

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ALFALFA OR LUCERNE

(Medicago Sativa)

Alfalfa is the most valuable of all hay crops where the soil is adapted to its growth. It requires a deep, well-drained soil. If there is an excess of water, either in the soil or on the surface, the plants are quickly killed. The roots penetrate very deeply, consequently Alfalfa is a great drought-resisting plant. It should be sown alone, in thoroughly prepared, deeply plowed soil, at the rate of 15 to 25 lbs. to the acre. The crop should be cut when the plant is coming into bloom. On suitable soils the plant is perennial, and several crops may be cut every year. For this reason great care must be exercised in getting the best seed, free from all weed seeds. The seed that we offer comes direct from Utah, where the best alfalfa is grown, and it is run through special cleaning machinery, thus insuring you a strictly choice article. As Alfalfa is usually sown on new land the planter can well afford to pay two or three cents extra per pound and get the very best quality of seed. Write for prices on any quantity of seed that you may desire.

Common, choice.—Lb., 20c.; 10 lbs., \$1.90; 100 lbs., \$18.
Turkestan.—Lb., 30c.; 10 lbs., \$2.50; 100 lbs., \$22.40.

Italian Rye Grass—*Lolium Italicum*

An excellent grass for that section of the Pacific Coast west of the Cascade Mountains. It is especially valuable for pastures and should be used in every mixture. Develops very rapidly, giving a good stand the first year and the first cutting may be had early when sown on good land. Italian Rye Grass remains green throughout the winter, and stands drought well. It makes a good dense turf when sown thickly, and is one of our most valuable grasses for temporary meadows on soils that are neither too dry nor too stiff. It attains a height of about 1½ to 2½ feet. A bushel of seed weighs 22 lbs. and at least 50 lbs. is required for an acre.

Prices: Lb., 15c.; 10 lbs., \$1; 100 lbs., \$9.

Orchard Grass—*Dactylis Glomerate*

This grass thrives on almost any land where there is sufficient moisture. It is a rank grower and produces the earliest pasture of any of our well known grasses. Yields a large crop of excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. It stands considerable shade and is recommended as a pasture grass for woodlands. In sowing for hay Orchard Grass should be mixed with some other grasses, otherwise it makes tufts or bunches which are hard to mow over. When sowing for hay it is well to pasture the meadow for a month or more, which will make the hay crop come later in the summer, but does not lessen the crop. Orchard Grass grows to a height of three feet, and the seed weighs 14 pounds to the bushel. Sow three or four bushels to the acre.

Prices: Lb., 20c.; 10 lbs., \$1.60; 100 lbs., \$15.

Directions for preparing land and sowing grasses and grains are given in **Lilly's Crop Book**, a free copy of which may be had on request with 25c. worth or more of seeds.

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Red Top (*Agrostis Vulgaris*)

FOR WET LANDS

Red Top is a hardy native perennial grass and succeeds best on moist soils. It adapts itself to a variety of soils, however. It is one of the most permanent grasses in existence and is to be found in many native pastures. It remains green for the greater part of the year, and its long trailing stems form a very close, matting turf that is not affected by trampling. Its height is between 1 and 2 feet, and the seed usually weighs 14 lbs. to the bushel. There is another quality, consisting of solid seed free from all chaff and of course a bushel of this would weigh much more than 14 lbs. About 30 lbs. of prime seed will sow an acre, while 15 lbs. of the choice grade will generally be sufficient. Red Top mixed with Orchard Grass, Meadow Fescue, Alsike Clover and White Clover forms an excellent pasture mixture, and one which will give the best results on wet land west of the Cascade mountains. Red Top does not do well in Eastern Washington or Oregon, nor, in fact, on any land that has a trace of alkali, but on wet or sour soil it makes the best growth. To get the best results, either for pasture or meadow, it must be mixed with other grasses.

Brome Grass (*Bromus Inermis*)

FOR DRY LANDS

Bromus Inermis is an erect perennial, 3 to 5 feet in height, and is consid'ed red one of the best hay grasses. In the illustration may be noted the large amount of foliage, as compared with the other grasses of its class. This is what makes it valuable. It is strongly stoloniferous, its creeping root stocks spreading rapidly under ground and giving out new plants. For temporary meadows it is not recommended, on account of the difficulty of eradicating it, but where a permanent meadow is desired this is an excellent grass. It is best adapted to dry, arid soils, where other grasses will not grow. Where Red Top will not grow *Bromus Inermis* will thrive well. This grass should be in every mixture of light, sandy soils and will do well on scab land. The first year's crop will not be large, for it is then sending out the mass of roots that makes it of such great value when fully established. From 35 to 40 pounds to the acre is sufficient to sow. A bushel has about 12 lbs.

For prices see list of Grass Seed.

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Columbia

Brome Grass

Will yield two or three big crops of hay each season, and is especially adapted to the Northwest.

Columbia Brome Grass is a hardy perennial, growing 2 to 3½ feet high, and is rapidly coming into favor for meadows. The hay made from this grass is very nutritious and is greedily eaten by stock. Columbia Brome Grass produces a heavier yield than Timothy, and can be cropped year after year. It is very hardy and will stand the coldest weather in Oregon or Washington. This grass will do fairly well if planted in the spring, but much better if sown in the fall. It improves year after year and is one of the most valuable grasses for permanent pastures. Sow 15 to 20 lbs. to the acre.

Mr. P. A. Anderson, of Bothell, Wash., says that he sowed 15 pounds of Columbia Brome Grass on March 7th, and on June 20th cut a heavy crop of hay that made a better yield than any oats he had ever grown. He then had a good pasture the balance of the season.

Price: 1 lb., by mail, 45c.; 10 lbs., @ 30c. lb.; 100 lbs. @ 25c. lb.

PHALARIS

Will Grow on the Wettest Land You Have

A grass that will grow on stiff wet land, even if the ground is overflowed for a month or six weeks. It also does fairly well on dry, sandy soils. It is little affected by either drouth or cold and thrives well in the shade. The roots are very strong and creep extensively, making this grass particularly valuable for binding river banks. Makes a good hay if cut early in the season. A bushel of Phalaris weighs about 30 lbs., and this will be sufficient for three acres of ground.

Price: Pkg., 10c.; ½ lb., 45c.; 1 lb., 80c.; postage paid. By freight, 1 lb., 80c.; 5 lbs., \$3.75; 10 lbs., \$6.60.

CANADIAN BLUE GRASS

(POA COMPRESSA)

This is a very hardy perennial grass, with creeping rootstalks, making a close and durable turf of fine texture. It will grow on poor and dry soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green till the severe frosts of winter. This Blue Grass is distinguished from the Kentucky Blue Grass by its flattened wiry stems and its decidedly bluer color. It grows to a height ranging from 6 to 18 inches, and when once established makes a fine pasture. A bushel of seed will weigh about 14 lbs., and three bushels are required to sow an acre. For prices see list of Grass Seed.

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The field shown in this cut was planted Oct. 2nd, 1901, cut for seed Aug. 1st, 1902, and second crop was ready to cut for hay Oct. 6th, 1902, when photo was taken.

GRASS SEED

The prices named in this list do not include postage. To have Grass Seeds sent by mail add 5c. per pound. Large quantities go cheaper by freight or express. Prices subject to change. Special quotations on large quantities.

PRICES
Do Not Include Postage.

	Wt. per bu	Lb.	10 lb.	100 lb.
We have the ONLY complete up-to-date plant in the Pacific Northwest for handling and recleaning of farm seeds. We would be glad to have our customers go through our seed cleaning warehouse and satisfy themselves that we are able to give satisfaction to the most particular. The seed we are offering you is all new crop.				
Awnless Brome Grass (Bromus Intermis)—(See special description and illustration on page 53).....	14	.20	1.50	14.00
Bermuda Grass (Cynodon Dactylon)—Of value in the Southern States but does not thrive north of Central California.....	35	.85	7.50	65.00
Canada Blue Grass (Poa Compressa)—(See special description on page 54)	14	.20	1.70	15.00
Cheat (Bromus Secalinus)—This is an annual grass planted very generally all over the Pacific Northwest. It is a rank grower and will withstand considerable wet weather; produces a large quantity of very fair hay. Write for prices.....	14	.35	3.00	25.00
Columbia Brome Grass—(See description and illustrations on page 54).....	14	.30	2.70	25.00
Creeping Bent Grass (Agrostis Stolonifera)—Excellent for lawns; succeeds well in most situations.....	20	.30	2.70	25.00
Crested Dog's Tail (Cynodurus Crisatus)—Should enter in moderate quantity in permanent pasture mixtures and in larger quantities for lawns, as it possesses in a marked degree all the desirable features of a good lawn grass.....	21	.60	6.50	50.00
English Rye Grass (Lolium Perenne)—A valuable grass where quick results are desired, as it grows rapidly and makes a good showing within a month from time of sowing.....	24	.15	1.00	9.00
Espartette, or Sainfoin—A deep-rooting perennial legume, good for soils too barren for Clover or Alfalfa.....	14	.20	1.70	15.00
Fine Leaved Fescue (Festuca Tenuifolia)—The finest bladed grass and valuable only for lawns.....	12	.25	2.20	20.00
Hard Fescue (Festuca Duriuscula)—A dwarf growing grass of great value, succeeding well in dry situations, forming a dense fibrous mat.....	12	.25	2.20	20.00
Hungarian Grass (Panicum Germanicum)—Is valuable forage plant; an annual.....	48	.10	.60	4.75
Italian Rye Grass (Lolium Italicum)—(Special description on page 52)...	18	.15	1.99	9.00
Johnson Grass (Sorghum Halapense)—A valuable meadow or hay grass for the south, but is of no use in the Northwest.....	25	.25	2.00	17.00
Kentucky Blue Grass (Poa Pratensis)—Fancy or double extra clean. A highly valued grass for pasture or lawn.....	14	.20	1.50	13.00
Meadow Fescue (Festuca Pratensis)—Of great value for mixtures for permanent pasture.....	22	.15	1.00	9.00
Mesquite or Velvet Grass—A rank growing grass that will produce a very heavy crop on very poor land, but once in it is almost impossible to get rid of it, and is not a nutritious grass. We do not advise planting this where any other grass can be sown. Prices on application.....	14	.20	1.60	15.00
Orchard Grass (Dactylis Glomerata)—(See special description on page 52)	30	.80	7.50	65.00
Phalaris—(See special description on page 54).....	14	.40	3.50	30.00
Red or Creeping Fescue (Festuca Rubra)—Forms a close, rich sod and is valuable in lawns.....	32	.15	1.40	12.00
Red Top—(See special description and illustration on page 53).....	14	.50	4.50	40.00
Rhode Island Bent Grass (Agrostis Canina)—A very fine variety for lawns.....	14	.15	1.00	9.00
Rough Stalk Meadow Grass (Poa Trivialis)—Excellent for pastures and meadows; particularly on damp soils.....	14	.15	1.00	9.00
Sheep's Fescue (Festuca Ovina)—Short and dense in growth; excellent for sheep's pastures; valuable also for lawns and pleasure grounds.....	12	.25	2.00	15.00
Sweet Vernal True Perennial (Anthoxanthum Odoratum)—Emits an agreeable odor which it imparts to the hay.....	10	.25	2.00	15.00
Tall Meadow Oat Grass (Avena Elatior)—Recommended for soiling, being rapid and luxuriant in its growth; also of great value in permanent hay mixtures.....	10	.25	2.00	17.00
Timothy—See special description and illustration on page 51).....	45	.10	.75	6.25
Wild Rice—Grown large by sportsmen to attract ducks and geese to the feeding grounds.....	20	.25	2.25	20.00
Pearl Millet or Pennicaria—Valuable in the Southern States, but of little use in the Northwest.....	56	.10	.50	4.00
German Millet—The most useful of all the Millet family. We have our seed stock especially grown for us and can recommend it as being strictly first class.....	50	.10	.50	4.00
Japanese Millet—Called by some "Billion Dollar Grass." Grows to a height of 6 to 8 feet and yields 12 to 20 tons per acre. It may be siloed, fed green or cured for hay; is a rank grower. Adapted only to that section east of the Cascade Mountains.....	50	.10	.60	5.00
Hungarian—A well known and popular variety.....	48	.10	.60	5.00
Siberian—This is a comparatively new variety from Russia and it is said to be ahead of either German or Hungarian Millet for earliness.....	50	.10	.60	5.00

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GRASS SEED

Only the Highest Grades of Grass Seed are offered by us at these prices. Quotations are subject to market changes. Special prices on large lots will be forwarded to any of our customers on request.

PRICES			
Do Not Include Postage.			
Add 8c. per lb. if by mail.			
Wt. per bu.	Lb.	10 lb.	100 lb.

PASTURE GRASS MIXTURE—(See special description on page 50.)

No. 1—For wet bottom lands; sow 15 to 20 pounds per acre.....

No. 2—For dry uplands and burns west of the Cascades; sow 20 lbs. per acre.....

No. 3—For dry, sandy soil east of the Cascades; sow 15 lbs. per acre.....

HAY MIXTURE—(See special description on page 50.)

No. 1—For wet bottom lands; sow 20 lbs. per acre.....

No. 2—For dry uplands, heavy soil; sow 15 to 20 lbs. per acre.....

No. 3—For dry uplands, light, sandy soil; sow 20 lbs. per acre.....

HOG PASTURE MIXTURE—(See special description on page 50.)

LAWN GRASS MIXTURES—

Nonpareil—(See special description on page 76.)

Shady Side Lawn Mixture—This will make a perfect lawn where ordinary seed would be a failure.....

Central Park Lawn Mixture—For use where a large space is to be sown and highest excellence is not necessary. Write for prices.....

CLOVER SEED

Alfalfa or Lucerne (Medicago Sativa)—(See special description, page 44).....

Turkestan Alfalfa—A hardy variety introduced from Russian Turkestan; endures drought well and is not easily affected by freezing; also gives better results on strong alkaline soils than the common Alfalfa.....

Red Clover (Trifolium Patense)—Should be sown 8 to 12 lbs. per acre. There is probably no other seed that is so much adulterated as Red Clover, and strictly first class seed is hard to get. We put up our Holly Brand seed in sealed bags, having a lead seal on each bag.....

Alsike Clover (Trifolium Hybridum)—Very valuable both for hay and pasture, especially on land too wet for Red Clover; sow about 8 lbs. per acre.....

Crimson or Scarlet Clover (Trifolium Incarnatum)—Of great value for sowing in the fall to be plowed under in the spring; sow about 15 lbs. to the acre.....

White Clover (Trifolium Repens)—Should be used in all mixtures for pasture or lawn. Will do well in shaded places; sow 8 or 10 lbs. per acre.....

Mammoth Clover (Trifolium Perenne)—Not so good as Red Clover on rich soil, but on poor soil will give a much better yield.....

Bokhara or Sweet Clover (Melilotus Alba)—A woody and unpalatable plant grown chiefly for honey bees.....

FORAGE PLANTS

Buckwheat, Japanese—The best and most profitable variety in cultivation; excellent for bee pasture.....

Dwarf Essex Rape (Brassica Napus)—A most valuable plant if you want green feed in summer; produces an abundance of foliage during July and August. Send for our pamphlet, giving full description.....

English Field Bean—Produces a heavy yield, and, being a legume, is a soil improver; hogs, horses and chickens are very fond of this bean, and it is the equal of corn as a fat producer.....

Canadian Field Pea—This Pea and the Spring Vetches are the most valuable plants for the farmer of the Pacific Coast. The Field Pea should be sown in the early spring, using about 1 bushel per acre and an equal amount of Wheat, Barley and Oats, the latter being preferable.....

Blue Express Pea—Claimed by many to yield more heavily in vines than the Canadian, but the yield of grain is somewhat less.....

Spring Vetches (Vicia Satavi)—An ideal plant for dairymen and farmers west of the Cascade Mountains and north of California. In England this plant has been cultivated longer than any other forage plant and is still grown very extensively. It should be sown about 50 lbs. per acre. Vetches do equally well planted in the fall or spring.....

Australian Salt Bush—Of value on strongly alkaline soils in the south, but will not resist the winters north of Central California.....

Hairy or Sand Vetches—Well adapted to light, sandy soils, where it is of great value. It does not, however, seem to thrive west of the Cascade Mountains; should be sown about 30 lbs. per acre with some nurse crop.....

Cow Peas—The most reliable and valuable of all plants in the South, and are being grown farther north each year. We have seed acclimated to the Northwest which will give much better satisfaction than the ordinary seed.....

Soy or Soja Bean—This requires about the same soil and temperature as Corn, and will do well anywhere that Corn will thrive. We have an exceedingly early variety to offer.....

Teosinte—A rank growing annual plant, resembling Indian Corn in appearance and attaining 8 to 12 feet in height. Requires a moist, rich soil and does not do well far north, being a native of the south.....

SEED GRAIN

PRICES			
Do Not Include Postage.			
Wt. per bu.	Lb.	10 lb.	100 lb.

ONLY CHOICE RE-CLEANED GRAIN SOLD BY US. Send for samples. Prices always subject to Market Fluctuations.

We handle annually hundreds of carloads of Wheat, Barley, Oats, and other Grains, and as these pass through our war-house the very choicest are saved out for seed. This is then run through our latest improved cleaning machinery. We can, therefore, offer you Seed Grain that is absolutely free from foul seed, of high germination and from which all light and undeveloped seed has been screened or blown out. We make our price as low as we possibly can for the grade of seed offered and prices are therefore subject to change, according to market quotations. Prices on ton lots will be quoted on request.

OATS—

Eldorado King —(See special description on page 45.)	32	.....	.....	.....
American Banner . One of the popular varieties of oats in the Northwest. Stands up well in wet weather and has a short kernel, plump and light yellow in color.	32	.....	.....	2.00
Black Alaska —(See special description on page —)	32	.....	.....	.....
Lincoln —A popular Oat a few years back, being early and a good yielder. Not inclined to lodge.	32	.....	.....	2.25
Mortgage Lifter —Claimed by some to do exceedingly well for the Northwest. However, we find that the Eldorado King and Black Alaska are superior.	32	.....	.....	2.25
Oregon Winter —A good variety adapted to the Northwest. The grain is short and plump, and the hull thin, making it a good milling oat.	32	.....	.....	2.25

WHEAT—

Hard Spring Wheat —This is especially selected and has proven superior to the sorts generally planted. It is semi-hard, very early, of remarkably good quality and a big yielder. Put up in 125 lb. bags. If wanted in ton lots write for prices.	48	.05	.30	2.00
Pedigree Blue Stem —A Wheat that will always give the utmost satisfaction. There is no other Wheat that will equal this in quantity and certainty of yield. Put up in 125 lb. bags.	48	.05	.30	2.00
Macaroni Wheat —This has steadily been growing in popularity the last few years, especially in the Northwest. It is exceedingly hard; will do well with less rainfall than any other, and is a very strong Wheat, and is the only variety used by macaroni manufacturers. Put up in 125 lb. bags.	48	.10	.70	4.00
Corn Wheat —(See special description on page 49.)	48	.10	.75	5.00

RYE—

Spring Rye —A valuable grain as a catch crop, especially with Vetches or Field Peas. We wish to call your attention to the seed we are offering. It is free from any foreign seeds, plump, and every kernel will grow.	56	.05	.30	2.00
Winter Rye —A good stock of re-cleaned seed, plump and full. Most seedsmen pay but little attention to seed grain and especially Rye. They send out whatever they can first get hold of. We have gone to great expense to fit up our cleaning machinery, and now we offer you seed that is far cheaper in the end than common stock.	56	.05	.30	2.00
Speltz or Emmer —(See special description on page 49.)	.....	.....	.....	.....

BARLEY—

White Hullless Barley —To the farmer of the Northwest what Corn is to the farmer of the Middle States. (See special description, page 47.) Put up in 125 lb. bags.	48	.05	.30	2.00
Beardless Barley —Very early and free from beards; an excellent grain for Hay, producing a crop that will give the greatest feeding value; for work horses there is no other Hay that will touch Barley, its only objection being the beards, and now with Beardless Barley this is overcome. The grain is somewhat disappointing in looks, not being as plump as Common Barley. Put up in 125 lb. bags.	48	.05	.30	2.00
Fall aBarley —Specially selected and re-cleaned for seed. Will be glad to forward samples on request. Put up in 125 lb. bags. If wanted in ton lots write for price.	48	.05	.30	2.00
Hanna Two-Rowed —A popular Barley, with heads of great length, curving slightly when matured; the grains are large and plump. It yields enormously. Guy McL. Richards, manager of the famous Beachview Farm at Oak Harbor, says the Hanna Two-Rowed Barley outyielded the other Barleys 25 per cent. The grain was large and plump, the beards soft and the sacks weighed 130 lbs. to 140 lbs. each. In the future Mr. Richards will plant no other variety of Barley.	48	.05	.30	2.00

**..TO OUR..
CUSTOMERS**

Our Seed Grain is all put up in bags and prices for 100 lbs. are based on bag lots. On all Seed Grain when less than bag lots are ordered add one cent (1c.) per pound. Prices on Farm Seeds are subject to change. We send full value at market price the day the order is received.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

HARDY**ROSES**

Hybrids, Perpetuals, Etc.

Anne de Diesbach—Very large and showy, particularly fine in bud.

American Beauty.—One of the largest and most beautiful of the hardy Roses. Flowers very large and double, delightfully fragrant. Color a rich, rosy crimson. Plant a strong grower and a continuous bloomer. But it will make a much stronger growth if not allowed to bloom the first summer. Each shoot produces a bud. This rose does not do well out doors in Western Washington.

Baroness Rothschild—Pale, delicate rose, shaded white. Marvelously beautiful.

Clio—Flowers large, of fine globular form, flesh-colored, shaded with rosy pink; foliage handsome. One of the newest roses.

Coquette des Blanches—Pure white, sometimes delicately shaded with pink.

Coquette des Alps—Pure white flowers in clusters.

Dinsmore—Flowers are large and perfectly double; color, rich crimson scarlet, showy and handsome, delightfully fragrant. A very popular rose.

Fischer Holmes—Rich dark scarlet; large flowers.

General Jacquemont—Rich velvety crimson; very fine.

General Washington—Crimson. A popular rose; flower flat and fine color.

John Hopper—Brilliant rose-pink, cup shaped flowers.

Louis Van Houtte—Rich crimson; one of the best dark roses.

Magna Charta—A general favorite. The color is bright pink and suffused with carmine.

Mrs. John Laing—Beautiful soft pink, very free flowering.

Paul Neyron—Deep shining pink; considered the largest pink rose. From its remarkable size it is known as the Cabbage Rose; is almost thornless.

Prince Camille de Rohan—Velvety crimson, shaded scarlet.

Queen of Edgley—"Pink American Beauty." Resembling American Beauty in every particular except the color. It is a strong, vigorous grower with a type distinctly its own.

Ulrich Brunner.—Bright cerise red. A magnificent rose; fine globular shape.

Xavier Olibo—A magnificent rose of fine color. Its shade of violet crimson is not to be found in any other rose. Finest of all dark red roses.

Mabel Morrison—The petals are like beautiful pale pink shells.

PRICES: Large plants of all varieties on this page; 35c. each; \$3.50 doz.; Second size, 25c. each; \$2.50 per doz.

**OUR
ROSES ARE
GROWN
OUTDOORS**

Special 10c Roses

We grow the following popular varieties in large numbers and send small plants of any at 10c. each or \$1.00 per dozen.

**Hermosa, Crimson Rambler
Papa Gontier, Caroline Testout, Gold of
Ophir, Madam Alfred Carrier
Reine Marie Henrietta
Homer, La France**

Tea Roses

TEA

ROSES

Admiral Dewey—A Hybrid Tea rose, new variety. The flowers are large and fragrant and produce on long, stiff stems; color a beautiful rich carmine.

Bon Silence—A favorite on account of its delightful fragrance and strong growing qualities. Color a deep rose, shaded carmine. Valuable both for summer and winter flowers.

The Bride—A pure white Tea Rose; flowers large and double.

Bridesmaid—Free and constant bloomer, flowers large and delightfully scented; color clear rose pink.

Burbank—This is said to be the freest flowering rose in cultivation. Flowers are double and nearly three inches across; color rose pink, shaded at the center.

Clothilde Soupert—Famous pot and bedding rose; petals pearly white, center shaded with red. Its delightful fragrance, wonderful vigor and freedom of bloom combine to make it a most beautiful rose.

Coquette de Lyon—One of the hardiest of the Teas and may be had in bloom the entire year by proper treatment; flowers very sweet scented and of a rich golden color.

Duchess of Albany, or Red La France—Resembles La France, but the bud is more perfect in contour; fine for forcing or growing in the open air.

Franciska Kruger—A strikingly handsome rose, especially adapted for beds or masses. The splendid flowers are deeply shaded copper yellow in color.

Grussin Teplitz—"The reddest of all the red roses." A strong grower, blooming continuously; flowers good sized and delightfully fragrant.

Helen Gould—(Balduin). One of the best ever blooming roses ever introduced. Its color is quite attractive, being a soft, intense carmine.

Homer—Flesh colored rose, edged with lilac rose; one of the best Teas.

Isabella Sprunt—Light canary yellow; extra good bloomer.

Kaiserin Augusta Victoria—A royal rose, the finest of its class. Succeeds splendidly out of doors.

La France—One of the finest of roses. A universal favorite. A constant bloomer, very sweet scented; rose-color, with silvery lustre.

Maman Cochet—One of the most valuable pink roses introduced for outdoor blooming.

Mme. Caroline Testout—A clear pink. Much like La France, but a stronger grower, larger flowers, better formed. Probably the hardiest of all the hybrid perpetuals. Well adapted to Western Washington.

Mrs. Robert Garrett—A rose that has occasioned more flattering comments than any one of its class. A beautiful shade of glowing rose; fine for any use.

Papa Gontier—Very popular. A brilliant carmine, changing to pale rose; fine bloomer and one of the best of all roses.

Perle des Jardins—Very large and perfect in form. Deep straw color. This is a profuse bloomer and very fragrant.

Safrano—An old favorite; magnificent deep fawn colored Rose, changing to light fawn when open.

Souv. de Pres. Carnot—The flower has large, thick shell-like petals; buds long and pointed, borne on stiff, erect stems; color delicate rosy flesh.

Souv. de Wooten—A brilliant magenta red rose, shaded violet crimson; flowers large, full and regular, with leathery petals; a delicious tea scent.

Striped La France—A creamy pink, with a silvery gloss; each shoot produces a bud.

White La France—A beauty, indeed, identical with La France, except the color. Also like Maman Cochet, except in color.

White Maman Cochet—Like Maman Cochet, except in color, which is snow-white; flowers large and double.

PRICE: Large plants of any variety on this page: 35c. each; \$3.00 dozen; Second size, 25c. each; \$2.50 dozen.

For small plants see next page.

WE MAKE
ROSES
OUR
SPECIALTY

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Climb-
ing

ROSES

WE WILL
REPLACE
ANY OF OUR
ROSES
THAT DON'T
GROW

Climbing Roses

Baltimore Bell—Grows 15 feet high and covered with clusters of large double pale pink flowers. Your yard is not complete without this grand rose.

Cherokee—Single or double. Pure white climber, very beautiful; evergreen; blooms most in the spring.

Crimson Rambler—A Japanese Rose. Superb climber with remarkably brilliant crimson flowers. Its bright, green foliage contrasts finely with the crimson of the Rose.

Climbing Bridesmaid—Free constant bloomer; flowers fine; regular, full form; color rose pink. This is excellent for cutting.

Climbing Clothilde Soupert—Very hardy, growing 15 feet in one season. Flowers large double shell-pink; blooms all summer.

Climbing Kaiser in—(Mrs. Robert Peary.) Grandest of all climbers. A pure-white double, ever blooming Rose.

Climbing La France—Hardy, with satiny pink color.

Climbing Souv. de la Malmaison—Rich, flesh color; beautifully shaped flowers.

Climbing Souv. de Wootton—Bright, magenta red. Flowers very large, full and regular, with thick leathery petals and delicious tea-scent.

Dorothy Perkins—As hardy as Crimson Rambler. Flowers are very double, with petals rolled back and crinkled; color shell-pink.

Empress of China—Free flowering, climbing rose; soft rose red.

Gold of Ophir—(Beauty of Glazenwood.) Bright salmon and fawn flowers, having long beautiful buds. Color creamy white, tinged with Golden yellow and clear rose. Very valuable for forcing under glass.

Lamarque—Pure white with shaded sulphur-yellow center. A magnificent climber and most popular rose.

Marechal Niel—The immense size, dark golden yellow color of the Marechale Neil is familiar to all. Peerless in color, unexampled for size, perfect in form. After more than a quarter of a century, it still remains the ideal climbing Tea Rose. It requires a warm situation.

Mme. Alfred Carrier—Color creamy white, faintly tinged with pale yellow and soft pink; extra large very double and sweet. The strongest grower of all.

Philadelphia Rambler—Differs from Crimson Rambler in two particulars: First, color is brighter and deeper; second, flowers are double to the center; very hardy rose and blooms freely and abundantly.

White Banksia—Pure white, very double small flowers growing in sprays of wreaths.

Yellow Banksia—Clear yellow, small and very double flowers.

Yellow Rambler—Flowers borne in clusters after the same manner as the Crimson Rambler. The color is a decided yellow, flowers very sweetly scented. It is a rampant grower and the hardest of all yellow climbing roses.

White Rambler—Almost the same as Crimson Rambler, except that the flowers are pure white and sweet scented.

Pink Rambler—Color a clear pink, and when mature the flowers often change to a creamy white.

Prairie Queen—Clear, bright pink. A favorite with everyone. Blooms in clusters with flowers very full and double; fine for parties.

Reine Marie Henriette—Color clear, cherry red; large, compact, finely formed flowers; very full and regular, borne in clusters and tea-scented; always in bloom through the summer.

Reine Olga de Wurtemberg—Must be seen to be appreciated.

Reve D' Or—Deep yellow, large and full.

Seven Sisters—Rapid climber; flowers grow in clusters of seven; color clear pink.

William Allen Richardson—Orange yellow; flowers small.

PRICES: Large plants of any variety on this page, 35c. each; \$3.50 dozen. Second size, 25c. each; \$2.50 dozen.

All our roses are carefully grown in a fine loam soil. They have an abundance of fibrous roots and all plants sent out are in good thrifty condition direct from the nursery and with roots well packed in moss. These plants can be sent by mail, but we prefer sending by express as we can then send larger plants in better shape.

We do not pay express charges. When we send by express we include enough plants free to cover express charges.

Alaska Collection of Six Hardy Roses

The Alaska collection contains only roses that are perfectly hardy. They are unequalled of their class, combining great variety, richness of color and the greatest freedom of bloom possible in a hardy rose. We believe it would be impossible to improve on this collection. In making the selection we have taken the best of both old and new varieties.

**Gen. Jacqueminot, Ulrich Brunner
John Hopper, Paul Neyron, Baroness
Rothschild, Mabel Morrison**

Any and all of these roses are perfectly hardy anywhere in the United States. They are not such free bloomers as those contained in the Brighton Collection, but for rose lovers who live east of the Cascade mountains this collection will be found to give the greatest satisfaction.

PRICE:

We will send the Alaska Collection of hardy Roses, extra large size, the six for \$1.50; second size, \$1.00, charges paid to your nearest express office.

Brighton COLLECTION OF SIX EVER-BLOOMING Roses

In this collection we have grouped together six of the best roses. They are, in our opinion, the very best half dozen of ever blooming bedding varieties it is possible to obtain. They have been selected expressly to meet the climate and conditions of Western Washington and Oregon. All are free bloomers and are perfectly hardy west of the Cascade Mountains. This collection is composed of:

**Papa Gontier, Bon Silene, Homer
La France
Caroline Testout, Perle des Jardins**

Description of each will be found on the foregoing pages.

Our aim in making this collection has been to combine the sorts that would give the greatest general satisfaction for those wishing a bed of everblooming roses. All the varieties in this collection make an even growth and make a magnificent showing when grouped together in a bed.

PRICES: We will send the Brighton collection of Everblooming Roses, extra large size, for \$1.50; second size, \$1.00, charges paid to your nearest express office.

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Collections

OF

**R
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THE BEST
OF ALL THE
OLD AND
THE NEW

FLOWER SEEDS

Complete list of the Best and Choicest Varieties adapted to the Pacific Northwest. ❁ ❁ ❁

Our Flower Seed List is made up to meet the especial requirements of the Northwest. We have made selections of flowers that do well in our section, leaving out a multitude of varieties that only cause confusion to the buyer. With the exception of Sweet Peas and one or two other varieties, all of our Flower Seeds are bought from the best grower in Germany. They are put up in Sealed Packages, and in each package are full directions for growing.

For the successful growing of flowers it is very important that the soil be in good condition. The most satisfactory method is to sow the seed first in a shallow box or pot that has been filled with a rich sandy loam. Care should be taken not to plant the seed too deeply—the finer the seed the less covering they will stand. Many of the hardier plants, such as Sweet Peas, Poppies, Nasturtiums, etc., can be sown to better advantage outdoors in the beds where they are to be permanently grown.

The few illustrations we are able to present in these pages fall far short of doing justice to the beauty of the varieties listed. The flowers must be seen to appreciate their profusion of growth and great beauty. Our Flower Seeds are carefully selected for us and we can assure our customers that they will prove satisfactory in every way when cultural directions are followed and the proper care is given them.

During the season of 1904 we tested at our Brighton Beach place every variety of Flower Seeds listed in the following pages, and we were more than pleased with the results. We found our customers had the same experience.

To those who have met with disappointments in growing flowers we would say: "Try our Choice Imported Flower Seeds one year, and you will have a garden the envy of your neighbors."

In the following pages a number will be found for each variety or mixture. Please mention the number when you order. This will insure your getting exactly the variety you order.

PLEASE MENTION NUMBER OF PACKET WHEN ORDERING.

ADLUMIA. (Mountain Fringe). A delightful climbing biennial, growing to a height of about 15 feet; blooming in midsummer. No. 219, Pkt., 10c.

ADONIS. A hardy perennial, producing bright, attractive flowers, growing to a height of about 18 inches. No. 220, pkt., 5c.

AGERATUM. Feathered annual, bearing flowers of exquisite and unusual blue shades. Used for bedding and for borders. It may be used in combination with many other flowers, lending themselves very readily to a general pleasing effect. No. 101, mixed, pkt., 5c.; No. 439, Little Dorrit, pkt., 10c.; No. 411, Imperial Dwarf, pkt., 5c.

ALYSSUM. Most beautiful and satisfactory flower; does well in the moist climate of Western Washington. No. 2, pkt., 5c. (See also Flowering Plants.)

AMARANTUS. Very strong growing and a highly ornamental plant, chiefly for its highly colored foliage. It is an annual and of rapid growth and easy culture. No. 270, Caudatus (Love Lies Bleeding), pkt., 5c.; No. 102, Tri-Color (Joseph's Coat), pkt., 5c.

ANTIRRHINUM. (Snap Dragon.) Very showy, hardy annual; a plant easy to grow, and very popular in the Willamette Valley and in the Sound, as it will stand out one winter and give lots of bloom the next season. No. 4, Tall Varieties, mixed, pkt., 5c.; No. 104, Tom Thumb varieties, mixed, pkt., 5c. (See also Flowering Plants.)

AQUILEGIA. (Columbine). Thrives well with ordinary culture, but is quite at home under the spray of a fountain or other moist location. Plants are hardy in any section and form large clumps one or two feet in diameter. Seeds may be sown in the open ground. No. 5, Tall Mixed varieties, pkt., 5c.

ARCTOTIS GRANDIS. (African Daisy). This tropical plant is easy to grow and always in

bloom in bright sunshine, closing in shadow, and not injured by light fall frost. The large round buds appear close to the earth at first, but soon rise on stout stems, with drooping purple buds opening in shining white flowers with blue center. The plants remind you of the dusty miller; grow easily and rapidly if given liberal treatment. No. 601, pkt., 10c.

ASTERS. A very hardy annual of easy culture and one of the most popular plants in the garden. Sown in the open ground in May, it can be transplanted and will bloom in September and October. If flowers are wanted in July and August, sow during March or April in cold frame.

No. 6, Dwarf Chrysanthemum Flow. red, 10 or 12 inches high; flowers large and double. Pkt., 10c.

No. 109, Victoria; have from 10 to 20 fine flowers in a pyramid about 18 inches high; best for park culture. Pkt., 10c.

No. 322, Giant Comet. The most artistic flowered of all the Asters, producing blooms of extraordinary size and beauty. Pkt., 10c.

No. 113, Crown or Cocardeau, 18 inches high. Blooms with white centers surrounded with various bright colors. Pkt., 10c.

No. 8, Truffaut's Paenony-flowered Perfection; a handsome Aster that grows 18 inches tall; remarkable for its brilliant colors. Pkt., 10c.

No. 393, Ball or Jewell; flowers are long-stemmed, round and especially desirable for cutting or bunching; dwarf and free-flowering. Pkt., 10c.

BALSAM. (Lady's Slipper). A favorite garden flower, producing brilliant colored double blossoms; tender annual, two feet. No. 141, choice mixed varieties. Pkt., 10c.

CALENDULA. (Pot Marigold). Hardy annuals about a foot high. May be sown in the open ground early in the spring; strongly attractive in beds, borders and backgrounds. No. 171, pkt., 5c.

FULL CULTURAL DIRECTIONS IN EACH PACKET.

PLEASE MENTION NUMBER OF PACKET WHEN ORDERING.

CALLIOPSIS. (Coreopsis). One of the most satisfactory yellow flowers in the garden; tall slender habit, growing to a height of two feet. Fine for cutting. No. 116, Mixed annuals, pkt., 5c.

CAMPANULA. (Canterbury Bells.) One of the most brilliant and satisfactory of outdoor plants; will do exceedingly well on the west coast. Being biennials, they should be sown early and will produce flower the next summer. No. 224, Single mixed varieties, pkt., 5c. (See also Flowering Plants.)

CANARY BIRD FLOWER.

A beautiful, rapidly growing annual of the Nasturtium family, producing pretty fringed yellow flowers; grows to a height of 15 feet. No. 148, pkt., 5c.

CANDYTUFT. One of the highly prized garden annuals. The improved sorts bear only a resemblance to the old style. The seeds should be sown where the plants are to bloom. The best effect is produced by planting in masses; thin out so that plants will have plenty of room. They require rich soil and should be kept well watered. No. 39, White Rocket, pkt., 5c.

CALAMPELIS. A beautiful annual climber, highly ornamental; rich orange flowers. No. 181, pkt., 5c.

CANNAS. (Indian Shot). Are perennials but will bloom the first year if seed be sown early, growing to about 4 feet in height and very brilliant colored flowers. No. 118, Mixed varieties, pkt., 5c. No. 452, Crozy's, Fine Mixed, pkt., 10c.

CARNATIONS. (Dianthus). A very interesting and beautiful plant of easy culture. Should be sown under glass in the early spring. (See also Flowering Plants.)

No. 16, Double Mixed varieties, Pkt., 10c
No. 419, Choice Double Mixed Seed, b st
flowers Pkt., 25c
No. 162, Giant Perpetual, Pkt., 25c.
No. 402, White Margaret, Pkt., 10c.
No. 284, Margaret Mixed varieties, Pkt., 10c.

COXCOMB. (Celosia). An odd and picturesque plant. Bright red and crimson flowers. Hardy annuals; make a brilliant showing from midsummer until frost. No. 17, Dwarf varieties, pkt., 5c. No. 119, Large flowered feathered varieties, pkt., 5c.

CORNFLOWER. (Centaurea). Bright flowered plants, very hardy and easy to grow. One of the most attractive and graceful of all old-fashioned flowers. No. 225, fine mixed, pkt., 5c.

CHRYSANTHEMUMS. Bloom freely from early summer until frost, making a splendid showing. One of the most popular and beautiful of all garden flowers. (See also Flowering Plants.)

No. 18, Choice mixed annual varieties, Pkt., 5c.
No. 329, Choice Mixed Japanese varieties, perennial, large flowering. Pkt., 10c.

CINERARIA. One of the most ornamental and useful of greenhouse plants. No. 19, Single varieties, mixed. Pkt., 25c.

CLARKIA. Charming annuals; bloom freely and have flowers of many colors; natives of the Pacific Coast and do

exceedingly well in this section. No. 21, Mixed varieties, pkt., 5c.

COBAEA SCANDENS. A rapid growing climber, making a growth of about 20 feet during the season. No. 120, pkt., 5c.

COSMOS. Does especially well on the Pacific Coast, making a growth of from 3 to 4 feet; produces quantities of beautiful flowers and has very dainty foliage; should be planted in masses. The seed we offer will produce plants that commence blooming in June and continue until late fall. No. 282, pkt., 5c.

DELPHINIUM. (Larkspur). Produces large quantities of beautiful large flowers the first season. Very effective in borders with other tall plants, or in beds or masses. Should be placed in very rich soil. (For Delphinium Formosum see Flowering Plants.) No. 208, choice mixed colors, pkt., 5c. No. 171, Tall German, mixed, pkt., 5c.

DAISIES. (Bellis Perennis). Very popular and easily grown flower; may be sown in the open ground early in May. (See also Flowering Plants.) No. 13, pkt., 10c.

SHASTA DAISY. A most remarkable new flower originated by Luther Burbank, of California; bears flowers of the snowiest white, with yellow centers; blooms the first season and should be sown early in boxes and transplanted. (See also Flowering Plants.) No. 1001, pkt., 5c.

ESCHSCHOLTZIA. (California Poppy). State Flower of California; an annual of rich rare tints of yellow and orange. About a foot in height, beautiful foliage and large poppy-like flowers. No. 602, pkt., 5c.

FOUR O'CLOCK. (Mirabilis). Is also called Marvel of Peru. A handsome free-flowering, sweet scented plant. They open their blossoms about 4 o'clock in the afternoon, hence their name. Hardy annuals.

No. 51, Choice Mixed varieties, pkt., 5c.
No. 192, True California Poppy. Bright yellow. Pkt., 5c.

No. 167, Creamy White. Pkt., 5c.
No. 382, Carmine. Pkt., 5c.
No. 168, Mixed. Pkt., 5c.

FORGET-ME-NOT. (Myosotis). A modest little flower, to friendship ever dear. (See also Flowering Plants.) No. 53, a pretty trailer with blue flowers, pkt., 5c. No. 310, Victoria dwarf, bushy variety, pkt., 10c.

FOXGLOVE (Digitalis). One of the most striking flowers—tall, stately and handsome, producing a mass of bloom; of easy culture. No. 165, Purple flower, pkt., 5c.

GAILLARDIA. A showy and free blooming annual; fine for beds. (See also Flowering Plants.) No. 444, Mixed colors, pkt., 5c.

GODETIA. Profuse and constant blooming annuals of dwarf growth; flowers are delicate tints of crimson, rose and

FULL CULTURAL DIRECTIONS IN EACH PACKET.

PLEASE MENTION NUMBER OF PACKET WHEN ORDERING.

white. May be sown in the open. No. 125, Mixed colors, pkt., 5c.

GOURDS. Prized for their rapid growth and their odd-shaped and highly-colored fruits. They are very useful for covering arbors, old fences, stumps, etc. No. 476, Mixed varieties, pkt., 5c.

GYPHOPHILA. Very graceful and easily cultivated; flower the first season. No. 376, Mixed, pkt., 5c.

HELIOTROPE. One of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Sow early in the spring. (See also Flowering Plants.) No. 127, Choice mixed, pkt., 10c.

HOLLYHOCKS. These fine, old-fashioned perennials are most striking when planted in groups or long rows; their variety of color is wonderful. When plants are once obtained they last for several seasons. (See also Flowering Plants.) No. 37, mixed colors, pkt., 10c.

JAPANESE HOP. An annual climber, making a rapid growth and producing an abundance of beautiful foliage. Seed sown in open ground will produce large plants in a short time; will grow almost anywhere. No. 412, Common

variety, pkt., 5c. No. 413, Variegated-leaved, Pkt., 10c.

LINUM. (Flowering Flax). A very showy annual; brilliant crimson flowers. No. 243, pkt., 5c.

LOBELIA. A charming flower for beds, edgings, baskets and pots; generous bloomers and of easy cultivation; also excellent for indoor culture. (See also Flowering Plants.)

No. 196, Crystal Palace.....Pkt., 5c.
No. 195, Emperor William.....Pkt., 10c.
No. 304, Gracilis; beautiful for baskets.Pkt., 5c.
No. 131, Cardinalis, brilliant scarlet.Pkt., 15c.

LUPINUS. Very ornamental; free-flowering annual. Beautiful light blue flowers. No. 46, Annual sorts mixed, pkt., 5c.

LYCHNIS. Brilliantly colored border plants. No. 47, Choice mixed, pkt., 5c.

MARIGOLD An improved old-fashioned flower, always bright and perfectly hardy; they do well all over the Northwest. The three following are sensitive to frost:

No. 409, Tall Double African.....Pkt., 5c.
No. 410, Tall Double French.....Pkt., 5c.
No. 146, Dwarf Double French.....Pkt., 5c.

MORNING GLORIES

The quickest and most luxuriant growing of all garden annuals, producing splendid foliage and blossoming generously with large blooms of lovely color.

No. 23, *Convolvulus Minor*. Dwarf Morning Glories suitable for growing in clumps or beds, not a climber. Choice mixed, Pkt., 5c.

No. 41, *Convolvulus Major*. Dwarf Morning Glory, making a growth of ten to twelve feet. Mixed, Pkt., 5c.

No. 600, *Imperial Japanese*. Growing to a height of thirty or forty feet and producing flowers of infinite variety in color and shape. Pkt., 10c.

MIGNONETTE. Every garden should have an abundance of Mignonette. The seed may be sown at any time, and if successive sowings are made flowers may be gathered out doors until late in the fall.

No. 420, Parson's White. Pure white, very fragrant, pkt., 5c.

No. 252, Golden Queen. Golden yellow blossoms; very large, pkt., 5c.

No. 139, Reseda Odorata. One of the most fragrant, pkt., 5c.

MIMULUS. Showy, musk-scented and free flowering; hardy annuals. No. 49, *Mimulus moschatus*. Musk plant. Pkt., 5c. No. 50, *Mimulus tigrinus*.

Monkey-flower. Spotted varieties, mixed. Pkt., 5c.

MINA LOBATA. Annual climbers; free and generous bloomers. No. 384, pkt., 10c.

NEMOPHILA. Pretty annuals of easy growth, good for pots or edgings. No. 54, Mixed varieties, pkt., 5c.

NICOTIANA. (Flowering Tobacco). No. 247. Affinis. Pure white flowers; fragrant, very showy and of easy culture. Pkt., 5c. No. 447, *Sylvestris*. Four feet high. Pkt., 5c.

NINGELLA. (Devil-in-a-Bush). Compact, free-flowering plant, with finely cut foliage and curious looking flowers, with seeds; one foot high. No. 248, pkt., 5c.

FULL CULTURAL DIRECTIONS IN EACH PACKET.

ROYAL MIXED NASTURTIUMS

*A Profusion
of
Beautiful
Flowers*

*Royal
Climbers*

Choicest of Tall and Dwarf Varieties

This old and always popular flower has been highly developed within the past few years. On the west coast we can suggest nothing else that will give the same amount of satisfaction as a border or bed of the Dwarf Nasturtiums and a trellis or wall covered with the climbers. They are also among the easiest of all flowers to cultivate.

Our Royal Mixture is selected from varieties noted for their brilliancy in coloring. It contains the brightest crimson, the deepest black, the most brilliant scarlets, beautiful yellows, and orange and blotched varieties. Our many customers who have tried this mixture are enthusiastic over it. You should be sure to have a liberal quantity, as there is nothing that will give you more satisfaction, and it is invaluable for covering fences, stumps, etc.,

PRICES

- Royal Dwarf Mixed, No. 87, Pkt., 5c.; oz., 10c.; lb., \$1.
Royal Tall Mixed, No. 262, Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 75c.
Dwarf Crimson, No. 318, Pkt., 5c.
Dwarf Scarlet, No. 263, Pkt., 5c.
Empress of India, No. 264, Pkt., 5c.

TO THE LADIES: For an order of one dollar's worth of any kind of seed in this catalog we will send a 25c packet of Golden Gate Hollyhocks. These are not for sale, but we send them as an appreciation of our lady customers' trade. The Hollyhocks are sent in addition to other premiums mentioned.

PLEASE MENTION NUMBER OF PACKET WHEN ORDERING.

PANSIES. Always a favorite with most people and one that gives a greater wealth of bloom than any others. (See Flowering Plants.)

- No. 91, Large Flowering, blotched; an excellent strain, producing showy blossoms. Pkt., 25c.
No. 177, Cassier's Large Blotched, producing the largest flowers of any of the blotched Pansies. Pkt., 25c.
No. 90, Large Flowering French—beautiful mixed colors. Pkt., 5c.
No. 92, Timarad au. Large flowering, some blossoms measuring three inches or over. Pkt., 10c.
No. 93, Snowflake. Almost pure white in color. Pkt., 10c.
No. 94, Lord Beaconsfield. Deep purple violet. Pkt., 10c.
No. 96, White, with black center. Pkt., 10.
No. 203, Kaiser William. Large flower, ultramarine. Pkt., 10c.
No. 178, Faust, or King of the Blacks. Very large and dark. Pkt., 10c.
No. 179, Gold-margined. Exceedingly beautiful. Pkt., 5c.
No. 176, Silver-edged. Dark purple with white border. Pkt., 10c.
No. 429, Goldelse. Pure golden-yellow. Pkt., 10c.
No. 89, Finest mixed varieties. Pkt., 5c.

PINKS. This large family contains some of our most beautiful and best liked flowers, unequaled for color and

fragrance. They are hardy biennials, that bloom the first season. In Western Washington and Oregon they will live outdoors all winter and bloom again next year. No. 122, Hedderwigii (Japanese Pinks). Double and very showy; mixed colors, pkt., 5c. No. 123, Diadem Pinks, double mixed colors, pkt., 5c. No. 288, May Pinks, fine for massing, single mixed varieties, pkt., 5c. (See Flowering Plants.)

PHLOX DRUMMONDI. Few flowers are so easy to grow from seed as Phlox. They produce an infinite variety of shapes and colors, and give a brilliant display at little cost and care; well adapted to the Pacific Northwest. No. 67, finest large flowering varieties mixed, pkt., 5c. No. 336, Star Phloxes, pkt., 10c. No. 249, Perennial Phlox, all colors, mixed, pkt., 10c. (See also Flowering Plants.)

PENTSTEMON GEN. TIANOIDES. Beautiful herbaceous perennials; very hardy and free flowering. Fine for bedding. No. 60, pkt., 10c.

PETUNIAS. An annual of easy cultivation. (See also Flowering Plants.) No. 61, Single varieties, mixed, pkt., 5c. No. 66, Double varieties, mixed, pkt., 25c. No. 63, Fringed Double varieties, finest mixed, pkt., 25c.

FULL CULTURAL DIRECTIONS IN EACH PACKET.

PLEASE MENTION NUMBER OF PACKET WHEN ORDERING.

POPPIES. During recent years many improvements have been made in the Poppy family, and they are now rightly one of the most popular flowers; not easily transplanted. (For California Poppy see *Eschscholzia*.)

No. 57, Carnation Poppy, double mixed. Pkt., 5c.

No. 268, Tulip Poppy, intensely brilliant scarlet flowers; commences blooming early in June and flowers for 6 to 8 weeks. Pkt., 10c.

No. 314, Shirley, single flowers, and best of the single Poppies. Pkt., 5c.

No. 58, Unbrosium, dwarf habit, brilliant vermilion, with black spot on each petal. Pkt., 5c.

No. 55, Peony flowered, fine large double flowers. Pkt., 5c.

No. 341, Iceland Poppy (a perennial), blooming first season from seed. Pkt., 5c.
One packet of each of the above for 25 cents.

PORTULACA. An excellent annual of great brilliancy, especially adapted for edgings, rock work and small or irregular spaces; stands hot, dry weather and in Eastern Washington and Oregon furnishes the garden with the gayest of flowers, at a time of year when it is too hot for many other plants.

No. 69, Large single, mixed varieties. Pkt., 5c.

No. 70, Large double, mixed varieties. Pkt., 5c.

PRIMROSES. (*Primula*). An excellent plant for conservatories or the house; make a healthy, sturdy growth, and produce a large amount of flowers. In many sections of the Sound country and the Willamette Valley they are hardy and may be left out all winter. Our seed is selected from the best giant strains. (See also Flowering Plants.)

No. 71, Chinese Primrose. Choice mixed sorts, single. Pkt., 25c.

No. 72, Chinese Primrose. Choice Double mixed. Pkt., 25c.

No. 74, Japanese Primrose. Choice mixed varieties. Pkt., 10c.

No. 75, Hardy Perennials. Pkt., 10.

PYRETHRUM. Handsome herbaceous plants of easy culture.

No. 76, Golden Feather; beautiful dwarf variety, fine for edging and makes a moss-like tuft. Pkt., 5c. No. 342, Hybridum; large Aster-shaped single flowers, mixed colors. Pkt., 10c.

RICINUS. (Castor Oil Bean). An imposing plant of semi-tropical effect—a half hardy annual. No. 140, choice mixed varieties. Pkt., 5c.

SALPIGLOSIS. An annual plant with large showy, funnel-shaped flowers; very beautiful. No. 406, mixed varieties. Pkt., 5c.

SALVIA. (Flowering Sage). Standard bedding plant that keeps the garden bright with color until late in the fall. No. 142 (Blue Sage), perennial. Pkt., 15c.

SCABIOSA (Mourning Bride). A showy border plant with beautifully variegated flowers. It succeeds well in ordinary garden soil. No. 130, Tall mixed varieties. Pkt., 5c. No. 143, Dwarf mixed varieties. Pkt., 5c.

SCHIZANTHUS. Flowers fringed and delicate colored. Charming garden annual. No. 80, Mixed varieties. Pkt., 5c.

SILENE. (Catch Fly). Bright-colored, free-flowering annuals, suitable for rock work or open border. No. 82, Mixed varieties. Pkt., 5c.

SMILAX. Tender perennial climber; indispensable for decoration. (See Flowering Plants.) No. 374, Select seeds Pkt., 10c.

STOCKS. One of the most desirable plants, especially for that section north of California and west of the Cascade Mountains. The plants have a neat, trim appearance; fine leaves, beautiful flowers in many colors and of great fragrance. (See Flowering Plants.)

No. 84, Large flowering dwarf, mixed colors. Pkt., 5c.

No. 170, Dwarf German Ten-Weeks, mixed colors. Pkt., 10c.

No. 377, Large flowering wall flower leaved, mixed colors. Pkt., 10c.

No. 85, Brompton. Bushy plants, producing double flowers, mixed colors. Pkt., 10c.

SUNFLOWER. Or *Helianthus*. Very useful to plant here and there among the taller growing flowers. No. 128, a dwarf, very double variety, altogether different from the ordinary single Sunflower. Pkt., 5c.

SWEET WILLIAM. A splendid old-fashioned plant producing large heads of beautifully colored sweet-scented flowers in great abundance; a hardy perennial, easily grown and flowering the second year from seed.

No. 26, Single flowers, mixed colors. Pkt., 5c.

No. 27, Double flowers, mixed colors. Pkt., 5c.

THUNBERGIA. Very ornamental half-hardy plants. No. 147, Mixed colors. Pkt., 5c.

VERBENIA. A pretty annual creeper, flowering the first season. (See Flowering Plants.) No. 88, Finest mixed, large flowering. Pkt., 10c.

VIOLETS. On account of the long time it takes seeds to germinate we would suggest buying the plants instead of seeds. (See also Flowering Plants.) No. 319, Large single flowers. Pkt., 10c.

WALLFLOWERS. Favorite sweet scented old-fashioned flowers. Hardy perennials. (See also Flowering Plants.) No. 99, Mixed single varieties. Pkt., 5c. No. 98, Double German, mixed colors. Pkt., 10c.

WILDFLOWER GARDEN.

An assortment of over twenty different annual flowers. Can be sown broadcast and will make a very bright and interesting bed. Especially adapted for sowing in a rookery or in some corner of the shrubbery. Bed of these flowers is always full of bloom and a never-ending source of delight. No. 438, pkt., 5c.; oz., 15c.; ¼ lb., 50c.

ZINNIAS. An annual easily grown from seed; blooms abundantly and continuously. No. 100, Mixed colors. Pkt., 5c.

FULL CULTURAL DIRECTIONS IN EACH PACKET.

SWEET PEAS

Superior Varieties

Each year finds the Sweet Pea a larger and more perfect flower. It is without doubt the king of all flowering plants, and should be included in every garden, whether on the farm or city lot. The varieties we list below represent every color and shade, are selected because of their perfect form and large flowers. The Puget Sound Country and the Willamette Valley are especially adapted to this most beautiful flower. They have always been grown here in large numbers, but many people should enjoy growing these flowers who have not hitherto. They do best in our section if sown in the fall from four to six inches deep, and we would advise sowing the seed fairly heavy, about two to the inch. This will give a mass of bloom and make a much better showing than when sown too thin. Sweet Peas do best if sown on the sunny side and they like a liberal amount of water and fertilizer.

ALL VARIETIES 5c per pkt.; 10c. per doz.; 25c. per ¼ lb.; 60c. per lb. One packet each of 10 different varieties, 40c. One packet each of 20 different varieties, 75c. These to be selected by us.

Cream of the Sweet Peas

Aurora.—Orange-rose striped on white; large size hooded form. One of the best.

Mount Blanc.—Pure white, medium size, open form, very early.

Hon. F. Bouverie.—One of the very best of the light pinks.

Capt. of The Blues.—Large flowered, true blue in color.

Mrs. Joseph Chamberlain.—A rose striped on white; very large size.

Lady Mary Currie.—Crimson orange, colors vary in tints and extremely bright. The best of its class.

Emily Eckford.—A beautiful rose lilac.

Lady Grisel Hamilton.—The latest and most improved lavender.

Lottie Hutchins.—Light primrose, striped with light pink.

Invincible Carmine.—Bright red; wings inclined to crimson.

Juanita.—Mauve; a very distinct variety.

Mars.—Bright crimson scarlet; very large.

Navy Blue.—Color indigo and violet; medium size; very striking.

Othello.—Almost black in color. Should be in every mixture.

Royal Robe.—Pure pink and very pretty.

Salopian.—Crimson scarlet; very much the same color as Mars. Is hooded form, while Mars is open.

Triumph.—Light pink, veined with crimson.

One (1) pkg. of each of the above sent for 60c.

We select the seventeen above varieties as representing the very highest and latest type.

Varieties listed below at regular prices mentioned above. They are all choice:

Emily Henderson.—Pure white, large; early and continuous.

Modesty.—White, tinted with pink.

The Hon. Mrs. Kenyon.—Light primrose.

Stella Morse.—Buff, with tinted pink.

Prima Donna.—Pure pink, bright.

Venus.—Light pink and buff.

Apple Blossom.—Crimson pink, shaded deeply at center.

Royal Rose.—Crimson pink, deeply shaded at center.

Miss Wilmot.—Orange pink. Large size.

Lovely.—Very deep pink. Four blossoms to the stem.

Mrs. Dugdale.—Crimson rose; very large.

Gorgeous.—Scarlet orange and comes intensely bright.

Coccinea.—Cherry red, large, round, open standard.

Lord Kenyon.—Magenta rose, wings of lighter shade.

Gray Friar.—Heliotrope, flaked and speckled blue, mauve on white.

Lottie Eckford.—White, shaded with lilac, edged blue.

Countess of Radnor.—Rosy-lavender, wings pure lavender.

Countess of Cadogan.—Between purple and lilac.

Duke of Westminster.—Clear purple.

Shahazada.—Deep maroon, with shade of purple.

ROYAL MIXTURE SWEET PEAS

This is composed of superior selected strains, and we know will please the most exacting. For Flowers of delicate colors, varying from pure white to the richest reds and purples, the Royal Mixture leads. It is the result of selecting, from year to year, seeds from the choicest flowers. The Mixture cannot fail to give satisfaction. Price: Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; ½ lb., 40c.; 1 lb., 75c.

FULL CULTURAL DIRECTIONS IN EACH PACKET.

General Collection

FLOWERING
PLANTSCHOICEST VARIETIES
BEST OF EACH

ALYSSUM

This is one of the most satisfactory of all flowers and a most beautiful one. It is similar to white Forget-Me-Nots, and should be grown in every garden. It is highly valuable in making borders, edgings, boxes, etc., and for use in and around rock work. It blooms constantly all summer, and does exceedingly well in the moist climate of Western Washington.

Tom Thumb, or Little Gem Sweet Alyssum, 10c. each; \$1.00 per doz.

Antirrhinum (SNAP DRAGON)

A most showy border plant, that forms brilliant beds, flowering prodigiously and continuously. They grow about 2 feet high, are healthy and stocky, and completely enveloped with large snapdragon flowers of splendid texture and substance, rendering them very durable under all conditions of weather; their continuous-blooming qualities, ease of culture and independence of heat and drought, and pure light colors, should entitle them to a permanent place in gardens. They will do best in well drained soils.

Giant Flowering Antirrhinum, large plants, 10c. each; \$1.00 per doz.

Ampelopsis
Veitchii

(Boston Ivy)

Very hardy, and as a climber has no equal. In the summer the foliage is rich green, changing in the fall to gorgeous tints of scarlet, crimson and orange. Will cling to any wooden, stone or brick wall and requires no trellis or tying. Choice pot plants, 25c. to 50c. each.

ASPARAGUS—Sprengeri

A most desirable species, exceedingly useful and ornamental as a pot plant to grow on a shelf in the window, or on a pedestal in the sitting room or to droop from baskets: the fronds are frequently 4 feet long, a rich shade of green, retaining their freshness for weeks after being cut. Price, 3-inch pots, 15c. each; \$1.50 per doz; 2-inch pots, 10c. each, \$1.00 per doz.

ASPARAGUS. Plumosus Nanus.. (Climbing Lace Fern.) Bright green leaves, gracefully arched, and as finely woven as silken mesh. Large plants, 30c. each; \$3.00 per doz. Plants from 3-inch pots, 15c. each; \$1.50 per doz.

ASTERS.. Most popular autumnal flower. We have all the choice varieties in mixed colors at 25c to 50c. per dozen.

TUBEROUS BEGONIAS—All Selected Bulbs

These are now among the most popular plants for beds of summer flowers. Nothing can exceed the brilliancy and richness of their flowers. From the time the first blossoms appear until all growth is stopped by frost they are never out of bloom.

SINGLE TUBEROUS BEGONIAS.. Price, dry bulbs, up to May 15th, 15c. each, set of six for 50c., \$6.00 per 100.. Growing plants, ready May 1st, 20c. each, set of six for \$1.00.. Dry bulbs mailed free at prices quoted.

DOUBLE TUBEROUS BEGONIAS. Price, 30c. each, set of six sorts, \$1.50, for dry bulbs up to May 15th. Growing plants, ready May 1st, 40c. each, set of four for \$1.50. Dry bulbs mailed free at prices quoted.

BEGONIA REX. Valuable for the grand and varied markings of the leaves. A fine collection. 15c. each, \$1.50 per doz.

CALLA LILY. Strong bulbs; can be planted in pots or out-of-doors; beautiful snow-white flowers, with rich, glossy, dark green foliage. Each, 15c. to 25c.

COLEUS. A fine variegated tender foliage plant; wide pointed leaves. Per dozen, 50c to \$1.00.

CAMPANULA. (Canterbury Bell). An old garden favorite. Bell or Trumpet is nearly

ALYSSUM

4 inches in diameter in the form of a cup. Dwarf or tall varieties, mixed colors, 15c. each, \$1.00 dozen.

CHRYSANTHEMUM. A fine pot plant blooming freely in the fall; flowers fine for cutting. We can supply most all the popular varieties. Small plants, 10c. each, \$1.00 dozen. Large plants, 15c. to 25c. each. Choice varieties in bloom, 25c. to \$1.00 each.

CARNATIONS

The Carnations we offer are young plants from 2-inch pots. Planted out in spring they should begin blooming about July or earlier. If potted in the fall they should bloom profusely during the winter months.

The New Carnation ENCHANTRESS

The great forward stride in Carnations is made more manifest in this than any other since the advent of the Mrs. Thomas W. Lawson. It was raised by the same grower, and he pronounces *Enchantress* superior to it. The flowers are $3\frac{1}{2}$ to 4 inches across when well grown; the stems are strong and from 2 to 3 feet long; the color is a superb shade of rosy blush-pink, richer and warmer towards the center; an early and continuous bloomer, a strong, healthy grower; the ideal Carnation in every way. Ten thousand dollars were paid for the stock of it by a cut-flower grower, the best evidence of its value. Price, 20c. each; \$2.00 per doz.

MARGUERITE MONTHLY CARNATIONS

A new race of monthly Carnations which is of the greatest value for summer blooming. They bloom freely all summer, the flowers are all double; they are all elegantly fringed and deliciously fragrant. Price, 10c. each; \$1.00 per doz., \$6.00 per 100.

HARDY GARDEN CARNATIONS

Every color known in Carnations is represented, but having been grown from mixed seed we cannot supply any special color. They flower heavily in June. A fair proportion of the flowers will be double. Price, 10c. each; \$1.00 per doz., \$6.00 per 100.

Daybreak. Beautiful blush-pink. A standard of excellence. Each, 10c.; per doz., \$1.00.

Ethel Crocker. Deep, rich pink, very large flowers, long stems. Each, 10c.; per doz., \$1.00.

Flora Hill. Pure white, fine large flowers on long, stiff stems. Each, 10c.; per doz., \$1.00.

G. H. Crane. Deep, brilliant scarlet, large flower, long stem. Each, 10c.; per doz., \$1.00.

Governor Roosevelt. Brilliant crimson, shaded maroon. Each, 10c.; per doz., \$1.00.

Mrs. Franz Joost. Beautiful rich salmon-pink. Each, 10c.; per doz., \$1.00.

Mrs. Thomas W. Lawson. Purest rose-pink, brilliant under artificial light. Each, 15c.; per doz., \$1.50; per 100, \$8.00.

Prosperity. The ground color is white, irregularly overlaid with rosy-pink. Each, 15c.; per doz., \$1.50; per 100, \$8.00.

Wm. Scott. Flowers large, of a deep pink, long stems. Each, 10c.; per doz., \$1.00.

SPECIAL.—During the spring season we are usually able to supply large plants for summer blooming at 30c. each, or \$3.00 per dozen.

CYCLOP PINK

We all know and love our garden Pinks, and regret that they bloom only in the spring. The Cyclop Pinks are all that the old-fashioned Pinks are, only much larger and bloom from early spring till after light frost in the fall. This is a new plant, but our stock enables us to sell at the popular price. Each, 10c.; per doz., \$1.00.

DELPHINIUM FORMOSUM. (Blue Larkspur.) Perfectly hardy perennial, one of the best border plants, blooming all summer long. Our plants are well grown and exceptionally fine, both in size and flower. Price: 15c. each, \$1.50 per dozen.

DIANTHUS BARBATUS. (Sweet William.) Hardy and fine for bedding. Mixed colors. 10c. each; \$1.00 per dozen.

DIGITALIS MONSTROSA. (Giant Fox Glove.) Very useful for general garden purposes. We have plants of an assortment of colors. 15c. each, \$1.50 per dozen.

FORGET-ME-NOT

(*Mysotis*)

These daintily elegant little flowers are hardy perennials that love cool, moist soils, and, like Pansies, bloom most freely in fall and early spring. They make beautiful borders, or edgings, thickly sprinkled with pretty flower sprays, and will bloom nicely in winter in a cool room or cold frame. Once at home in a garden they establish themselves by self-seeding. All the varieties are general favorites. Most varieties bloom freely the first season and profusely the second. Average height, 6 inches. 10c. each, \$1.00 per doz.

FUSCHIA. Excellent house plants: flowers red, scarlet and white. Our plants of this variety are strong and well rooted. 10c. each; per dozen, \$1.00. Large plants in bloom, 25c. to 50c. each.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Shasta Daisy

(*Chrysanthemum Leucanthemum Hybridum*)

The originator, Mr. Luther Burbank, describes it as follows: "Flowers snowiest white with yellow center, extremely large and graceful, freely produced on strong, wiry stems about 2 feet in length. New hardy perennial, blooming abundantly the first season from seed. Sow early in shallow, well-enriched boxes of sandy soil in the house, keeping quite moist; transplant to a rich, sunny location about 1 by 3 feet apart; or sow in carefully prepared soil in the open air as soon as the ground can be cultivated. The seeds will produce flowers varying much in form and size, and, being a new hybrid race, some exquisite ones may be expected. The best may then be multiplied to any extent by division." We have some splendid plants that have been grown for one season and not allowed to bloom. They are all ready to throw out quantities of their snowy blossoms. The seed from which these plants were grown we obtained direct from the originator, Mr. Luther Burbank, so our customers may feel sure of getting the best there is. We advise all flower lovers to try this splendid novelty. Price: Large plants, 15c. each.

GAILLARDIAS

Great improvements have been made in these worthy garden plants the past few years, and the seed that we offer has been saved especially for us. The flowers are of extraordinarily large size and are very highly colored in great diversity of variations and blendings, including such combinations as dazzling scarlet with gold edge, bloom-crimson with yellow edge, yellow with orange disk, golden with scarlet border, pure yellow, fiery crimson and many others.

These magnificent Gaillardias are hardy perennials, less coarse and more compact in growth than the older kinds and they produce a constant succession of flowers all summer and fall; when grown in large groups they are gorgeously effective. As cut flowers they are almost unrivaled, the immense and brilliant flowers on long, self-supporting stems "vase" handsomely, and they last in water for days. Price of plants, 15c. each; \$1.50 per dozen.

GLADIOLUS. A fine summer flowering plant. We have a stock of fine bulbs of our growing—no two alike. Carefully selected bulbs. 5c. each; 50c. per dozen; \$3.00 per 100.

HELIOTROPE

(See cut.) The most exquisitely perfumed flower that blooms; their fragrance is almost intoxicating. They are well adapted for either pot culture or bedding. We have some fine strong plants at 10c. each, or \$1.00 per dozen. Large plants in bloom at 15c. to 35c. each.

KENILWORTH IVY

A hardy and pretty little perennial climber for covering wood and rock work, and very useful for hanging baskets, vases, etc. Placed in a shady location it is very easily grown. Price: 10c. each; \$1.00 per doz

GERANIUMS

COMPRISING VARIETIES OF HIGHEST MERIT
NONE UNDESIRABLE IN THE WHOLE LOT

Our collection of Geraniums consists of the choicest varieties of this highly popular flower, and the plants are all strong and in good condition. We have both single and double Geraniums. Many of the large plants are often in bloom at time order is received.

MADAM BRUANT

White, veined
carmine - lake,
bordered bright
solferino; a fine
single variety.
Plants, 15c. each.

Jean Viaud

This Geranium has large
trusses; color bright rosy-
pink with distinct white
blotch in the center;
dwarf, compact, vigorous
and exceptionally free
blooming. Plants 25c. each.

Mountain of Snow

Very ornamental for bed-
ding; foliage variegated,
golden yellow, orange, red
and green, heavily marked
with white. The double and
single scarlets are mag-
nificent for bed-
ding purposes,
while the various
colors are good
as window plants.

Mountain of
Snow is very ef-
fective for edging
beds and con-
trasts well with
Blue Lobelia or
Golden Feverfew.
Each, 10c.; dozen,
\$1.00.

General Grant

The finest scarlet bedder, large blossoms,
small foliage, making a brilliant show all
summer. See illustration. Price: 10c each;
\$1.00 dozen. Plants by express, 25c each.

"Pansy" Geraniums are a very interest-
ing and useful type of Pelargonium, of
dwarf, compact growth, covered when in
bloom with showy pansy-like flowers. Ex-
cellent plants for the window garden.

Vancouver, B. C., April 16, 1904.

Lilly, Bogardus & Co., Seattle, U. S. A.—Dear Sirs:
The roses arrived in due time, in excellent shape. All
three orders gave good satisfaction. I thank you for such
treatment and prompt attention. I am much pleased.
Yours truly,

W. S. Lindsay.

La Pilot

Without doubt the best of the
vivid scarlet, large and very
semi-double varieties; blossoms,
showy. Price: 10c. each; \$1.00
dozen.

Mrs. Pollock

A Geranium of beautiful tri-
colored leaf; bright bronze, with
border of crimson, edged with
golden yellow. (See illus-
tration.) Price: 10c. each;
\$1.00 a dozen.

Our Geraniums are the
grandest and most strik-
ing varieties ever offered.
The flowers are of large
size and always produce a
profusion of the most
gorgeous blooms. Every
plant a choice one, and
you are sure to like them.

FOR THE LADIES

Every lady who orders one dollar's worth
of Seeds of any kind listed in this catalog
will receive free, as a premium, a 25-cent
packet of Golden Gate Hollyhocks. These seeds make most pretty plants in any garden. They
are not for sale, but kept to send our lady customers as an appreciation of their trade. This
is in addition to other premiums. To get them you must ask for them.

EVERBLOOMING HOLLYHOCKS

THE NEWEST AND CHOICEST

The Hollyhock has always been a favorite flower—a favorite with our mothers, a favorite with our grandmothers, and a favorite with our great-grandmothers. Our ever-blooming Hollyhocks, however, are quite different from the old-fashioned kinds. They are rich in color—large flowering blooms, often measuring five inches and a half in diameter, and bearing both double and single flowers.

We send out only strong, healthy plants, well rooted, and they require but little care and attention after setting out. The Hollyhocks are one of the showiest flowers grown, making an especially striking picture when scattered along a fence or wall, or in small clumps about the garden. Their tall, stately flowering spikes break up the monotony of the garden with a blaze of color.

Good, vigorous plants, ready to bloom this season, 15c. each; \$1.50 per dozen. These cannot be sent by mail.

HYDRANGEAS

Hortensia Variegated. Dark green variegated leaves; globular heads of rose-colored flowers.

Paniculata Grandiflora. A magnificent shrub—white when first opened but gradually changing to rose color; one of the finest flowering shrubs.

Thos. Hogg. Large, pure white, often measuring 12 inches in diameter—a profuse bloomer.

Red Branched. Of robust habit, producing immense heads of deep rose-colored flowers; branches bright red and brighten as they near the flower tops.

Prices: Small plants, well rooted, 15c. each; \$1.50 dozen. Second sizes, 25c. to 35c. each; \$2.50 to \$3.00 dozen. Extra large plants in bloom, 50c. to \$2.00 each.

Carrying charges on plants must be paid by the purchaser. In some cases plants can be sent by mail, but the soil must come off the roots and only small plants can be sent that way. We always add extra plants to help defray express charges. Express rates are not very high, and our method of packing secures to the customer the lowest rate given by the companies. Forwarding by express enables us to send much finer plants.

LAVENDER VERA. (Lavender Blue.) A hardy perennial, 1 to 2 ft.; spike of fragrant blue flowers. 15c each; \$1.50 per dozen.

LEMON VERBENAS. The Verbena is a small flower of very sweet scented foliage and is a popular variety for garden beds and massing alike. Price: 10c. to 15c. each.

LOBELIA CARDINALS. (Cardinal Flower.) A bushy plant with intense scarlet flower. Each, 15c.; dozen, \$1.50.

LYCHNIS. Bright scarlet flowers, and a continuous bloomer. Each, 15c.; per dozen, \$1.50.

MARGUERITE. White or yellow. 10c to 25c. each.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

PANSIES

Unequalled for Form, Size and Color

(See also Seeds.)

The Pansy is probably a favorite and popular flower with a larger number of people than is any other flower. There is no flower at any cost or pains that gives the richness and variety in coloring, nor one with such a wealth of bloom. For a majority of people it is best to get the young plants rather than to try starting it from seed, for the Pansy, after it is once started, is very easy to grow, and in the Puget Sound country and along the Pacific Coast we have a climate that is admirably adapted to these beautiful flowers. They like best a very rich clay soil that is well drained and partly shaded, and make the prettiest effect where planted in beds without any other flowers. While they will remain for several years, the finest flowers are to be had by putting out young plants every couple of years. They like to be kept well watered and well cultivated.

We have the following varieties grown from seed of our own saving, selection being made especially for large blooms and distinct varieties. All our Pansies are grown in a soil that favors the retention of the roots, so that they transplant easily. We take pride in the stock that we are able to furnish, and we feel sure that our customers will be well pleased with it:

Timaradeau. The showiest of all Pansies; every flower a large one and many of them measure 3 to 4 inches across.

Fringed. For the Pansy lover this is one of the most interesting varieties. Every blossom is fringed, and they come in an endless variety of colors and expressions.

Snowflake. Pure white with yellow eye. These delicious and delicate blossoms are a never-ending source of delight to any one who desires Pansies; their snowy white color has a distinct charm.

Black. Black as night. These contrast very prettily with the Snowflake, and while they are not suitable to grow alone yet they are very striking when planted with others.

Golden Bordered. Rich dark brown and orange, with a dainty gold border—a Pansy that you will never tire of growing.

Silver Margined. Blue to purple, with silver edge. This is another very choice Pansy, and one that will delight the eye of every grower of these dainty blooms.

Price, any of the above varieties: 5c. each; 50c. per dozen.

PETUNIAS

Highly ornamental, flowering profusely and of easy cultivation. We have fine, strong, well-rooted plants, single or double assorted colors. Prices, for young plants, 10c. each; \$1.00 a dozen. Large plants in bloom, 25c to 50c. each.

PHLOX. These grahd, hardy, flowering plants are becoming popular. They are easily grown and bloom freely in the late summer and fall months. Each, 15c.; \$1.50 per dozen.

PETUNIA

PREMIUMS AND DISCOUNTS

An order amounting to \$1.00, and accompanied by the cash entitles you to \$1.25 worth of seeds; \$2.00 entitles you to \$2.55 worth; \$3.00 cash to \$3.90 worth; \$4.00 to \$5.40 worth; \$5.00 to \$6.75 worth; \$10.00 to \$14.00 worth. These premiums and discounts are allowed only on Flower and Vegetable Seeds by the packet and ounce, and not on seeds by the pound; nor on Peas, Beans and Corn; nor on Plants; nor on Seeds or Plants in collections, for on these we have already made the prices so low that we cannot possibly allow further discount; nor can we allow this discount on seeds by the pound.

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Chinese Primrose

These Chinese Primroses are most satisfactory plants for house culture, and will thrive and bloom with less direct sunshine than any other plant. Their constant succession of blooms through the dull winter months render them very desirable and satisfactory.

Choice plants from 4-inch pot, 25c. each, by express.

Half Hardy Primrose

The following varieties are all hardy west of the Cascade Mountains and will be found very satisfactory:

Primula Vera. The well known Polanthus. They have a charm distinctly their own. Mammoth flowering varieties in separate colors, 15c. each, or \$1.50 per dozen.

Primula Elatior. (English Cowslip.) 15c. each; \$1.50 per dozen.

STOCKS

Choice Stocks

Exquisitely Fragrant and Handsome

These well known and popular flowers cannot be too highly recommended for every flower garden. Their wealth of color and rich, delicate perfume are large measure for the cost of the plants. We offer plants of improved strain and mostly double flowers, that will bloom all summer if the old flower spikes are removed. Try a dozen plants, and we are sure you will always want them in your garden. Price: 25c. a dozen.

Night Blooming Stocks

This charming plant should be in every garden. Its flowers close entirely during the day, but in the evening the air is loaded with their delightful perfume. They are easy to grow and sure to bloom all summer. Each, 10c.; per dozen, \$1.00.

SMILAX. Fine for festooning and floral work. Grows 10 feet high. Strong plants, 15c. to 25c. each.

LILLY'S CROP BOOK

Contains full information on planting, growing and caring for vegetables, plants, etc., and should be requested by every one sending an order for seeds from this catalog amounting to 25 cents or over. This **Crop Book** is free to our customers upon these conditions. Well worth a dollar to any grower, as it tells how to raise crops in the Pacific Northwest—not back East.

THE LOVELY VIOLET

QUEEN OF FLOWERS

Perfect Gems of Sweetness, Whose Place No Other Flower Can Take

The growing of Violets for commercial purposes has become a science, and anything that can possibly be done to improve and increase the flowers is complied with. The improvement of varieties is a constant progression of achievements until today the small, modest Violet, that bloomed for about two weeks in spring, is in actual practice obtained from October to May; and it is not uncommon to have most of the flowers so large that they will more than cover a half dollar, with stems nine to twelve inches in length, and at the same time there has been no loss in color or fragrance. This change has come about by using improved varieties and better culture.

The cultural directions, plied with, are too extended therefore have compiled them copy free when requested to plants of us.

The California. America can acquisition to the ers of Violets are in-ory E. Smith, of Cal-duction of this tensive trials of the season we have orous and absolutely flowers single, of im-it is a clear violet fade. The fragrance flowers are borne on 12 inches in length, flowers may be pick-plant in one season.

Princess of Wales fragrant of single a deep violet purple, grower and free variety grown principally for cut able of all varieties for that pur-000 worth of blooms a day during

Improved Marie Louise. double blue Violets grown. Col-and a continual bloomer. It is sure to include one or more of order.

Choice plants: 10c., each; 3 each by express. If wanted in for special prices.

VERBENAS. Very easy to grow and especially suited for bedding and edging. They bloom continuously all summer. Price: 25c to 50c per dozen; Plants in bloom, 10c each; \$1.00 per dozen. (See Lemon Verbenas.)

VINCA MAJOR VARIGATA. (Blue Periwinkle.) 15c each; \$1.50 per dozen.

VIRGINIA CREEPER. Very robust-growing vine, admirably adapted for covering outhouses, fences or other unsightly objects, making them a thing of beauty in one or two seasons. Has a long pointed leaf, green in summer and turning to most beautiful colors in the autumn. Fine plants, 25c each.

WALL FLOWER, Single and Double—Flowering in very early spring and during the first half of summer. Each 15c. to 25c.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

while simple and easily com-to include in this cata'og. We in pamphlet form and give a all who purchase Violet

In this splendid va-claim the greatest Violet family. Lov-debted to Prof. Em-ifornia, for the intro-grand Violet. By ex-California the past found it to be vig-free from disease; mense size; in color purple and will not is delightful. The strong stems 10 to and from 300 to 500 ed from a single

Largest and most Violets. Its color is and it is a strong bloomer. This is the flowers and is the most profit-pose, many growers picking \$20,-the season.

Surely one of the very finest or deep violet blue; very fragrant of extremely easy growth. Be these charming plants in your

for 25c., prepaid. Clumps, 25c. quantities of 100 or 1000 write

which, when once established, need no reseeding for years. Our seed is the purest that money can buy and only the best varieties are used. It is best suited for even and permanent growth. We carefully clean it and make it as free from foreign matter as can possibly be done.

QUANTITIES TO USE

1-lb. package for 400 square feet.....	\$0.25	15-lb. bag for 6,000 square feet.....	\$2.75
5-lb. package for 2,000 square feet.....	1.00	25-lb. bag for $\frac{1}{4}$ acre.....	4.25
10-lb. bag for 4,000 square feet.....	1.85	50-lb. bag for $\frac{1}{2}$ acre.....	8.25
100-lb. bag for 1 acre.....	\$16.00		

Add 10 cents per pound for postage when sent by mail.

Mixture for Shady Lawns

A selection of the fine grasses which thrive naturally under the shade trees or buildings, or are suitable for light sandy soil. This mixture was extensively used on the Seattle parks, where we furnished large quantities of this seed to the landscape department, and where it gave splendid results.

Sow at least 50 pounds of seed per acre to make a new lawn; or 20 pounds per acre for thin grass.

Per lb.\$0.30

10 lbs.\$2.50

Holly Lawn Dressing

Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it receives a sufficient supply of food. There are many objections to stable manure, which should not be used on lawns because of its tendency to introduce obnoxious weed seeds. The best lawn fertilizer for the Northwest is Holly Lawn Dressing. Used in combination with our Nonpareil Lawn Mixture there is no excuse for a poor lawn.

See full description and directions for use of Holly Lawn Dressing and other fertilizers on pages 86, 87, and 88. A 50-lb. bag costs \$1.25; 100-lb. bag, \$2.25.

Lilly's Best White Clover

Only in Sealed Packages.

Specially selected and thoroughly cleaned seed—the very best that can possibly be secured. It is put up especially for use in lawn mixtures, and will do finely in shaded places. It can be had only in sealed packages. Write for prices in any quantity.

Lilly's Best Kentucky Blue Grass

Put up in Sealed Packages.

Like Lilly's Best White Clover this is selected especially for use in lawn mixtures and is free from any foreign matter and obnoxious seeds. When you get pure Blue Grass seed you have a clean and satisfactory lawn and the slight difference in price from the ordinary kind is well worth paying. Prices furnished on application.

"Planet Jr." Farm and Garden Tools

Adapted to the Northwest

No. 4.

No. 25.

No. 3.

No. 1.

No. 11.

No. 12.

No. 4 Combined Hill and Drill Seeder and Wheel Hoe Cultivator and Plow. Price, \$11.00; Drill only, \$9.00.

This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, and, as a seeder, is like the No. 5, sowing in continuous rows, or dropping in hills at five different distances. It is thrown out of gear by simply raising the handle. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. It is useful almost every day of the season at every stage of garden work. With this one implement the small farmer can do practically all the work in his small crops.

A set of three rakes supplied when specially ordered. Price, \$1.00 extra.

No. 25 Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. Price, \$14.00.

It practically combines in one tool the No. 4 Drill and No. 12 Double Wheel Hoe.

As a drill it is almost identical with the Planet Jr. No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same feed, hill dropping mechanism and automatic device for throwing out of gear and the new combined cut-off and seed index, with brass thumbscrew adjustment. It is thoroughly substantial and is accurate in sowing all kinds of garden seeds in either hills or drills.

No. 3 Hill and Drill Seeder. Price, \$11.00.

Hopper holds three quarts; 15-inch patent steel driving wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the fore-finger. The roller is broad and hollow-faced, leaving a wide, smooth track for the wheel hoe. It is extremely simple, and will not injure the most delicate seed.

No. 1 Combined Drill, Seeder and Wheel Hoe, Cultivator and Plow. Price, \$10.00.

This has long been the most popular combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoe, etc., can be quickly attached. It is an excellent seed sower, a first-class double or single wheel hoe.

A pair of six-tooth rakes supplied when specially ordered. Price, \$1.00 extra.

No. 2 Drill Seeder.

Very much like No. 1, except that it has no cultivating tools and holds more seed. Price, \$8.00.

DOUBLE WHEEL HOES.

The Planet Jr. double wheel hoes are the greatest tools in the world for the gardeners. They do more work, and do it better and easier than can possibly be done in any other way. They represent the very highest perfection in every detail.

No. 11 Double Wheel Hoe, Cultivator, Rake and Plow. Price, with attachments as shown in cut, \$9.50.

No. 12 Double Wheel Hoe, Cultivator and Plow. Price, \$7.50.

This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments, and is sold at a correspondingly lower price. The tools shown and sold with No. 12 are what gardeners mostly use and the others can be added as wanted.

Complete "Planet Jr." Catalog sent free on request.

Planet Jr. Machines—Continued

No. 13.

No. 18.

No. 17 1/2.

No. 13 Double Wheel Hoe. Price, \$5.25.

This tool is the No. 11, with 6-inch hoes only, these being the tools that are most generally useful. Any or all of the other tools shown with No. 11 may be added at any time, and are sure to fit.

No. 17 1/2 Single Wheel Hoe and Cultivator. Price, \$5.00.

Fire Fly Plow. Price, \$2.50.

This tool is most useful in small gardens. Chicken raisers will find it very useful in plowing up the scratching yards.

No. 18 Single Wheel Hoe. Price, \$4.00.

This tool has the same frame and handles as No. 16, but has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. All the other tools can be added as needed.

Farmers' No. 19 Single Wheel Hoe, Cultivator and Plow. Price, \$4.25.

This new and attractive implement is especially designed for the farmers' garden work, though it offers to everyone with either field or garden a cheap and effective tool for all hand wheel hoe operations. The wheel is high and is made with a stiff steel rim and spokes. The handles may be readily changed to suit man or boy.

No. 8 Horse Hoe and Cultivator. Price, with attachments as in cut, \$9.00.

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

Planet Jr. No. 9 Horse Hoe and Cultivator. Price, \$7.90.

Similar to No. 8, but without lever

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, plain, \$6.30; with wheel, \$7.40; complete, \$9.00.

This tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel-shaped teeth cut an inch wide each. It may be set with teeth trailing.

The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion.

Space will not permit illustrating and describing all of the "Planet Jr." tools, but we will gladly send a fully illustrated catalog to any who desire it.

No. 17 Single Wheel Hoe, Cultivator and Plow, as in Cut. Price, \$5.50.

No. 16 Single Wheel Hoe, Cultivator, Rake and Plow. Price, \$6.35.

No. 8 Horseshoe.

Twelve-Tooth Harrow, complete.

With any Cultivator we will send free \$1.00 worth of seeds.

With any Drill we will send free \$2.00 worth of seeds.

These seeds must be selected from the first 32 pages of this catalog and must be requested when tool is ordered.

FARM TOOLS

No. 1 Clipper

The "Clipper" Grain, Seed and Bean Cleaner

Without doubt the best seed and grain cleaner on the market. When it comes to real nice, clean work, it is far ahead of all the others. Especially adapted for making effectual separation of wild oats, cheat, cockle, and all foreign seed from wheat and oats, as well as cleaning the perfect seed. If you want the best cleaner on the market today, one that is guaranteed to please you, buy "The Clipper." We use several of these machines in our warehouse, and they do excellent work.

Prices: No. 1, \$30.00; No. 2, \$35.00.

Hand Corn Planters

Eagle Corn Planter.—Decidedly the best hand corn planter made, and a very desirable implement for those who have a quantity of corn to plant. It puts the corn exactly where you want it, and at a proper depth. Easily worked and a most satisfactory tool in every way. Price, \$1.50; weight, 6 lbs.

Triumph.—Has no objectionable features. Is made of good material. Has iron seed box and iron channel; foot of polished steel. Strong, durable, and gives universal satisfaction. Price, \$1.25; weight, 5 lbs.

Animal Traps

No.	Each.
1027—Out o' Sight Mouse Traps.....	10c
1028—Out o' Sight Rat Traps.....	15c
1029—Gee Whiz Mouse Traps.....	5c
1030—Gee Whiz Rat Traps.....	10c
1031—Out o' Sight Mole Traps.....	75c
1032—Out o' Sight Gopher Traps.....	25c

Combined Riveter Rivet Magazine and Buckle Punch

A complete outfit for repairing harness, belting, etc., or anything where a well-clinched rivet will serve the purpose. Rivets on loops and keepers, punches buckle holes in harness and holes in belting for lacing, etc. Can be used in any position, mending harness while on the horse. Price of machine, complete, with magazine full of assorted rivets, No. 1033, 75 cents.

WEIGHT ONLY 20 OUNCES

Wilson's Family Grist Mill

Wilson's Grist Mill, No. 1034-0. Especially constructed for grinding graham flour, corn meal, etc. Price, \$5.00.

Wilson's Mill No. 1034-1. For grinding dry bones, shell, grain, gravel, old crockery, glass, etc. Price, \$5.00; sieve attachment, 50c.

No. 1034-0

No. 1034-1

Gasoline Engines

We handle a complete line of Gasoline Engines, from 1½ horse power up to any desired size; are suitable for running large bone mills, clover cutters, small grist mills, cream separators, fanning mills, etc. We will mail to any one interested a catalog, with complete description and prices.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

THE CAHOON HAND BROADCAST SEEDER

For Sowing ANY Grain or
Grass Seed

IS THE GUARANTEED STANDARD
SEED SOWER

OF THE WORLD.

The Perfection, Jr., Seeder

Distinct and superior in many respects to other makes—simple, durable and reliable. Has ball bearings and is the easiest running seeder made; will do good work with any kind of seed. Put up one in a box. Price, No. 1037, \$1.90.

No. 1037.

No. 4666—9-Inch. Extra quality, bright finish, German make, Volute spring. Price, 75c.; postage, 15c.

No. 4666—10-Inch. Same pattern as above, \$1.00; postage, 15c.

No. 4668—Sheep Toe (see cut.) An 18-inch, malleable Japanned handle, flat brass springs; not generally recommended. Price, 50c.; postage, 15c.

No. 4669—Reiser. A genuine Reiser pattern, with extra blade, extra quality, polished, double brass springs, ratchet nut. Price, \$2.25; postage, 15c.

"Sheep Toe" Clipper.

BRANCH SHEARS

No. 4665.

Eureka Seed Drill

For Kitchen, Garden and Hot Bed. A necessary little tool for everyone who sows in hot beds or has a small garden; saves seed, saves time and produces a better stand. Will sow all kinds of small seed in drills; opening furrow, sowing and closing furrow, all at one operation. Price, No. 1038, only \$1.

Pruning Saws

No. 4663—Duplex. A double-edge saw, with fine teeth on one side and coarse teeth on the other. 12-inch, 50c.; 16-inch, 60c.

No. 4664—California Crescent. A curved saw with teeth on the concave side; best quality steel. 12-inch, 50c.; 14-inch, 60c.

PRUNING SHEARS.

No. 4665—9-Inch. California pattern, German make, black finish, polished blade, Volute spring. Price, 60c.; postage, 15c.

No. 4666—9-Inch. Extra quality, bright finish, German make, Volute spring. Price, 75c.; postage, 15c.

No. 4666—10-Inch. Same pattern as above, \$1.00; postage, 15c.

No. 4668—Sheep Toe (see cut.) An 18-inch, malleable Japanned handle, flat brass springs; not generally recommended. Price, 50c.; postage, 15c.

No. 4669—Reiser. A genuine Reiser pattern, with extra blade, extra quality, polished, double brass springs, ratchet nut. Price, \$2.25; postage, 15c.

No. 4667—Branch Shear (see cut). With handles 26 inches long; will cut stick 1 1/4 inches in diameter. \$1.00.

No. 4670—Waters' Tree Pruners (see cut). A shear mounted on long pole; very convenient for topping trees. Prices: 8-foot handle, \$1.00; 10-foot handle, \$1.10; 12-foot handle, \$1.25.

No. 4671—Pruning Knives. One blade, cocoa handle, iron lined, glazed blade, 75c. each; postage, 10c.

No. 4672—Budding Knives. 3 1/4-inch, one blade, buffalo handle, with white end, brass lined, German silver bolster, full Crocus finish. \$1.25 each; postage, 10c.

Grafting Wax. Best quality, 1/2 lb., 15c.; 1 lb., 25c. Special prices in large lots. Add 16c. lb. for postage.

Raphia — For wrapping scions after budding tree. 20c. lb.; 10 lbs. or over at 18c. Add 10c. for postage.

Beeswax and Rosin—For parties who make their own grafting wax, we can supply at the lowest figures, Beeswax at market price, from 30c. to 35c. lb. Rosin, 1 lb., 10c.; 100 lbs., \$4.00.

LILLY'S CROP BOOK

This little book has been compiled with especial reference to methods and conditions with the Northwestern crop raisers. With each order for seeds amounting to 25 cents or more we will send a copy free to you, provided you will make a request for it at time of ordering. It is well worth a dollar, but we send it as an appreciation of your trade.

The Cahoon is one of the most popular broadcast sowers on the market; positive and accurate in operation, and its force feed throws the seed from 15 to 36 feet, according to weight. Malleable iron frame; steel hoppers and gate, and brass discharger. Price, No. 1035, each, \$3.50.

The New Cyclone Seeder is a good machine and will sow 40 to 60 acres a day, doing good, even work. Price, No. 1036, \$1.90.

No. 1038.

Spraying Materials and Washes

Bordeaux Mixture. Used for destroying a great variety of insects and scale. Prices: 1-quart cans, 50c.; 1-gal. cans, \$1.50.

Kerosene Emulsion. Will kill sucking insects. 1 quart, in tin cans, 60c.; 1 gallon, in tin cans, \$1.50.

Paris Green. Poor Paris Green is dear at any price. The brand we handle is warranted strictly pure and will comply with state laws. Effective against all chewing insects. 1-lb. package, 35c.; 2-lbs., 65c.. Write for prices for large quantities.

Whale Oil Soap. Used as a summer spray for hop louse and green aphid. 1-lb., 10c.; 25-lb., \$2.00; 100-lb., \$6.50.

Bluestone. Used successfully in the winter sprays. Per pound, 8c. If wanted in 100-lb. or barrel lots, send for price.

Hammond's Slug Shot—An excellent preparation for destroying cabbage and turnip lice, potato bugs, currant worms and other insect pests in the garden and orchard.

Price, 15c. lb.; 5-lb. bag, 50c.

Hammond's Grape Dust—A preparation to kill mildew on grape vines, rose bushes, and other vines; also kills mildew, rust, etc. Price, 15c. lb.; 50c for 5 lbs.

Lime—The best stone Lime for spray mixture. Bbl., \$1.25.

Sulphur—Best grade powdered Sulphur. Price, 4c. per lb.; 100-lb. bags at \$2.75..

Salt—Half ground for spraying mixtures. 50c. per 100 lb.

Quassia Chips—Used with whale oil soap for lice or cabbage, cauliflower, etc., and on fruit trees. Lb., 10c.; 10-lb. 70c.; 100 lbs., \$6.00.

No. 1040.

Brown's Tree Soap—For destroying green aphid and other sap-sucking and leaf-eating insects. Per cake, 20c.

POWDER BELLOWS AND GUNS.

For applying sulphur, lime and dry powders on plants, vines, poultry, etc. We have a large variety to select from. Prices as follows: No. 1039, large, \$1.50 each; small, \$1.25. Prices of Powder Gun: No. 1041, Tornado, Defender, or Quick Loader (small), 10c. each; No. 1040, Houchin's or Jumbo (large), 20c. (See also prices of Holly Hand Sprayers.)

Tree and Plant Labels—Packed 1000 in package. Tree labels painted, per 100, 15c.; per 1000, 75c.; painted and wired, per 100, 25c.; per 1000, \$1.25. Pot labels, 4-inch, per 100, 15c.; per 1000, \$1.00; 5-inch, per 100, 15c.; per 1000, \$1.15.

Rattan Reeds—No. 1, per lb., \$1.60; No. 2, \$1.40; No. 3, \$1.30; No. 4, \$1.15; No. 5, \$1.00; No. 6, 90c.

No. 1039.

Hellebore—Especially used for destroying turnip, currant and gooseberry worms, larvae of sawflies, etc. One lb. cans, 60c.

Caustic Soda—Best grades in 10-lb. cans at \$1.00 each.

Babbitt's Lye—Sealed cans, 10c. each; \$1.00 per dozen.

Tobacco Stems—By the bale, \$2.50 per 100 lbs.; less than bale, 5c. lb.

Nico-Fume Tobacco Paper—For fumigating green houses; strongest tobacco paper on market; does not injure blooms. Packed in special tins. 24 sheets, 75c.; 144 sheets, \$3.50; 288 sheets, \$6.50.

No. 1041.

FLOWER POTS AND SAUCERS—made of the best clay

No. 1043.

SIZE.	POTS.				SAUCERS.		
	Ea.	Doz.	100	1000	Ea.	Doz.	100
2½ inch ...	.02	.20	1.75	12.50	...	...	...
3 " ...	.04	.35	2.25	15.00	...	...	...
4 " ...	.05	.50	3.00	20.00	.03	.30	2.00
5 " ...	.07	.70	4.00	30.00	.04	.35	2.25
6 " ...	.10	1.00	5.00	40.00	.05	.50	3.00
7 " ...	.12	1.25	6.00	50.00	.07	.75	3.75
8 " ...	.15	1.60	8.00	70.00	.08	.80	4.25
9 " ...	.25	2.50	...	...	.10	1.00	5.00
10 " ...	.30	3.20	...	...	.12	1.25	6.00
12 " ...	.50	5.00	...	...	.20	1.80	...
15 " ...	.90	9.60	...	...	.25	2.40	...

Flower Pots, Neponset—Unbreakable, light and economical; the only Pot to use for shipping plants; also excellent for greenhouse use. (See illustration.) Prices, per 100: No. 1043, 2½-in., \$3.00; 3-in., \$5.00; per 100: 2½-in., 50c.; 3-in., 75c.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

FIG. 645.

SPRAY PUMPS

SUCCESS KNAPSACK SPRAYER

A Knapsack and Bucket Sprayer combined; 5-gal. copper tank, and brass pump with bronze ball valves. Everyone who does any spraying will welcome the improved form of this popular sprayer. All objections to the Knapsack pattern have been obviated by the improvements, and this sprayer can now be used either as a Knapsack or Bucket sprayer. The straps are extra wide. All our Knapsack sprayers are provided with a mechanical agitator, and a handle at the center of the top of tank. This makes it a handy bucket sprayer. **Prices: Success Knapsack Sprayer, \$11.00; Prize Knapsack, galv. iron, \$7.50.**

THE CENTURY SPRAYER

With submerged brass cylinder, brass ball valves and "Everlasting" plunger packing. For durability, ease of operation, free waterways and positive action generally, this pump stands in the front rank. The automatic agitator is the only one that thoroughly agitates the liquid. These special features give the Century Pump the lead over all other orchard sprayers. The capacity is sufficient for all ordinary purposes. Length of stroke is 5 inches and diameter of cylinder $2\frac{3}{4}$ inches. The air chamber is large, and the discharge is fitted with a "Y" for two leads of $\frac{1}{2}$ -inch hose. The pump is furnished regularly with a cast base with hook bolts to fasten to the end of barrel. This base has a large hole with cover for filling the barrel. It is the easiest of any pump made to mount on barrel.

PRICE LIST.

Fig. 645. Century Sprayer only.....\$11.00
 Fig. 645, Outfit A, same as above, with $12\frac{1}{2}$ -ft. section of hose and Bordeaux Nozzle with pole connection.. 14.00
 Fig. 645, Outfit B, Century Sprayer, with two $12\frac{1}{2}$ -ft. sections of hose, Bordeaux Nozzles and pole connections 16.50

LITTLE GIANT BUCKET PUMP Price, complete, as shown in cut, \$3.

Gasoline Engine Spraying Outfit

For tank on wagon, in spraying orchards and shade trees. The complete outfit is readily mounted on wagon bed or tank wagon. Indispensable for large orchards and parks. Write for full description and price.

KEROSENE ATTACHMENT.—This is essentially the same as the Success Knapsack Sprayer, but has the attachment for kerosene spraying in addition. Kerosene tank is detachable. For full description and price write us.

SPECIAL NOTICE—Every purchaser of one of our pumps receives with same, when requested, a copy of "Spraying for Profit," by Howard Everts Weed, Entomologist; contains 72 pages, highly illustrated. Published price, 20 cents.

LITTLE GIANT.
Fig. 639.

LILLY'S BEST SPRAY HOSE

Lilly's Best 7-Ply. This hose has been tested to 240 lbs. pressure without injury; made of high-grade rubber and long fibre cotton duck woven especially for service. Thoroughly satisfactory for either barrel or power sprayers.

In lengths of 50 feet, coupled before shipment; 25c for coupling charged on $\frac{1}{2}$ and $\frac{3}{4}$ inch hose in 25-foot lengths. **Price per foot:** $\frac{1}{2}$ inch, 15c; $\frac{3}{4}$ inch, 20c.

The Holly Hand Sprayers.

Guaranteed to be of the very best workmanship. For spraying vines, shrubs, plants and hen houses.

Holly No. 2, all brass, .85 Holly No. 3, brass can tin tube, 75
 Holly No. 4, Galvanized tin tube, .65

RIPPLEY'S

Whitewashing, Spraying and Painting Machine saves three-quarters time and labor

Over the brush. Fine for whitewashing poultry buildings, barns, fences, cellars, warehouses, etc. Will whitewash or spray any height by using extra hose to elevate spray. The body is made of No. 24 galvanized steel and is fitted with a first-class ball valve brass cylinder pump, which produces a high pressure. It is fitted with an agitator which works at every stroke of the pump and keeps the solution thoroughly agitated. The top is easily removed for cleaning machine. Every user speaks in the highest praise of the Rippley Machine.

SEND US ONLY \$3 as a pledge of good faith and we will ship C. O. D. one of our No. 6 eight-gallon heavy galvanized steel machines, complete with 10 ft. ½ inch hose, fine brass cylinder pump, 8 ft. extension rod, strainer, and 3 government receipts for preparing whitewash. **Prices:** No. 6, 8-gal. size, complete, \$12.75; No. 7, 15-gal. size, complete, \$15.75. Extra hose, 10c per foot; nozzle, 75c; extra washers, per set, 45c. No. 6 crated weighs 35 lbs.; No. 7, 45 lbs.

RIPPLEY'S COMPRESSED AIR SPRAYERS

Are guaranteed to be the best and most substantial sprayers on the market. Have safety valve, fine brass cylinder pump and a regular Vermoral spray nozzle. The seams are rivetted and double seamed. **They have been tested to 60 lbs pressure.** This is not the cheapest sprayer on the market, but it is the best and will prove cheapest in the long run. Nothing better for spraying trees 25 feet high. **Prices:** 4-gal. galvanized, \$5; 4-gal. copper, \$7; 5-gal. galvanized, \$5.50; 5-gal. copper, \$8; 4-ft. bamboo rod to elevate spray, \$1; 8-ft. rod, \$1.25; 10-ft. rod, \$2.

THE RIPPLEY MACHINES

Are highly recommended by all using them. S. D. Dorrance, manager of Meadow Brook Farm Co., the world's largest poultry plant, of Dallas, Penna., says: "We have been using the large No. 7 Rippley Whitewashing Machine the past summer with very satisfactory results.

At the price they have no equal." The editor of the Western Fruit Grower, St. Joseph, Mo., says that in his trips through various orchards he has seen the Rippley Sprayers tested and used regularly and comes to the conclusion it is the one machine to use in large orchards. The Compressed Air Sprayer overcomes many of the objections in the old style sprayers.

RIPPLEY'S WHEELBARROW COMPRESSED AIR SPRAYER

Handy for spraying lawns, fields, gardens, trees, bushes, etc., where much moving has to be done. Two rows may be sprayed at one time. Requires but two or three minutes to charge with air. Substantial frame and iron wheel 20 inches in diameter; has a 10-gal. galvanized steel tank and brass cylinder pump. It also has two single Vermoral nozzles for spraying two rows. In ordering give width between rows. Length of sprayer over all: 6 ft.; weight, 90 lbs. **Price, complete, \$22.**

This shows the Rippley Wheelbarrow Comp. Air Sprayer Ready for Work

THE WALLACE POWER SPRAYER

A machine that is driven by the wagon wheel and does all that any power sprayer can do. Well built and entirely practical. It costs less than a gasoline engine outfit; no delays waiting for the thing to work; no expense for fuel. Endorsed by fruit growers everywhere. A. S. Congdon, of North Yakima, says: "I am much pleased with what I saw in the operation of the Wallace Spray Pump. It seems to do the work in the best possible manner and with a minimum of labor and expense. I have 40 acres in fruit which is too young to spray, but I expect to buy this machine next spring, as it certainly is the best I have seen." **Prices:** Power Sprayer with air pressure tank, but no hose or nozzle, \$100; with 2 25-ft. leads of hose and 2 nozzles, 2 extension pipes, \$108. Send for our booklet on the Wallace Sprayer.

The Wallace Power Sprayer

THE BONANZA DOUBLE ACTING SPRAY PUMP

FIG. 614.

In design and construction the Bonanza Spray Pump is as near perfection as a spray pump can be made. Its salient features are a very large air chamber, brass lined cylinder, bronze ball valves and seats, guided piston rod, indestructible fabric plunger cup packing, and accessibility of valves and other parts. This is the best orchard spray pump of large capacity. The "pump only," as illustrated, is fitted with 2 Fig. 364 double discharge plain "Y" hose connections (or 3-way Fig. 366 as ordered), each connection having a tight cap on one branch, so that either two, three or four sections of discharge hose can be used at once. It also has eight feet of 1½ inch wire lined suction hose and a suction strainer with nipple and stock nut for attaching to barrel or tank. Cylinder is 2½ inches, stroke 4½ inches. **Prices: Bonanza Pump only, No. 614, \$22. Bonanza Outfit B—Pump with suction hose, 2 25-ft. leads of hose, 2 nozzles and 2 bamboo extensions, with globe valve, \$32.**

Section of extra ½-inch hose, 25 ft. long, with couplings, nozzle and pole holder, \$4.50.

We recommend that Lilly's Best 7-Ply Hose be used with all barrel and power sprayers. It has been tested to 240 lbs. without injury at all, and is eminently the hose to use for heavy pressure. We furnish Lilly's Best Hose with all spray pumps listed on these pages.

The Granger Barrel Sprayer

FIG. 638.

FIG. 650.

We furnish with each pump a wooden base upon which the pump rests, so that you only have to cut a 10x10 inch opening in the top of the barrel, place in the pump, screw it down, and the sprayer is ready to use. In the Granger Pump the cylinder is submerged as in the Century. The diameter of cylinder is 1¼ inches, rendering it easy to operate and maintaining a high pressure. The air chamber is large, and the automatic agitator is similar to that on the other barrel pumps. This pump we can recommend to all fruit growers who want a good sprayer at a lower price. **Prices: Fig. 638, pump only, with "Y" connection, \$9; Outfit A, pump as above, with 12½ ft. of ½-inch hose, Bordeaux nozzle and pole connection, \$12; Outfit B, with 2 sections hose, 2 nozzles and pole connections, \$14.50.**

In addition to sprayers and appliances here illustrated and described, we can get you any other description of pump desired. Write for descriptive pamphlet on Spray Pumps and Nozzles, and state what you desire. The best sprayers are shown here.

Improved Gem Spraying Outfit

Fig. 650. represents our "Gem" Spray Pump attached to our barrel cart. They are listed separately as to price below, but shown together for convenience. The Gem Pump, when used in connection with the barrel cart, can be set either on the right or the left side. The cart can be pushed from place to place, and the barrel can be quickly disconnected or attached while barrel is full or empty. An ordinary barrel can be used and the trunions can be easily attached to same by any person of ordinary mechanical ability. This combination makes a splendid spraying outfit. This pump, illustrated in the outline cut, has a 4-inch stroke and 1½-inch cylinder. The working parts are all brass. **Prices below:**

GEM PUMP.

*Fig. 664. Gem Pump, as per cut and description, with 4 feet of discharge hose and Bordeaux Nozzle\$6.00
Seven-foot section of hose and couplings, with pole connection for Gem pump, extra. 2.00

BARREL CART.

Fig. 650. Barrel Cart, running gear only....\$10.00
Fig. 650. Barrel Cart, complete, with 50-gallon barrel 12.00
Figs. 664 and 650, with barrel, all mounted. 18.00

Modern Spraying Appliances.

3-Way Stop Cock, Fig. 366.

The annexed cuts represent double discharge attachments, used on larger sprayers. Either or both of the discharges may be used. Cap furnished for one end. Single end $\frac{1}{4}$ -inch pipe thread. Double ends, hose thread.

Fig. 366, price, complete as per cut. . . (Cipher, Kestral) \$3.00
Fig. 364, price, complete as per cut. . . (Cipher, Kraal) 1.00

Plain Discharge Y, Fig. 364.

Bamboo Extension Rod, Fig. 751.

This bamboo extension rod is 3 feet long, one end being fitted with brass stop cock into which Figs. 749 and 966 will screw, and the other end fitted for nozzles, Figs. 963 and 965.

Price (Cipher, Kalender) \$1.25

Spray Pipe Extension, Fig. 970.

Fig. 970 is an extension similar to Fig. 751, but is made of $\frac{1}{4}$ -in. iron or brass pipe, 3 feet long. Price, iron pipe, . . (Cipher, Kalender) \$1.00
Price, brass pipe, (Cipher, Kalif) 4.00

Hose Nipple, Fig. 951.

For $\frac{1}{4}$ or
 $\frac{3}{8}$ -inch hose,
(Cipher, Kantian)
\$0.30

Pressure Gauge, Fig. 688.

This gauge is often used on large pumps for orchards, and on white-washing and painting machines.

Price, $\frac{1}{4}$ -inch pipe, . . . (Cipher, Kamzin) \$2.50.

Gauze Strainer, Fig. 367.

Fig. 367 is a strainer of large area covered with fine gauze so that nothing can pass which will clog the nozzles. Furnished with our Barrel Sprayers.

Price, for 1-in. pipe. . . (Cipher, Kantist) \$0.75

Globe Valve

Fig. 753

Can be used on extension pipe.
Price 65 cents.

Nozzle Coupling and Hose Stock, Fig. 749.

This cut represents the hose stock for Spray Nozzles. Has $\frac{1}{4}$ -inch pipe thread, which fits all our nozzles. Opposite end for $\frac{1}{4}$ -inch or $\frac{3}{8}$ -inch hose, as ordered. Fig. 971 pole holder fits this.

Price, as per cut, (Cipher, Keynote) \$0.25

Combination Nozzle and Hose Coupling, Fig. 966.

This brass combination Nozzle and Hose Coupling will fit $\frac{1}{2}$ and $\frac{3}{4}$ -inch male hose coupling. Has $\frac{1}{4}$ -inch pipe thread on small end to fit our spray nozzles. Furnished separately, as listed below. Fig. 971 pole holder fits this.

Price, as per cut, (Cipher, Keyhole) \$0.25

Improved Brass Elbow, Fig. 962.

For underspraying. This fits any of our Nozzle Connections (has $\frac{1}{4}$ -inch pipe thread), and is furnished with Figs. 654, 675, and 976.

Price, (Cipher, Kyantite) \$0.25

Double Spraying Attachment, Fig. 980.

The annexed cut represents a spraying attachment, Fig. 980, for two nozzles. Either Bordeaux or Vermorel may be used. Single end connects to either Fig. 749 or 966. Shown above.

Price, as per cut, . . . (Cipher, Kresote) \$0.50

Extension Pole Holder, Fig. 971.

This improved attachment may be connected to and used with either Figs. 749 or 966 nozzle couplings shown above. For convenience in handling, the hose may be tied to the pole.

Price, as per cut, . . . (Cipher, Kruller) \$0.25

These Cuts Show How
Fig. 971

is attached to Fig. 749
hose stock, and Fig. 966
combination coupling.
See separate cuts above.

Brass Hose Couplings,
Fig. 949.
 $\frac{3}{8}$ -in., \$0.15 $\frac{1}{2}$ -in., \$0.20

Patent Hose
Clamp,
Fig. 955.
 $\frac{3}{8}$ -in., \$0.10

The "Incomparable Bordeaux" Spray Nozzle, Fig. 965.

PATENTED AND TRADE MARK REGISTERED.

The "Bordeaux" Nozzle is the simplest and best combination spraying nozzle on the market. It throws a solid stream or a fan-shaped spray, adjustable to any fineness; is readily degorged by turning the cock handle. It will also throw a long distance coarser spray for spraying very large trees; or it may be shut off altogether—features possessed by no other spray nozzle. Furnished with all of our spray pumps except kerosene sprayers. Fits nozzle couplings, Figs. 749 and 966. We are sole manufacturers of the Bordeaux Nozzle and own the patents and trade mark.

Price, for $\frac{1}{4}$ -in. pipe, as per cut, (Cipher, Keepsake) \$0.75

The "Deming-Vermorel" Spray Nozzle, Fig. 963.

The "Deming-Vermorel" is an improvement on the Vermorel Nozzle. It is very simple in construction and throws a finer spray than any nozzle in use. This nozzle will be furnished with any of our pumps instead of the Bordeaux, when so ordered. Fits nozzle couplings, Figs. 749 and 966. Furnished regularly with kerosene sprayers. Price, for $\frac{1}{4}$ -in. pipe, as per cut, (Cipher, Kestral) \$0.75

The Acme Spray Nozzle, Fig. 960.

The Acme is a light, simple nozzle, which will throw a fine spray or a solid stream as desired, and is popular in some sections. It is furnished with Prize Sprayer, Fig. 669.

Price, (Cipher, Kestral) \$0.40

HOLLY BRAND FERTILIZERS

WHY YOU SHOULD USE COMMERCIAL FERTILIZER.

1st. Because it costs no more to prepare, plant, cultivate and harvest a full crop than it does a half crop.

2nd. The crop that is healthy and a vigorous grower is not nearly so apt to be troubled with insects, scale and other pests.

3rd. On a crop where fertilizers have been used the product is not only greater in volume, but is much better in quality and will sell for more per bushel or hundred weight.

THE COMPOSITION OF FERTILIZER.

In all forms of Fertilizers there are three essential elements, without any one of which the full value of the others cannot be had. These necessary elements are Potash, Nitrogen and Phosphoric Acid, and they must be present in some form in every complete fertilizer.

POTASH. On the Pacific Coast Potash is to be had in only one form, that of Potash Salts. There are three kinds of these, i. e., Kanit, Muriate of Potash and Sulphate of Potash. Wood ashes also contain available potash, but usually it costs more to gather and apply than the Potash can be bought for in the form of Potash Salts. The function of Potash is to produce fruit. It is a very essential item, especially on land west of the Cascade mountains, which is very deficient in this element. The use of Potash will give a heavier and better yield. For instance, when used on hops the crop will have a better color and be much heavier in weight. On strawberries and other fruits the berries will be much larger and of better color. On potatoes and root crops the yield will be very largely increased and the quality will also be improved.

NITROGEN. This is also an essential element. It produces the leaf and the stalk of the plant. Nitrogen is the most volatile of the three elements and, therefore, must be applied every season. It is required in almost all soils, except where crops of clover, peas or other legumes are being or have been grown. We derive Nitrogen from fish guano, dried blood and nitrate of soda.

PHOSPHORIC ACID. This element enables the plant to make full use of the Nitrogen and Potash. While this is a necessary element, yet it is not as conspicuous by its absence in our soils as either of the other two elements above mentioned. Yet, strange to say, about the first thing the average person thinks of applying on soil is bone meal, which is practically nothing but Phosphoric Acid. We derive Phosphoric Acid from the following sources: Bone meal, blood and bone, acid phosphate, fish guano and tankage.

In using Commercial Fertilizer we are benefited not only by the direct result of their use, but also by the fact that they put the ground in better mechanical condition and the chemical action that takes place when this fertilizer is mixed in the ground releases other elements which are in the soil, but which are otherwise unavailable. We have often had objection made to the use of chemical fertilizer, the claim being made that the fertilizer has to be applied every year. This can be easily answered as follows: If you apply the fertilizer and then take off a crop representing as many pounds of Phosphoric Acid, Potash and Nitrogen as you have added, naturally another season you would have to apply the fertilizer again. As the old saying is: "You cannot keep your cake and eat it, too." But for every dollar's worth of fertilizer that you put on your land you should get two dollars' worth of product off it, in addition to what you hitherto had been getting.

With the exception of Potash, which we must derive from mineral sources, all our complete fertilizers are made up from animal matter, the Nitrogen and Phosphoric Acid being derived from animal substances instead of mineral. This makes the fertilizer of much greater value than where these elements are derived from minerals or chemicals. The animal fertilizer retains its value for a greater period of time than does the mineral, and, in addition, has the value of giving a certain warmth to the land, creating in it a tendency to produce not only a larger crop but also an earlier one.

Potash does not perceptibly leach out of the soil, but Nitrate of Soda and Super Phosphate, however, will not remain long in the ground and, unless there exists plant growth to make immediate use of them, will soon be lost. By the use of animal matter to supply the Nitrogen and Phosphoric Acid, a complete fertilizer is furnished that may be applied early and worked into the soil, and if plants do not make use of the full supply the remainder is retained for another season.

It is well to use lime on lands that have a tendency to become sour. This will apply to most of the soils west of the Cascade mountains. Lime sweetens the soil and makes available those elements which, without its use, usually remain in the soil as an unavailable compound.

We cannot too strongly advise the use of Complete Fertilizers, containing the three essential plant foods, unless it is absolutely known that the soil has a sufficiency of any of these ingredients. While we are perfectly willing and glad to supply any of the ingredients separately, yet we are satisfied that better results will be had by the use of our Complete Mixed Fertilizer, as we are well equipped with special machinery for thoroughly mixing. This enables us to prepare a fertilizer of more uniform quality and cheaper than can be done when mixing by hand.

In addition, we are always pleased to make any special mixture where special needs exist. We issue a guaranteed analysis on all our fertilizers, which means that they will usually run over the analysis published, but never under. In shipping to points east of the Cascade mountains we change the formula by adding more Nitrogen and leaving out some of the Potash. Right here we would like to say one word in reference to following formulas published by Eastern fertilizer manufacturers. Our conditions here are peculiar. We do not believe there is another section in the United States where land is

as deficient in potash as in that section west of the Cascade mountains. Therefore, it is necessary that our fertilizers be made strong in this ingredient, while, on the other hand, the land in the Yakima and the Wenatchee country and, in fact, all that section east of the Cascade mountains has, as a rule, a very good supply of potash, but is very deficient in nitrogen. We always bear this in mind when shipping to various points and take into consideration the needs of the various localities to which we are sending.

We employ our own chemist and know exactly what is contained in each brand that we put out. We are making the following special mixtures:

HOLLY BRAND VEGETABLE MIXTURE.

Contains Nitrogen, 3 per cent; Potash, 5 per cent; Phosphoric Acid, 11 per cent.

This is a Complete Fertilizer for general use in gardening or truck farming. It is properly balanced and if from 600 to 1,000 pounds per acre be applied early in the season, at the time of first plowing, the yield of the vegetable garden can be increased from 2 to 5 times the former crop. There is no place where it pays better than in the vegetable garden. As a rule the vegetable garden is cultivated by hand. At any rate, there is always considerable hand work, which is by long odds the most expensive part of the vegetable garden and if, by the use of Complete Fertilizers, one acre can be made to produce as much as two or three formerly did the cost of the fertilizer is paid for in the saving of the labor alone. Not only will the production be vastly increased, but there will be very few weeds to fight, as the weeds come very largely through the use of stable manure.

Where experiments have not been carried out and the specific needs of the soil determined, it becomes necessary to assume that all the constituents are required, and to apply the amounts and proportions of those which the general consideration of the soil, season, climate and crop would seem to demand. Except in special cases, such as celery, where it is well known that Kanit is the most valuable, a Complete Fertilizer containing Nitrogen, Phosphoric Acid and Potash should be used. It will not only increase the yield, but will also give a much earlier maturing crop.

HOLLY BRAND LAWN DRESSING.

Contains Nitrogen, 5 per cent; Potash, 5 per cent; Phosphoric Acid, 8 per cent.

This is particularly adapted for use on lawns. It is odorless, and, while part of it is quickly available, yet by the use of animal fertilizer good results will be shown for two years after applying. This fertilizer is also adapted to the flower garden, and will show good results in the vegetable garden, although if a fertilizer is wanted in large quantities for vegetables it would be better to make use of those made for special crops. One hundred pounds of our Lawn Dressing is equal to one load of stable manure and should be used in the quantity of about one sack to the ordinary city lot. As the Complete Fertilizer is very strong and concentrated, care should be used in applying to see that it is not put on the lawn in lumps or handfuls, but should be spread evenly.

New lawns should receive a heavy application, which should be raked into the soil thoroughly. Old lawns should receive one application in the fall and another in the spring. If, however, it is impossible to do this, both applications can be made in the spring, from thirty to sixty days apart. Much better results will be had from either of these methods than to apply a large quantity at once. Old lawns should have a light sowing of grass seed once a year. To maintain a good lawn apply the fertilizer once a year, as lawn grass is a heavy feeder and will not keep its beautiful dark green color and velvety appearance unless a sufficient amount of suitable plant food is supplied. One great advantage in the use of the Complete Fertilizer is the absence of weeds and foreign plants that always follow where barnyard manure is used.

It is better to use the Complete Fertilizer during the fall, winter or early spring, but it may be safely used at any time (except in very hot weather) if the lawn is well sprinkled every day for two weeks after the Fertilizer is applied.

HOLLY BRAND HOP MIXTURE.

Contains Nitrogen, 4 per cent; Potash, 10 per cent; Phosphoric Acid, 8 per cent.

This is a Complete Fertilizer mixed especially for hops, and should be used in the proportion of about 500 pounds to the acre. The composition of this mixture is a formula used for the White River and Willamette River Valleys. For the Yakima Valley we add Nitrogen and use less Potash. An average crop of hops takes out of the land 53 pounds of Potash, 23 pounds of Phosphoric Acid and 84 pounds Nitrogen. In order to continue getting big crops it is necessary to replace all three of these elements. It is quite evident that if only one of these elements is replaced, the Nitrogen, for instance, by the use of Dried Blood, in order to produce a crop larger than ordinary, the soil is robbed of phosphoric acid and potash. This can not be kept up indefinitely; in fact, for not more than two or three years, without showing serious results.

Our Hop Mixture contains more potash than would seem to be necessary on first thought, but when one comes to consider that Nitrogen is present in considerable quantities in most of our soils, being placed there by the decaying of vegetable matter, barnyard manure, etc., it will be evident to the hop farmer that the above formula will answer in 99 cases out of 100. Our Hop Mixture can be used in connection with stable manure to excellent advantage.

HOLLY BRAND CLOVER MIXTURE.

Contains Potash, 11 per cent; Phosphoric Acid, 12 per cent.

This is especially adapted for use in fertilizing the plots that are to raise Clovers, Beans, Peas, and other legumes. Where clover is grown year after year it is unnecessary on most soils to apply fertilizers, as the clover and other plants of a similar nature, such as vetches, peas, beans, etc., are themselves soil enrichers. But in starting a crop of clover 500 pounds per acre of our Holly Brand Clover Mixture will show handsome results. On land that is deficient in potash and phosphoric acid a yearly application of the above Mixture will give a much heavier crop of peas, beans, or other grain than where no fertilizer is used. It should be remembered the ingredients contained in this Clover Mixture are those ingredients not furnished through the agency of the clover itself.

HOLLY BRAND POTATO MIXTURE.

Contains Nitrogen, 3 per cent; Potash, 11 per cent; Phosphoric Acid, 6 per cent.

Particularly adapted for Potatoes, Mangels, and other root crops. You will notice it is very high in the percentage of Potash, which is an essential element for those crops. The

proper amount to use is between 800 and 1,000 pounds to the acre, to secure best results. One ton of our Potato Mixture contains as much available Nitrogen as six tons of mixed stable manures, as much Potash as eighteen tons of manure, and as much Phosphoric Acid as twenty-one tons manure. If the different elements in stable manure were properly proportioned no less than 15 tons would be necessary to equal one ton of our Potato Mixture, but on account of the excess of Nitrogen and the great shortage of Potash and Phosphoric Acid more and better results are secured from one ton of the Potato Mixture than from twenty tons of stable manure, the excess amount of Nitrogen being wasted. This excess of Nitrogen makes tops, but not roots. It also has the tendency to prevent the ripening of plants, and, especially in the case of potatoes, a heavy application of stable manure will cause scabby, misshapen tubers.

The complete Potato Mixture should be applied one week before planting early potatoes, and if possible should be applied at least a month before planting a late crop.

HOLLY BRAND GRAIN MIXTURE.

Contains Nitrogen, 2 per cent; Potash, 6 per cent; Phosphoric Acid, 8 per cent. This Fertilizer is adapted to all varieties of grains. It contains a large proportion of both Phosphoric Acid and Potash. Use from 300 to 500 pounds per acre to secure the best results. It is well known that to produce grain abundantly a fertilizer must be used proportionately rich in Potash and Phosphoric Acid, and for this reason barnyard manure does not form a complete fertilizer, but may be used to advantage with our complete Grain Mixture. An excess of Nitrogen, such as is contained in barnyard manure, causes a tall, rank stalk, which is of poor color and has a light yield of grain. Also, in land that lacks potash and phosphoric acid plants will not stool out as they should, and what grain does mature will be thin and light. The potash is absolutely necessary for flowers and seed and the phosphoric acid hastens the maturity of the grain and furnishes the starch, sugar and fat content.

HOLLY BRAND STRAWBERRY MIXTURE.

Contains Nitrogen, 4 per cent; Potash, 9 per cent; Phosphoric Acid, 8 per cent. Peculiarly adapted to the fertilization of Strawberries, Raspberries, Tomatoes, and the various fruit crops. An application of from 400 to 700 pounds per acre on land to be devoted to the cultivation of berries and fruit will give a largely increased yield. The Potash which is present in this Mixture will give the fruit a much better color. This Mixture also makes a fertilizer that can be used in connection with barnyard manure to excellent advantage. It has been proven that the lack of color in apples and other fruit grown in Western Washington and Oregon is due more to the absence of potash than to the lack of sunshine. With the proper use of the right kind of fertilizer, apples can be grown in this section that for color will nearly equal those grown east of the mountains. There is also the advantage that the scale and insect pests will not be half as troublesome where a good fertilizer is used in generous quantities. On small fruits it is hard to estimate the advantages to be derived from the use of a Complete Fertilizer. The crop is of much better quality and always sells at the top figure of the market, and when prices are low will sell when poorer grades are hard to dispose of. Fruit grown on land that has been furnished a dressing of Complete Fertilizer is harder and stands shipping better than ordinary.

HOLLY BRAND FOOD FOR FLOWERS.

Contains Nitrogen, 2 per cent; Potash, 4 per cent; Phosphoric Acid, 6 per cent. This is a special preparation for fertilizing the soil in which are grown flowering plants, either in the pot or in the garden. It is to be dissolved in the water used to water the plants, and its effect will be to make the plants take on a more healthy growth, attain a greener and more beautiful appearance and throw out a greater profusion of flowers. It is also valuable for cut flowers, as it will keep them in fresh condition much longer and preserve the color. When flowers are to be repotted the Food for Flowers should be used to fertilize the new soil, rather than to use stable manure.

IN CONCLUSION.

Remember that the fertility and the usefulness of soils are not measured by the most abundant fertilizing element therein, but by the one that is most lacking. Just as a chain is measured by its weakest link, so is the producing capacity of the land measured by the fertilizing element that is most lacking.

Besides our Complete Fertilizers, we are large importers of Chemical Fertilizers and large exporters of Animal Fertilizers. Prices on these are shown below; but are subject to market fluctuations. We will, however, be glad at all times to figure on carload lots or less.

PRICES OF FERTILIZERS.

Name.	Weight of Bags.	Price.		Nitrogen.	Analysis.	
		100 lbs.	Tons.		Potash.	Phos. Acid
Lawn Dressing.....	100 lbs.	\$2.25	\$40.00	5 per cent	5 per cent	8 per cent
Clover Mixture.....	100 lbs.	1.95	34.00		11 per cent	12 per cent
Hop Mixture.....	100 lbs.	2.25	40.00	4 per cent	10 per cent	8 per cent
Potato Mixture.....	100 lbs.	2.00	35.00	3 per cent	11 per cent	6 per cent
Strawberry Mixture..	100 lbs.	2.20	40.00	4 per cent	9 per cent	8 per cent
Grain	100 lbs.	1.65	28.00	2 per cent	6 per cent	8 per cent
Vegetable	100 lbs.	2.00	35.00	3 per cent	5 per cent	11 per cent
Food for Flowers, only						
25c Packages				2 per cent	4 per cent	6 per cent.
Kanit	225 lbs.	1.50	20.00			
Muriate	225 lbs.	3.50	58.00			
Sulphate	225 lbs.	3.75	60.00			
Nitrate	225 lbs.	3.75	62.00			
Blood and Bone.....	100 lbs.	1.75	32.00			
Fish Gano	100 lbs.	2.25	40.00			
Super Phosphate....	225 lbs.	2.00	33.00			
Land Plaster.....	100 lbs.	1.00	18.00			
Tankage	100 lbs.	1.75	32.00			
Bone	100 lbs.	1.75	32.00			

NITRO-CULTURE, THE REMARKABLE NEW SOIL INOCULATOR—SEE PAGE 93

THE MODEL INCUBATORS

Made by CHAS. A. CYPHERS.

Model No. 2.

lends emphasis to the claim that they are the best machines on the market. They embody beauty in design, accuracy and economy in operation, and a larger percentage of hatch than others.

PRICES:

No. 0, 60-egg, 95 lb..\$16 No. 2, 220-egg, 117 lb..\$32
No. 1, 120-egg, 140 lb.. 23 No. 3, 360-egg, 227 lb.. 44

THE MODEL BROODERS

These Brooders embody several distinct features not found in other makes, thus placing them at the top of the Brooder list. The fresh, warm air is carried in above a screen in the top of the hover, and then gently diffused downwards. No current of air strikes the chicks, nor are they subjected to a high

Double Indoor Brooder.

For a fuller description of the Model Incubator and Brooder, Write for Our Incubator Catalog.

SEATTLE PRICES OF BROODERS:

Single Indoor, 3x3 ft., 107 lbs., \$12.00
Double Indoor, 3x6 ft., 185 lbs., \$15.00
Model Colony Brooder, 3x6 ft., 250 lbs., \$16.00

For full instructions regarding the care and operation of Incubators, write for a copy of our book, "Livestock and Poultry in the Northwest."

Model No. 1.

radiated heat. The hover temperature is equable, the heat mild and the surplus heat of the lamp goes to keep up the general temperature of the nursery. The double brooder is partitioned in the middle and takes but one lamp to heat both rooms. The Colony Brooder is for outdoor use, and is a very substantial and durable machine.

Model Colony Brooder.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

THE L. & B. BROODERS—MODEL OF 1905

**THE ONLY BROODERS BUILT WITH A VIEW TO MEETING
CONDITIONS ON PACIFIC COAST**

In the L. & B. Brooders, 1905 model, we offer our customers one of the finest constructed and most successful Brooders on the market—machines that are especially adapted to raising chickens in this climate,

containing double floor space and superior in other particulars. Since last season we have made some changes for the better in the L. & B. Brooders. We are now using that most excellent device, Lilly's Never-Smoke Lamp, illustrated and described on another page. It always burns brightly, is economical of oil, safe, and never smokes.

Both indoor and outdoor brooders are the same in the matter of heating, forced ventilation and the circular-hover system. The lamp is conveyed into position directly under the circular, cone-shaped

heater by means of a slide, which is reached through the door at the front of the brooder. The heater is constructed in such a way, and with double domes—one over the other—that the space between forms a water-tank; and in connection with and around the double domes is a hot-air chamber for warming and forcing the pure ventilating air under the hover.

The circular-hover system and method of applying heat prevent the chicks from crowding or overheating, as all parts of the heater are circular, and, if the temperature under the hover becomes warmer than they like, the chicks can move into the brood chamber proper, where the temperature is several degrees cooler. We can also furnish hovers with a first-class heat regulator that will maintain the heat at any degree wished.

THE OUTDOOR BROODER.

The L. & B. Outdoor Brooder is one of the best individual brooding devices on the market; it can be depended upon to do its work at all times. It is a complete home in itself, and will care for small chicks better than the average hen, with absolute freedom from lice, tramping of the chicks and other troubles incident to the "natural method." It is divided into two large, well lighted apartments. The front apartment shown in the illustration is subdivided into two apartments—one beneath the hover, and a roomy chamber outside the hover. This outside chamber is lighted by two windows. The floor beneath the hover is double—one iron and one wooden—while that of the hover chamber is single thickness. The well-lighted hover chamber insures healthful sleeping quarters for the chicks. The covered runway and feeding compartment in the rear and lower portion make this machine invaluable, affording the chicks a warm chamber in which they can have food and water and exercise in all kinds of weather. This brooder is built down close to the ground all around, thus permitting no cold air to get under the floor and chilling the feet of the chicks. The general construction of the machine is first-class, only thoroughly kiln-dried cedar being used. The tops never leak.

THE INDOOR BROODER

The Indoor Brooder is designed for inside use, as in a brooder house, in a room, or under a shed or shelter of any kind. A broad runway can be hinged to the brooder for feeding and watering the chicks while young, and to serve as an incline on which to walk up and down. Its construction is similar to the Outdoor Brooder—with the exception that it has no covered runway.

PRICES: L. & B. Indoor Brooder, without runway, \$10.00; L. & B. Outdoor Brooder, \$12.00; Lilly's Never-Smoke Lamp is furnished in both styles.

THERMOMETERS

Incubator Upright—Specially tested and guaranteed accurate. Each, 75c, postpaid.

Incubator Reclining—This is to be laid over the eggs and may be placed in such position that it can be read without opening the glass door. Each, \$1.00, postpaid.

Brooder Thermometer—Will fit any brooder. By mail, postpaid, 50c.

For full instructions about the care and feed of the little chicks be sure and send for a copy of our book, "Livestock and Poultry in the Northwest." It tells how to care for them in the brooder and what to feed the first six weeks.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Humphrey Green Bone and Vegetable Cutter

The Humphrey Open Hopper Green Bone and Vegetable Cutter is the best Bone Cutter made. The hopper is always open, whether the machine is filled or empty, which allows the bone to be dropped into the machine immediately after cutting the string of the package. There are no split nuts to be taken apart, no followers to be handled, as in all other makes of Cutters, and you do not have to cut the bone into small pieces with an ax, as is required by other machines. The machine does the cutting—simply drop the bone into the machine and immediately commence to cut the bone. All parts of the Humphrey Open Cutter are exposed at all times for cleaning. There is no possibility of the cutter-head clogging, owing to the immense clearance of the cutters. Made in six sizes to suit the wants of the keeper of twelve hens, or the large poultry farm.

PRICES:

No. 1.	Hand Power	\$14.00
No. 2.	Semi-Power	15.70
No. 2½.	Hand and Power	18.00
No. 3.	Direct Power	40.00
No. 4.	Geared Power	50.00
No. 6.	Medium Power	24.50

Write for our fine illustrated Humphrey Cutter Catalog.

No. 1 Hand Cutter

HUMPHREY GRIT MORTAR

Hen's teeth must be supplied in some form of grit, and there are few places in our country where you do not find glistening granite bowlders, flint or hard rock which can be reduced into a satisfactory grit. The Humphrey Grit Crusher will break up enough grit in half an hour to last your fowls several weeks, and the material costs you nothing. Price, \$4.00; weight, 40 lbs.

POULTRY SUPPLIES

Of every description can be obtained from us. A large number of the goods needed by every poultry raiser are listed in these pages. If you desire any special article in this line we shall be pleased to hear from you—and may be we can accommodate you. Write for our different catalogs and pamphlets.

It is economy to get the best, especially when they cost you no more than the poorer article.

Humphrey Rapid Clover Cutter

A heavy, well-finished machine to cut clover and alfalfa hay into pieces one-eighth inch and less. By the ingenious use of plates and screens all long stems are passed back to the cutters to be recut, so that the product is of even length and of a size that makes it the best prepared green food given to poultry. Forty cuts of the knife for each revolution of the hand wheel makes speedy work of clover cutting, and the heavy balance wheel makes easy work for the operator. The bed knife is double-edged, giving double the wear of any clover cutter on the market.

PRICE LIST

Bench Clover Cutter, weight 85 lbs.....	\$10.00
Stand Clover Cutter, weight 105 lbs.....	12.00

Rapid Clover Cutter

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

FEED AND DRINKING FOUNTS

Galvanized Iron Wall Founts—Keeps the water from being fouled with litter, yet within easy reach of the fowls; easily cleaned and filled. **Price:** No. 1009, 1 gal. size, 75c; No. 1008, 2 gal., \$1.00.

Sanitary Grit & Shell Box—Self-feeding and to be hung up on wall just in reach of chickens; has three compartments. Made of galvanized iron. **Price:** No. 1010, 75c each.

L. & B. Feed Troughs—Made of wood, light but strong; chicks cannot get in the trough, but must stand alongside to feed. **Price:** No. 1001, 18 in., 15c each, \$1.50 doz.; No. 1002, 24 in., 25c each, \$2.00 doz.; No. 1003, 30 in., 35c each, \$3.00 doz.

LILLY'S NEVER-SMOKE BROODER LAMP

The latest and best lamp for the brooder; requires no chimney; never smokes, but burns a steady flame. The arrow in cut shows the air fingers that carry fresh air direct to the flame. This gives perfect combustion and more heat for a given amount of oil than with any other burner. A water chamber is on top of lamp to keep oil and burner cool, and prevent any chance of explosion. **Price,** No. 1011, 90c.

Burner only, for common lamps, 35c. each.

Petaluma Feed Trough—Made of heavy galvanized iron, edges all rounded. **Price,** No. 1007, 50c each.

Prairie State Drinking Founts—Water kept fresh and clean; chicks cannot get in and drown. **No. 1004,** 1 qt., 25c.; **No. 1005,** 2 qt., 30c.; **No. 1006,** 1 gal., 35c.

Eyrie Egg Box

For shipping high-class egg settings; made of jute board, partitioned and automatically locked. Partitions are double-faced corrugated paper, having a dead air space that is proof against sudden changes in temperature. No. 1012, 15 eggs, 25c each, 6 for \$1.25. 12 for \$2.40; No. 1013, 30 eggs, 35c each, 6 for \$1.75, 12 for \$3.25.

Eyrie Shipping Coops

Strongly built, but light and durable; size is just right to keep birds from turning and injuring tail feathers; proof against drafts, but well ventilated. No better coop on market. No. 1014, 12x18x21½, 4½ lb., for single birds or pair of Mediterraneans, 40c each, \$3.60 doz.; No. 1015, 19½x22x21½, 7 lb., for large birds, 60c. each, \$6.00 dozen.

Earthenware Drinking Fountains may be had of us if desired. Many consider them the best and most practical fount, and they have the advantage of keeping the water cool and sweet on the hottest days. They are sent only by freight or express, at purchaser's risk. Price: Small, 35c.; large, 50c.

EGG TESTER—No. 1017.

Egg Testers

An important appliance for the poultry raiser. Fits any No. 2 lamp burner. We send it free with every incubator. Price alone. No. 1017, 35c, postpaid.

Brooder Lamps. If your brooder lamp is not giving satisfaction order one of Lilly's Never-Smoke Lamps, described on page 92. It costs only 90 cents, and is the only lamp to use. The ingenious device indicated by the arrow places this lamp ahead of all others. Made of galvanized iron.

Paper Egg Boxes

Just the thing for the family egg trade; neat in appearance and very handy. Prices: No. 1016, 100, \$1.25; 1000, \$11; 5000 @ \$10.50 per M. Printing extra.

Uncle Ben's Nest Egg

Being medicated with a powerful disinfectant these eggs serve as a lice killer in addition to being nest eggs. Each, No. 1018, 10c; per doz., 50c; 3 by mail, 25c; doz. by mail, 80c.

Opal Porcelain Nest Eggs

Do not break easily and will last a lifetime. Price for 2, No. 1019, 5c; per doz., 30c.

NITRO-CULTURE. A new way of fertilizing the soil by inoculating with nitrogen-gathering bacteria—recently discovered. The germs come ready for use in a form called Nitro-Culture, in small dry packages. Full description on application. Nitro-Culture sufficient to inoculate one acre of alfalfa, the clovers, cow peas, beans, vetches, peanuts, etc., is sold at \$2.00, and for garden peas or sweet peas, at \$1 for one-half acre. Write for pamphlet and prices.

Smith Sealed Leg Bands

Never comes off unless destroyed; best means of identification. Order by number: No. 1020-1, Bantams and small Mediterranean females; No. 1020-2, ordinary Mediterranean and Pit Game females; No. 1020-3, Mediterranean and Pit Game males, American and French females; No. 1020-4, American males and medium Asiatic females, turkey hens, etc.; No. 1020-5, ordinary large Asiatics and Tom Turks; No. 1020-6, extra large Asiatics and large Tom Turks. Doz., 30c; 25, 50c; 5 doz., \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1000, \$12.50. Sealer, No. 1021, plain, 50c; with lettered jaw, 65c.

No. 1021

Petaluma Poultry Marker

Nickel plated and made in two sizes, the larger adapted only for grown fowls. Price, No. 1022, either size, 25c.

No. 1022.

Climax Leg Bands

Most popular bands on the market; superior to flat bands for feathered legs; easy to put on and will stay on. Rings made of spring brass, tags of aluminum. Give breed of fowl for which wanted when ordering. Prices: No. 1024, doz., 25c; 25 for 40c; 50 for 75c; 100 for \$1.25, postpaid.

No. 1024

Reliable Spring Lever Punch

The best poultry marker in the market; makes a clean cut and can be handled in any position. Handle is self-opening, having a strong coil spring around the plunger. Mention style by number. Price, No. 1023, 25c, postpaid.

No. 1023.

Caponizing Instruments

Capons are much easier to keep together without fighting than roosters, and they make larger fowls and sweeter and finer meat, and sell for more money. Our caponizing set consists of German silver instruments, in a fine velvet case. Price, No. 1025, complete, with book of instructions, \$2.50.

Lightning Lice Killing Machine

A new and the most effective method of ridding fowls of lice. From five to twelve fowls can be treated at once more effectively than one by hand, and with less injury than by any other method. Place the fowls inside, sprinkle a little lice powder on them and turn the crank slowly a few times. Price: No. 1026-1, for chicks, \$3.00, with half can of lice powder; No. 1026-2, for ordinary work, \$4.00; No. 1026-3, for large fowls and turkeys, \$5.00.

HOLLY CHICK FEED Means Profit for the Poultry Man

If fed from the start you will have bright, healthy chicks, and if the chicks are given nothing else but green stuff and water you can raise 95 per cent of them to the age of six weeks at a cost of two cents each. Every one who has raised poultry knows that the critical time is then over. With this feed incubator chicks are a success. With the methods usually followed there is too great a mortality among the young chicks the first six weeks. Good care and an exclusive Holly Chick Food diet will reduce this mortality to the minimum.

M.M.S. Poultry FENCING

Patented July 21, 1896 and July 6, 1897

Made of the best No. 19 galvanized steel wire, strengthened by a cable selvage and a cable every foot in the height of the fence. Requires but few posts and no top or bottom rail. Prices follow:

Height.	Per roll.
24 inches	\$2.50
36 inches	3.25
48 inches	4.00
50 inches	4.75
72 inches	5.50

Five per cent discount on 5 bales; bale is 10 rods long. Less than roll, 2c square foot.

HEXAGON FENCING

Best fencing for a variety of purposes; cannot warp. Galvanized after woven, making a much better and stronger netting. Roll is 150 ft. long. Price per roll:

	12 in.	18 in.	24 in.	36 in.
2-in. mesh	\$0.80	\$1.15	\$2.00	\$2.25
1-in. mesh	2.00	2.80	3.60	5.65
	48 in.	60 in.	72 in.	
2-in. mesh	\$3.00	\$3.75	\$4.50	
1-in. mesh	7.20	8.65	10.50	

REMEDIES FOR THE DAIRY

Dairymen should send for our Special Dairy Supply Catalog.

Kow Kure—Prevents and cures abortion, barrenness, retained afterbirth, milk fever, red water, swelling in bag, etc.; the best medicine for cows. **Large can, \$1; small, 50c.**

Bug Balm—Relieves and cures disorders in cows' udders and teats. A necessity in every dairy stable. **Price, 50c**

Grange Garget Cure—A certain cure for garget. **Price, 50c.**

Flyo-Curo—An indispensable remedy against flies and mosquitos, and should be in every stable; also good for horses. **Qts., 50c.; gals., \$1.25.**

Dairy Washing Powder—Especially prepared for dairies and creameries; absolutely pure. **100-lb. barrel, \$6.**

Calves' Cordial—A positive cure for scours in calves and cows. **Per package, 50c.**

Cows' Relief—Heals sore teats, relieves inflammation, etc. **Price 50c.**

Common Sense Calf Feeder—The only feeder to use. **Single feeder, \$1.50; double, \$2. By express, 25c.**

STABLE SUPPLIES

White Rock Hoof Packing—No. 1, for 8 lbs. packing, 25c.; No. 2, 17 lbs., 50c.; No. 3, 40 lbs., \$1; 25-lb. box for 125 lbs. packing, \$2.75.
American Horse Tonic.....\$.50
International Gall Cure.....25c. and .50
International Worm Powder......50
International Colic Cure.....50c. and 1.00

International Harness Soap and Dressing,
 1 lb., 25c.; 10 lb.....1.00
Arabian Scratches and Gall Cure..... .50
International Heave Cure......50
Silver Pine Healing Oil.....25c, 50c 1.00
Honey Tar Foot Remedy.....50c 1.00
International Quick Cleaner......25

LIVE STOCK IN THE NORTHWEST

We have issued a valuable booklet bearing the title of "Northwestern Livestock Album." It tells the stockman and poultryman what to feed his cows, horses and poultry; how to treat them in case of sickness; how to select the best animals; what breeds are best suited for various purposes; how to operate incubators and brooders, etc. It also tells all about Lilly's Best Stock Foods and Poultry Foods, Lilly's Best Lice Killer and Insect Powder, Holly Chick Feed, L. & B. Scratch Food, Common Sense Egg Food, and all other foods made by us. A copy of the booklet will be sent you free, if you have not already received a copy.

LILLY'S BEST STOCK AND POULTRY FOODS.

Our Stock and Poultry Foods are carried in stock by dealers in almost every town and city in the Northwest. If your town has no dealer who carries our Foods please write us and state quantity you will probably want.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

LILLY'S BEST POULTRY FOOD

Lilly's Best Poultry Food is an all around reliable medicated food for poultry. It is a special preparation of seeds, roots and herbs, carefully selected, ground and blended in the proportions that make it most nutritious and healthful for poultry. Being a medicated food, it gives remarkable results in the way of preventing disease and making the hens lay. It is a great growth stimulator, and tones the digestive organs, purifies the blood and keeps the whole system in perfect working order. It can be fed to poultry summer and winter, and never fails to increase the production of eggs.

For the laying hens Lilly's Best Poultry Food, mixed with a soft feed, such as Common Sense Egg Food, will be a great help in keeping their digestive organs healthy and vigorous and the system in prime condition. It acts in the same way in the case of the fattening hens, thus enabling them to consume and properly digest a larger amount of grain and making the gain in weight more rapid.

Prices: Small package, 25c.; large, 50c.; pails, \$2.50; barrels, \$8.00.

L. & B. SCRATCH FOOD

L. & B. Scratch Food is an all grain poultry feed—a mixture of an extensive variety of grains, including millet, sunflower, wheat, corn, oats, barley, kaffir, rape and hemp, together with a small amount of beef scraps, granulated bone, animal charcoal, grit and shell. Any practical poultry raiser will readily see that such a diversity of feed cannot fail to have beneficial results, both on laying hens and growing stock. This Scratch Food is the result of practical and continued experiments in feeding. One sack will feed 2000 hens one time. For the protection of our customers we have adopted the practice of putting L. & B. Scratch Food up in 100-lb. bags that are sewed with red and green twine and sealed with a lead seal bearing the letters L. B. & Co. We also put it up in 10-lb. paper packages that bear our trade mark and are tied with red and green twine.

Prices: 10 lbs., 25c.; 100 lbs., \$2.00; special prices by the ton.

Never Used Its Equal.—In regard to the L. & B. Scratch Food I have never used its equal for laying hens. Will never feed anything else as long as I can get L. & B. Scratch Food.—Mrs. Julia Nielsen, Auburn, Wash.

Eggs Increased One-Third.—I have been using your L. & B. Scratch Food for some time and think it is the best chicken food I ever used. We are getting more than one-third more eggs since using it.—F. A. Smith, Sedro-Woolley, Wash.

MICA CRYSTAL GRIT.—This is a natural rock, containing the right proportions of mica, quartz, iron and magnesium. Prices: 10 lb., 25c.; 100 lbs., \$1.50.

BLOOD MEAL FOR POULTRY.—The Blood Meal offered by us contains no ground bone or other cheap adulteration of any kind. It contains less than 5 per cent. of moisture, and is a most complete and economical poultry and egg food. Blood Meal is also a valuable feed for growing calves. Price: 100 lbs., \$4.50.

GRANULATED BONE.—By getting our Granulated Bone you do not pay freight on moisture or grease. Granulated Bone is especially valuable as an egg-shell producer, and has the good quality of providing poultry the phosphates, lime and protein that they need. Prices: 5 lbs., 15c.; 10 lbs., 25c.; 50 lbs., \$1.25; 100 lbs., \$2.00.

RAW BONE MEAL.—This is made from fresh bones and is of the same stock as the Granulated Bone, but is ground finer. Prices: 10 lbs., 40c.; 100 lbs., \$2.50.

CHICAGO BEEF SCRAPS.—Pure meat, cooked and dried; invaluable for the hens and growing fowls. Put up in 5-lb. and 10-lb. packages, and 100-lb. bags. Prices: 5 lbs., 25c.; 10 lbs., 45c.; 100 lbs., \$3.50.

GRANULATED CHARCOAL.—The use of Charcoal about the poultry house is a necessity. It aids digestion and promotes the health of the chicks. The Charcoal sold by us is animal charcoal, pure and free from dangerous poisons. It is sold either in the granulated or pulverized form. Prices: 5 lbs., 50c.; 100 lbs., \$8.00.

INTERNATIONAL POULTRY FOOD.—Poultry Food which prevents sickness, promotes good health and causes young chicks to grow rapidly. Put up in 25c., 50c. and \$1 pkgs and 25-lb. pails.

Common Sense Egg and Feather Food

In Common Sense Egg and Feather Food we have a food that contains all the elements necessary to build eggs and to make the feathers grow. It is prepared especially to meet the needs of both moulting and laying hens. It is a food that makes muscle, bone, feathers and egg constituents. The moulting period is a most trying one for the hens, and they need some concentrated food that will enable them to pass through it quickly and with the smallest percentage of loss of vitality. If you want your hens to quickly complete the moulting process, and to have a beautiful, glossy plumage, just feed them all they want of Common Sense Egg and Feather Food. With a regular feed of Common Sense Egg and Feather Food the laying hens will lay at least 33 1-3 per cent. more eggs.

Prices: 10 lbs., 25c.; 100 lbs., \$2.00.

It is Just the Thing.—I think your Common Sense Egg Food is just the thing, and shall use it more thoroughly just as soon as we can get in shape to do so.—M. Rice, Snohomish, Wash.

Would Not Be Without It.—I have used your Common Sense Egg Food for over a year and find it to prove satisfactory, and would not be without it.—Lorenz Lorenzen, Arlington, Wash.

Makes Hens Lay Everywhere.—We think your Common Sense Egg Food the best we have ever tried. It makes the hens lay in the houses and over the yards; then they are healthy and happy.—C. C. Tumicliiff, Montesano, Wash.

L. & B. GRANULATED SHELLS.—Many carloads of these Shells are manufactured every year by us, and poultrymen all over the Northwest are unanimous in their testimony that these Shells make the cheapest and most satisfactory grit and lime producer ever put on the market. The analysis of the L. & B. Shells shows them to be almost identical in composition with the shell of a hen's egg.

Prices: 10 lbs., 20c.; 100 lbs., \$1.25.

HOLLY CHICK FEED

This is a complete food for young chicks. It is a mixture of eleven different grains and seeds, so proportioned that they meet the needs of the growing chicks and fully nourish them. By the term "fully nourish" we mean a great deal. Chick foods, as a rule, contain too large a proportion of fat-forming elements and not enough for bone and muscle, and in consequence the chick develops indigestion and diarrhoea, which means it must soon starve to death. Or, if partially nourished, leg-weakness develops and the chick drags out a miserable existence for a period of greater or less length. Holly Chick Feed is a complete and properly balanced ration, ready for use, and when you feed it to your chicks you are relieved of all concern. Holly Chick Feed is properly balanced because, in compounding it, the protein, or flesh-and-muscle-forming element is in sufficient amount to supply the needs of the rapidly growing bird.

We have put a great deal of honest effort into the manufacture of Holly Chick Feed. It has been our aim to make absolutely the best food for young chickens. No expense and no trouble are spared to make it the best. It is always the same. Every pound of material is weighed with as much care as the druggist uses in putting up prescriptions. We put the material through a large machine that mixes all the ingredients thoroughly. These ingredients are each of the right proportion. By using Holly Chick Feed you save enough young chicks to more than pay for the feed.

Prices: 5 lbs., 25c.; 10 lbs., 50c.; 100 lbs., \$3.50.

Thinks It Perfect.—I think your Holly Chick Feed is just perfect. I have been feeding it for two months and have not lost a chick.—Mrs. R. Malcolm, Cedar Cove, B. C.

Chicks Doing Finely.—I think that Holly Chick Feed is about the best feed one can find for little chicks. My chicks are doing finely on it.—G. T. Gedosch, North Yakima, Wash.

No Bowel Trouble.—Have used Holly Chick Feed for two seasons, and have not had the slightest appearance of bowel trouble among my chicks. I think it an excellent feed.—W. W. Gray.

LILLY'S CUT CLOVER.—All fowls need a green feed of some kind, and Cut Clover fills the bill most satisfactorily. Lilly's Cut Clover is made from selected Yakima alfalfa and is entirely free from large sticks and stalks. It contains all the nutritive ingredients for flesh, muscle and bone making, but is not so concentrated a feed as Lilly's Best Poultry Food or some of the other Foods prepared by us. In the winter season Cut Clover comes especially handy.

Price: 5 lbs., 30c.; 100 lbs., \$3.50.

LILLY'S BEST LICE KILLER

The poultry louse is an extremely annoying pest but can be destroyed by sprinkling brooders, nests, roosts, etc., with Lilly's Best Insect Powder or Lilly's Best Lice Killer. The former is in powder form, while the latter is a liquid. Both are very effective, and they are put up in the two forms to suit the conveniences and preferences of the various customers. The hen spider is another very annoying pest, and much harder to be rid of than the poultry louse. To thoroughly eradicate this pest, as well as the others, it requires a thorough cleansing of every nook and corner of the pen or house with Lilly's Best Lice Killer. Great care should be taken in making the application, for if any crevices or cracks are overlooked the pest is likely to appear again. Lilly's Best Insect Powder and Lice Killer are also effective for all other kinds of mites and ticks that attack the birds.

Lilly's Best Insect Powder

A good insect powder is a necessity with every up-to-date poultry raiser. Lilly's Best Insect Powder is designed for the man who desires an effective insect and louse destroyer in powder form. Lilly's Best Lice Killer is in liquid form and is recommended for use on the roosts and in every nook and crevice of the walls. The Lice Powder is to be used on both the little chicks and the grown fowls, applying it under the feathers, also in the nests and the brooders. It is simple and cleanly to use, but certain death to chicken lice, and may be used with equal effectiveness to destroy plant lice, lice on cattle, ticks on sheep, bed bugs, moths, ants, etc. The finest combination against all forms of insect pests in the hen house is Lilly's Best Lice Killer.

CARBOLINEUM

Is the famous German wood preserver and lice killer. Once applied, will permanently destroy all lice or other vermin, and is also a wonderful preservative. Every poultry raiser should have a supply constantly on hand. Gallons, \$1.50; 5 gallons, \$6.00.

SANTAS DISINFECTING CANDLES.

Will rid your house, barn or henhouse of fleas, lice, bedbugs or any other insect. Each candle has a water jacket surrounding it, so there is no danger from fire. Price: each, 35c.

LEE'S LICE KILLER.

Is a liquid preparation for destroying insects on chickens, hogs and other stock. A handy and economical way to apply Lee's Lice Killer is with a Holly Sprayer, described elsewhere. Prices of Lee's Lice Killer: 1-quart can, 35c; ½-gallon can, 60c; 1-gallon can, \$1.00; 5-gallon wood-jacket can, \$4.00.

LAMBERT'S "DEATH TO LICE"

Prices: 5-oz. box (trial size), 10c.; postpaid, 15c.; 15-oz. box (regular size), 25c.; postpaid, 40c.; 48-oz. package (farmers' size), 50c.; postpaid, \$1.00; 100-oz. package (poultrymen's size), \$1.00; express paid, \$2.00.

INTERNATIONAL LOUSE KILLER

Is guaranteed to quickly kill lice, fleas, etc., and it will not hurt the hens. It is a dry powder and put up in a regular sifting box with tin cover, which makes it very easy to use. Price 25 cents box.

INTERNATIONAL PHENO-CHLORO

A most reliable disinfectant, antiseptic and germicide. It has superior qualities and is cheaper to use than many similar preparations. Full directions with each can. Put up in 25c., 50c. and \$1 cans.

POWDER GUNS.

We have several makes of very excellent Powder Guns and Bellows, any one of which will do satisfactory work. The Holly Hand Sprayer, mentioned elsewhere, is a handy thing for applying lice powders, etc. The Jumbo Powder Gun has been made to meet a demand for as large a gun as can be held in the hand, and is just the thing for applying lice powder. We have two sizes of Slugshot Powder Bellows. See prices elsewhere.

CONKEY'S ROUP CURE.

The remedy that will positively cure roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds and is unequalled for canker, especially in pigeons. One 50c. package makes 25 gallons of medicine. \$1.00 package, 75 gallons.

LEE'S ROUP AND CHOLERA CURE.

Otherwise known as Lee's Germozone. This is an effective cure for most of the diseases of poultry, and when given occasionally in the drink will prevent these and other diseases. Price, 50c.

FLOOD'S ROUP CURE.

Easily administered. Simply put the cure in drinking water, and the fowl takes its own medicine. Especially adapted for the climate of the Pacific Coast. Price, 50c. and \$1.00, postpaid.

FOR COMPLETE INDEX SEE THE LAST PAGE OF CATALOG

Lilly's Best Stock Food for Cows

Lilly's Best Stock Food for Cows is especially prepared for cows. It is not a cure-all to be fed horses, hogs, sheep, goats and every other animal in the barnyard, but is intended for cows only. It is compounded expressly for the needs of the cow's stomach. It will not only increase the flow of milk, but by keeping the organs in good order will prevent abortion, or "sinking," barrenness, milk fever, retained afterbirth, scours, etc.

To make a definite test of the value of Lilly's Best Stock Food for Cows, as a tonic, milk producer and cure for diseases of the cow, select one or two cows from the herd, feed the Stock Food as directed, and watch results. Do not serve one package to twenty or more cows for a day or two and then, receiving little or no benefit, condemn the remedy. Give the Stock Food a chance.

After repeated experiments it has been proven that under ordinary circumstances 25 per cent. of grain fed a cow passes through her without being digested. By feeding Lilly's Best Stock Food to cows, this grain, that was formerly wasted, is all made use of. It is an actual fact that by feeding our Stock Food a cow will keep in better shape and give more milk on less feed than without the Stock Food.

Lilly's Best Stock Food for Cows is put up in 25c., 50c. and \$1.00 packages; also in 25-lb. pails and 100-lb. barrels. Prices: Small package, 25c.; medium, 50c.; large, \$1.00; pails, \$2.50; bbls., \$8.00.

Lilly's Best Stock Food for Horses

This is a food manufactured especially for horses. It is designed to meet the requirements of the horse's stomach, which differs from that of the cow and other animals. Two tablespoonfuls a day will keep a healthy horse in good condition, giving him a sleek coat, helping him thoroughly digest his food and acting as a preventative against those diseases which the horse is peculiarly liable to contract. If the horse is not thriving he should have a double dose. The Stock Food will give him new life, tone up the system, carry off waste matter, promote healthy secretion and regulate action of the kidneys. It will give the horse bright eyes and perfect digestion.

Lilly's Best Stock Food for Horses is put up in 25c. and 50c. packages, also in 25-lb. and 50-lb. barrels. Prices: Small package, 25c.; large, 50c.; pails, \$2.50; barrels, \$8.00.

INTERNATIONAL STOCK FOOD.

A vegetable compound, originated by a practical stockman and indorsed by veterinary surgeons. Insures good growth in young stock. Put up in packages at 25c., 50c and \$1.00, and in pails at \$3.50.

COMMON SENSE CALF FEEDER.

This Feeder obviates scours and bloating and raises a better and healthier calf. It is the most durable, simple, economical and practical feeder on the market, and cannot fail to give satisfaction when properly used. Price: Single Feeder, \$1.50; Double Feeder, \$2.00; express 25c.

SHEEP DIPS.

Lee's Sheep Dip—Quarts, 50c.; gals., \$1.25; 5 gals., \$4.50.

Little's Sheep Dips—10 gal. to case, \$1.25 per gal; 6-gal. drums, \$1.10 per gal.

RIPPLEY STOCK FOOD COOKERS

The stock raiser, whether he has only a few head or many, will find a stock food cooker a most valuable addition to his collection of implements. Cooked food makes it more easily eaten, more palatable and more digestible. No great expense need be incurred and the small outlay for the Cooker will soon be repaid in better and healthier stock and better prices when sent to market.

Write for Complete Circular about the Rippley Cookers.

PRICES:

(Stock Food Cooker and Water Heater Combined, for Wood or Coal.)

25 gal., for wood only.....	\$5.00	50-gal., wood or coal.....	\$12.00
With partition in boiler.....	5.75	With partition in boiler.....	12.75
Partition in boiler and ¾-in. faucet.....	6.75	Partition in boiler and ¾-in. faucet.....	13.75
No. 16—Cooker, Water Heater and Steam Generator for cooking and heating hog, poultry or brooder houses at the same time.....			\$42 00
No. 20—Special Cooker, Water Heater and Steam Generator, for cooking, heating and running small machinery, etc.....			50.00

DAIRY AND CREAMERY SUPPLIES

We carry a large stock of these goods and are headquarters for "Everything for the Dairy," including the world-renowned

SHARPLES TUBULAR SEPARATOR

Which is the only Cream Separator fitted with the Low-down Supply Tank. (See picture.) It is, moreover, the cleanest skimmer, the easiest by far to wash and clean up. The most convenient, the most economical in oil and repairs, and the easiest to run. Look at others. Look at the Tubular and judge for yourself. Write for Catalog and copy of "Business Dairying."

BABCOCK TESTERS (three varieties)

MILK CANS (of every description)

MILK BOTTLES and CARD STOPPERS

SEPARATOR OIL THERMOMETERS BUTTER COLOR

DAIRY TINWARE, WOODENWARE, GLASSWARE,

and SPECIALTIES of all kinds

PRINTED BUTTER WRAPPERS a Specialty

Write for Large Dairy Supply Catalog.

Our Stock and Poultry Foods are carried in stock by dealers in almost every town and city in the Northwest. If your town has no dealer who carries our Foods, please write us for prices and state quantity you will probably want.

Bee Supplies

We would request anyone who is specially interested in this line to write us for our complete catalogue of

Bee Keepers' Supplies

Dovetailed Hives and Fixtures.

DOVETAILED HIVE. A E 64 P-8.

ROOT'S HIVE COMBINATIONS

To accommodate various localities and bee-keepers of different preferences, we have a large number of different combinations; and each combination is indicated by a series of letters and figures.

- A Danzebaker bottom
- E Excelsior cover.
- G The Gable cover.
- I super for Ideal plain sections 3 $\frac{3}{4}$ x5.
- M super 4x5 plain sections for Danz. hive
- P super equipped for plain 4 $\frac{1}{4}$ sections.
- S super for 4 $\frac{1}{4}$ beeway section, old style.
- 2 super with section holders, separators or fences, but no sections or foundations.

IMPROVED HOFFMAN FRAMES.

- Hoffman Frames, L F F.....10, 35c.; 100, \$3.00
- Half Hoffman Frames.....10, 30c.; 100, \$2.50

SEPARATORS.

- Slotted wood separators, 4 $\frac{1}{4}$ x18.....Per 100, \$1.00
- Slotted wood sliced separators.....Per 100, .80
- Plain separators.....Per 100, .65
- Fence separators, P or I.....Per 100, 2.00
- Fence Separators to be used with plain 1 $\frac{1}{4}$ no bee way sections

HIVE PARTS.

- Division Boards.....Each, 10c.; 10, 80c.
- Followers and wedge.....Each, 5c.; 10, 35c.
- Tightening Spring.....Each, 1c.; 10, 10c.

HONEY EXTRACTORS.

- COWAN. No. 15, two frames.....\$13.50
- NOVICE. No. 5.....10.00

Gloves, Rubber

- Ladies Sizes, 7, 8 and 9. Price, \$1.15; by mail, \$1.20.
- Gents' Sizes, 10, 11 and 12. Price, \$1.25; by mail, \$1.30.
- Men's, Nos. 13, 14 and 15. Price, \$1.50; by mail, \$1.60.
- Men's Hbavy, Nos. 13, 14 and 15. Price, \$1.75; by mail, \$1.85.

ALLEY'S COMBINED DRONE AND QUEEN TRAP.

A perfect non-swarming arrangement. Each, 50c.; by mail, 65c.

4 super with section holders, separators or fences, sections and foundation starters.

5 hive body or brood chamber, with frames and division board, but no starters.

6 hive body or brood chamber with frames, division board and foundation starters.

When the figures are doubled it indicates that two of the articles are called for. For instance, 22P means two supers with plain section holder and fences.

ROOT'S EIGHT-FRAME HIVES.

PRICES:

HIVES.	Each N'd	K.D. in Flat		Weight of 10
		5	10	
AE or AG, 5 hive.....	1.65	7.00	\$13.50	190
AE or AG, 6 hive.....	1.70	7.50	14.50	195
AE or AG, 52 hive.....	2.20	9.25	18.00	260
AE or AG, 64 hive.....	2.50	10.75	21.00	280
AE or AG, 522 hive.....	2.70	11.50	21.50	320
AE or AG, 644 hive.....	3.20	13.75	27.00	350
AE or AG, 55 hive.....	2.50	10.90	21.50	320
BOTTOM—				
A bottom.....	.30	1.40	2.70	40
COVER—				
E or G cover.....	.40	1.70	3.35	40
EMPTY BODY—				
Empty body, 3 $\frac{1}{2}$ inches deep with tin rabbets.....	.60	2.50	4.90	80
5 body, with frames and division board.....	.95	4.25	8.30	130
6 body, same as 5, plus founda- tion.....	1.05	4.75	9.20	135
SUPERS—				
Shallow super with flat tin....	.35	1.45	2.75	40
No. 2 P. S. or I super.....	.65	2.75	5.25	65
No. 4 P. S. or I super.....	.80	3.70	7.10	75
DANZEBAKER HIVES—				
Danz. AE or AD, 5 M-10.....	1.80	7.65	15.00	200
Danz. AE or AD, 52 M-10.....	2.50	11.25	22.00	300
Danz. AE or AD, 64 M-10.....	2.85	13.00	25.00	330
Danz. 2 M-10 super.....	1.00	4.25	8.00	100
Danz. 4 M-10 super.....	1.30	5.50	10.75	120

SELF-SPACING HOFFMAN FRAME.

SECTION HONEY BOXES.

Our No. 1 Sections are made of the choicest white basswood lumber, and are all perfect in finish and free from defects. They are not all snow white, but vary from that to light cream color

NO. 1 WHITE SECTIONS.

Per 100, 70c.; per 500, \$3.00; per 1000, \$5.90.

NO. 2 CREAM SECTIONS.

Per 100, 60c.; per 500, \$2.60; per 1000, \$5.00.

For large quantities, other sizes, etc., write for special prices. If ordered by mail, allow 1c. each for postage. Sample section by mail.

SECTION HOLDERS.

- 1 $\frac{1}{2}$ x18 $\frac{1}{2}$ inches, slotted.....Per 100, \$2.40
- 1 $\frac{1}{2}$ x17 $\frac{1}{2}$ inches, plain.....Per 100, \$2.00
- Bottoms only, 1 $\frac{1}{2}$ inches wide, slotted.....Per 100, \$1.15

QUEEN EXCLUDING HONEY BOARDS.

These are used to confine the queen to the brood chamber,

No.	Name and description	Size. Inches.
11.	8-frame, unbound	12x19 $\frac{1}{4}$
1.	10 frame, unbound	14x19 $\frac{1}{4}$
13.	8-frame, wood bound	13 $\frac{1}{4}$ x20
12.	10-frame, wood bound	16 x20

—Prices—	
1	10
\$0.25	\$2.00
.25	2.10
.30	2.50
.30	2.60

FOUNDATION FASTENERS.

DAISY Without lamp, \$1.00
 PARKER'S 30c.; by mail, 45c.
 HUBBARD SECTION PRESS \$2.75

SMOKERS.

	Each.	Post.
Clark	\$0.60	\$0.15
Cornell Standard	1.00	.25
Bingham Doctor	1.00	.25

PORTER BEE ESCAPE.

FEEDERS.

	Each.
Simplicity	.10
Miller's	.35
Woodman's	.25

SWARM CATCHERS.

Manum's, without pole	1.00
Manum's, with pole	1.50

ROOT'S.

TINKER'S

PERFORATED ZINC.

	Per 100.	Each.
Strips, 1 row, 3/4x18-19 1/4	1.50	.02
Strips, 2 row, 3-16x18-20	1.75	.02
Sheets, 28x96		1.75

COMB FOUNDATION.

Packed in 1, 2, 3 and 5-lb. paper boxes, or 25 lbs. in a case. Samples mailed free on application.

Grade.	Square feet per lb.	Lb.	10 lbs.
Light Standard Brood	6 to 7	60c.	55c.
Extra Light Standard Brood	8 to 9	65c.	60c.
Light Section	11 to 12	70c.	65c.
Extra Light Section	12 to 13	75c.	70c.

If foundation is wanted by mail, add 25c. per lb.

MISCELLANEOUS.

Hill's Device	.10
Cogshall Brush	.20
Benton Cages, no candy	.05
Division Boards, plain	.15
Bent Staples, 400 to lb.	.10
Straight Staples	.25
End Staples	.25

TIN RABBETS FOR HIVES.

These are of folded tin, and are used for frame to rest on. The price is as follows: Rabbits for dovetailed hive, 12 to 14 inch, \$1.25 per 100. Rabbits of other lengths will be 1/4c. per foot. Rabbits are included with all our hives

PORTER BEE ESCAPE.

Post-paid, 20c.; mounted, express, each 40c.

PORTER HONEY-HOUSE ESCAPE.

Each, post-paid 35c.

QUEEN CELL PROTECTOR.

West's Queen Cell Protectors	Each.	10
West's Spiral Cages, post-paid	10c.	50c.
	10c.	80c.

SPUR WIRE IMBEDDER.

Post-paid, 20c.

DAISY ROLLER.

Post-paid, 20c.

ABBOTT HONEY KNIFE. Price, 80c.; by mail, 90c.

VAN DUZEN HIVE OLAMPS.

Per pair, 5c.; 10 pairs, 40c.; by mail, 70c.; no screws, 10 pairs, 35c.; by mail, 60c.

HONEY SHIPPING CASES.

	Nailed	Flat
	Each.	10
24-lb. Non-Drip Shipping Cases	\$0.30	\$2.25
12-lb. Shipping Cases	.15	1.10
24-lb. for 3 1/2 x 5 sections	.30	2.25
12-lb. for 1 1/2 inch sections	.30	2.25

Prices include nails, glass, etc.

SHIPPING CASES.

BEE VEILS.

No. 1 Silk	\$0.50
No. 2 Silk face	.50
No. 3 Cotton	.45
No. 4 Mosquito Netting	.25
Globe	1.00
Silk tuile, 9x12	.10

NO. 30 TINNED WIRE.

	Each.	Express. Dozen.
3/4-oz. spools	8c.	\$0.55
1-lb. spools	15c.	1.05
1 1/2-lb. spools	25c.	2.40
5-lb. coils	40c.	3.50

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Reference Tables

Number of Plants or Trees to the Acre at Given Distances

Dis. Apart.	No. Plants.	Dis. Apart.	No. Plants.	Dis. Apart.	No. Plants.	Dis. Apart.	No. Plants.
12 x 1 in.....	522,720	24 x 24 in.....	10,890	36 x 36 in.....	4,840	60 x 60 in.....	1,743
12 x 3 in.....	174,240	30 x 1 in.....	209,088	42 x 12 in.....	12,446	8 x 1 ft.....	5,445
12 x 12 in.....	43,560	30 x 6 in.....	34,848	42 x 24 in.....	6,223	8 x 3 ft.....	1,815
16 x 1 in.....	392,040	30 x 12 in.....	17,424	42 x 36 in.....	4,148	8 x 8 ft.....	680
18 x 1 in.....	348,480	30 x 16 in.....	13,068	48 x 12 in.....	10,890	10 x 1 ft.....	4,356
18 x 3 in.....	116,160	30 x 20 in.....	10,454	48 x 18 in.....	7,790	10 x 6 ft.....	726
18 x 12 in.....	29,040	30 x 24 in.....	8,712	48 x 24 in.....	5,445	10 x 10 ft.....	435
18 x 18 in.....	19,360	30 x 30 in.....	6,970	48 x 30 in.....	4,356	12 x 1 ft.....	3,630
20 x 1 in.....	313,635	36 x 3 in.....	58,080	48 x 36 in.....	3,630	12 x 5 ft.....	786
20 x 20 in.....	15,681	36 x 12 in.....	14,520	48 x 48 in.....	2,723	12 x 12 ft.....	302
24 x 1 in.....	261,360	36 x 18 in.....	9,680	60 x 36 in.....	2,901	16 x 1 ft.....	2,722
25 x 18 in.....	15,520	36 x 24 in.....	7,260	60 x 48 in.....	2,178	16 x 16 ft.....	170

Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre

Quantity per Acre.	Quantity per Acre.	Quantity per Acre.
Artichoke, 1 oz to 500 plants..... 6 oz	Cucumber, 1 oz to 100 hills, 1 to 2 lbs	Okra, 1½ oz to 100 feet of drill 8 lbs
Asparagus, 1 oz to 800 plants..... 1 lb	Egg Plant, 1 oz to 2000 plants..... 4 oz	Onion Seed, 1-3 oz to 100 feet of drill 5 lbs
Asparagus Roots..... 7259	Endive, ¼ oz to 100 feet of drill 4½ lb	Onion Seed, for Sets..... 30 to 80 lbs
Barley 2½ bu	Flax, broadcast..... ½ bu	Onion Sets, 1 qt to 40 feet of drill..... 8 bu
Beans, dwarf, 1½ pts to 100 feet of drill..... 1 bu	Garlic, bulbs, 1 lb to 10 feet of drill.....	Parsnip, ¼ oz to 100 feet of drill 3 lbs
Beans, pole, 1½ pts to 100 hills ½ bu	Gourd, 2 oz to 100 hills.	Parsley, ¼ oz to 100 feet of drill 3 lbs
Beets, garden, 1 oz to 100 feet of drill..... 7 lbs	Grass, Mixed Lawn, 3 to 5 bu	Peas, Garden, 1 pt to 100 feet of drill 2 bu
Beets, Mangel, 1 oz to 100 feet of drill..... 5 lbs	Grass, Orchard, Perennial, Rye, Red Top, Fowl Meadow and Wood Meadow 2 bu	Peas, Field 2 bu
Broccoli, 1 oz to 5000 plants..... 2 oz	Grass, Red Top, fancy clean 8 to 10 lbs	Pepper, 1 oz to 15,000 plants..... 3 oz
Broom Corn 10 lbs	Grass, Timothy ¼ bu	Potatoes 8 bu
Brussels Sprouts, 1 oz to 5000 plants..... 2 oz	Grass, Blue, Kentucky.. 2 bu	Pumpkin, 1-3 qt to 100 hills 3 to 4 lbs
Buckwheat ½ bu	Grass, Blue, English.. 1 bu	Radish, 2-3 oz to 100 feet of drill 10 to 12 lbs
Cabbage, 1 oz to 5000 plants..... 2 oz	Grass, Hungarian and Millet ½ bu	Rye 1½ bu
Carrot, ¼ oz to 100 feet of drill 2½ lbs	Hemp ½ bu	Salsify, 1-3 oz to 100 feet of drill 8 lbs
Cauliflower, 1 oz to 5000 plants..... 2½ oz	Horse Radish Roots..... 15,000 to 20,000	Spinach, ½ oz to 100 feet of drill 8 lbs
Celery, 1 oz to 15,000 plants..... 2 oz	Kale 1 oz to 5000 plants..... 2 oz	Spurry 15 lbs
Chicory 4 lbs	Kohl Rabi, 1-3 oz to 100 feet of drill 4 lbs	Summer Savory ¼ lb
Clover, Lucerne, Large Red and Crimson Trefoil 8 lbs	Leek, 1-3 oz to 100 feet of drill 4 lbs	Sunflower 3 lbs
Clover, Alsike and White Dutch 6 lbs	Lettuce, ½ oz to 100 feet of drill 3 lbs	Squash, Summer, 4 oz to 100 hills 2 lbs
Clover, medium 10 lbs	Martynia, ½ oz to 100 feet of drill 5 lbs	Squash, Winter, 8 oz to 100 hills 2 lbs
Collards, 1 oz to 5000 plants..... 2 oz	Melon, Musk, 1 oz to 100 hills 1 to 2 lbs	Tomato, 1 oz to 4500 plants..... 1 oz
Corn, rice (shelled)..... 2 qts	Melon, Water, 4 oz to 100 hills 1½ to 2 lbs	Tobacco, 1 oz to 50,000 plants..... 2 oz
Corn, sweet, ½ pt to 100 hills 5 qts	Nasturtium, 2 oz to 100 feet of drill 15 lbs	Turnip, 1 oz to 250 feet of drill 1½ lbs
Cress, ½ oz to 100 feet of drill 12 lbs	Oats 2 bu	Vetches 2 bu
		Wheat 1½ bu

Weights of Various Articles

Per bush.	Per bush.	Per bush.	Per bush.
Apples 48 lbs	Corn, on ear..... 70 lbs	Peach Pits 48 lbs	Wheat 60 lbs
Apples, dried..... 22 lbs	Corn Meal 50 lbs	Peas, smooth 60 lbs	Flour, per bbl, net 196 lbs
Barley 48 lbs	Charcoal 22 lbs	Peas, wrinkled..... 55 lbs	Salt, per bbl..... 280 lbs
Beans 60 lbs	Cranberries 40 lbs	Perennial Rye..... 20 lbs	Per cubic foot.
Buckwheat 48 lbs	Dried Peaches..... 28 lbs	Potatoes, heaping measure 60 lbs	Hay, well settled 4½ lbs
Broom Corn..... 46 lbs	Flax Seed 56 lbs	Rape 50 lbs	Corn, on cob, in bin 22 lbs
Blue Grass, Kentucky 14 lbs	Fowl Meadow..... 12 lbs	Rye 56 lbs	Corn, shelled, in bin 45 lbs
Blue Grass, English 24 lbs	Hemp Seed 44 lbs	Red Top 14 lbs	Wheat, in bin..... 48 lbs
Bran 20 lbs	Hungarian 50 lbs	Salt, coarse 50 lbs	Oats, in bin..... 22½ lbs
Canary Seed 60 lbs	Millet 50 lbs	Salt, Michigan..... 56 lbs	Potatoes, in bin..... 38½ lbs
Clover Seed 60 lbs	Oats 32 lbs	Sweet Potatoes..... 56 lbs	
Corn, shelled 56 lbs	Osage Orange..... 33 lbs	Timothy Seed..... 45 lbs	
	Orchard Grass..... 14 lbs	Turnips 58 lbs	
	Onion 54 lbs		

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