Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.
GRISWOLD
SEED & NURSERY
COMPANY
LINCOLN-NEBRASKA
29TH ANNUAL - 1919

LAXTONIAN
PEA
Per Pkt. 15¢

PAPAGO
SWEET CORN
Per Pkt. 15¢

NEW BUSH MUSK MELON
Per Pkt. 20¢

LINCOLN BRAND
SEEDS

FRONT AND BACK COVER COLLECTION — 70¢
YOUR ORDER is acknowledged the day it is received, and filled just as soon as possible.

WE SHIP all heavy goods by freight at your expense, unless otherwise instructed. We send you duplicate bill of lading, showing date, number of bags sent, and route. All plants and perishable goods are sent only by express at your expense, unless quoted "prepaid," in which case we send by mail or prepaid express, and notify you.

SAFE ARRIVAL. We guarantee all goods except sweet potatoes to arrive safely and will refund you for any loss, providing you have Agent make notation of such loss on expense bill and return it to us. This applies on Irish potatoes if time of shipment is left to our judgment. We also guarantee all seeds that we send out at catalog prices to be carefully selected, and tested. We are always pleased to make good any mistake, but all complaints must be made within 15 days from receipt of goods. On account of weather conditions, etc., we cannot guarantee the crop. You can have the Experiment Station test any of our seed and if not satisfactory will take it back and refund to you.

OUR RESPONSIBILITY. We have been in business here for 29 years. We would be pleased to have you write (enclosing stamp) any bank or business firm here in Lincoln as to our standing.

LARGE ORDERS. Any market gardener, association, or individual requiring large quantities of seeds, are invited to write for special prices. Although we have made our prices in this catalog very low, yet when a considerable quantity in pounds or bushels is wanted, we are in a position to supply at a lower price than by the single pound or bushel. We wish it to be distinctly understood, however, that we will not sacrifice quality in so doing. Mail us a list of your wants, and we will submit to you our lowest cash price for the lot.

FALL CATALOG. Our fall catalog will be ready about July 1. It is brimful of reasonable seeds, plants and bulbs to plant during the summer and autumn months. Don't fail to write for a copy if you do not receive one.

ORDERS WITHOUT MONEY OR ADDRESS. Every year we get hundreds of orders from our customers unsigned. We have at present on our files a number of orders for various amounts, which we are unable to send out as we don’t know where to forward them. Every day or so we get a long letter of complaint from some customer, upbraiding us for not sending his seeds promptly. Then we get real busy with this file and endeavor to locate the order. Often it is a hard proposition. So, if you do not hear from us within a reasonable length of time after you mail your order, send us a duplicate order, naming the date on which the former order was sent, the amount of money enclosed, and in what form. We want to satisfy you, and don’t want you to complain about our service—if we can help it.

NON-WARRANTY.—Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this catalogue will be executed on these conditions only. It must, however, be plain to everyone who gives the matter the slightest thought, that it is to our best interests to send out only such stock as will not only grow but prove true to name and description.

FREE SAMPLES. We are always too glad to send you free samples of Corn, Grass, and other Field Seed, for testing purposes. You are not imposing on our good nature when you ask us to send you these samples, for we know the quality of the samples will bring us your big order.
Dear Friend:

We come to you again at the beginning of another year, asking you to receive this new annual seed book and catalog as our representative in your home. We hope you will give it a hearty welcome. We believe this is the best catalog we have ever issued, and furthermore, we believe it is as good and dependable a seed book as will come to your home this year, or any other year. Our reason for believing this is: The House that issues it is above the average in dependability, and has been in the seed business for 29 long years right here in Lincoln and knows just the needs of this great Middle West in the line of seeds and nursery stock. For we would have you know that we are now in position to furnish you with the very best fruit trees, shade trees, ornamental trees, small fruit, etc., that money can buy. Our nursery stock is of the same high standard as the seeds we have been furnishing all these years.

With the world to be fed, this spring, more than ever before, there will be need for large crops in the U. S., as the need for food is greater than ever. The victory garden for 1919 is just as important as the war garden of 1918. The Government Food Administration assures us that food conservation is still necessary. Therefore food production is more necessary. We are under obligations to feed war devastated Europe until they can raise a crop, and they have nothing at present with which to start a crop. No machinery, no farm tools, no seed, and their land torn up by trench and shell. It is up to the people of our favored land to plant every available acre, and to raise every pound of eatables possible. We can live on the perishable foods and ship more staple to our neighbors across the sea.

Here are a couple of verses from the pen of Hiram Green, Editorial writer for the Woman's World. He states your duty better than we can:

The more you plant the more you grow,
And you cannot reap if you do not sow.
This year we will have lots more to feed,
To fill our own and the old world's need.
Which brings me now to the point of this rhyme,
"Plant a Victory Garden for the good Spring time."

Also keep a hen, keep a hen, keep a hen,
You'll be helping then, helping then, helping then,
Hens are not hard to keep,
And when prices of eggs are steep you can laugh yourself to sleep.

Br-r-r-r-r! O, Big Ben, O, Big Ben.

An old world is about to crumble. A new world is in the making. At about the time these lines are being written our President and his party are landing in France to attend the greatest Peace Conference in the world's history. By the time you are reading this the terms of Peace will be known. We are sure they will make for a better world. Our soldier boys are now flocking home, and we are all so proud of them, for what they have done. For they have been the deciding factor in making the world a better place in which to live. Now we all want to keep it so.

Our job is going to be to continue to furnish the very best Seeds, Nursery Stock, Insecticides, Bee Supplies, Sprayers, etc., that money can buy, and yours will be to make the best use of the various supplies, and help to feed the world. Know your garden and make it produce a balance! She (or He) also serves who stoops and weeds.

Yours for a prosperous year,

Griswold Seed & Nursery Co

This is our warehouse where we clean and store the immense seed stocks that are required to fill your orders

TO MAKE A HOT BED

A hotbed should face the south or southeast, be located on well drained ground and if possible be protected on the north by a building or high fence.

6x10 feet will be large enough for an acre of garden. Sashes are usually 3x6 feet. Dig a trench 2 feet deep, around this place a frame 16 inches high at the back and 8 inches in front. Fill the hole with fresh horse manure that has lain for a week or ten days, trampling it down firmly and covering with 4 inches of fine, rich, black soil. Place the sashes over the frame. After standing a few days lift the sashes to allow the rank heat and steam to pass off; when the temperature has subsided to 90 degrees F. sow the seed. It is best to bank the outside of the frame up to the sash.

The hotbed may be all above ground by making a pile of manure 2 feet high, and 3 feet longer, and 2 feet wider than the frame, fill in with black soil and complete as directed for the excavated bed.

When plants are nearly ready for outside lift the sashes every pleasant day, gradually hardening off the seedlings.

Frame and sash should be stored away at the close of the season and will thus last for years.
Griswold's Victory Vegetable Seed
Collection No. 1

EARLY WANDER BEET
Earliest, finest shape, deepest colod. Pkt., 9c; oz., 25c; 2 oz., 3c; 1 lb., 75c; 2 lb., $2.50; postpaid.

EARLY GOLDEN CLUSTER WAX
Begins bearing in July, continuing to produce abundantly until frost, large clusters of golden-yellow pods 6 to 8 inches long and of delicious flavor. Valuable either as a shell or snap bean, white seed. Pkt., 8c; lb., 30c; postpaid.

NEW SPARKLER
A Radish that is equally good for forcing or out door growing. Pkt., 8c; oz., 25c; 1 lb., 5c.

GUERANDE OR OX HEART CARROT
For fall use, nothing superior. Pkt., 8c; oz., 30c; 2 ozs., 50c; 1 lb., 60c; postpaid.

LITTLE MARVEL PEA
Especially valuable for home and market garden. Extremely early. Pkt., 8c; lb., 30c; postpaid.

EARLIANA TOMATO
Pkt., 8c; 1 oz., 30c; oz., 50c; 2 ozs., 75c; 1 lb., $1.75; 2 lb., $3.00; 1 lb., $5.00; postpaid.

one large 8c package of each of these 6 delicious vegetables for 40c postpaid.
Below we give you complete descriptions of the things portrayed on the front and back cover of this catalog. These are all new vegetables, but have been tested and tried out, so when we ask you to try them we are not asking you to risk your money. We know just what the results will be. The regular price of the 5 packages is 75c. We offer them to you for 50c.

**JOHN BAER**

The best tomato on earth. It is the offspring of two marvelous tomatoes, the result of 15 generations of improvement and selection. It produces the most perfect, high crown red tomatoes in 30 days, also an enormous crop. The fruit ripens, ripens even right up to the stem, no cripplings, no scalds, no blight, no crack, wrinkled one-sided, unattractive. We have tried the John Baer tomato and it will not burst. It has a wonderful glistening, bright red color, and a mild, delicious, sweet flavor, is almost seedless, a marvelously short, tight, hard, central, solid and meaty. John Baer Tomato is the earliest, finest shaped fruit and has the best color and shipping quality of any tomato on earth. Price, pkt. 15c; ½ oz. 35c; oz. 65c; 1 lb. $1.75.

**PAPAGO SWEET CORN**

We call it Papago because a few kernels were found several years ago on the Papago Indian Reservation south of Tucson, Ariz. It thrives well on heat and grows and produces admirably in an arid section. The stalks grow to a height of about 7 feet each and produces from 2 to 4 well filled ears of the sweetest and most delicious corn one ever ate from a cob. In a hot, dry section it will outyield all varieties of Sweet Corn nearly 10 to 1. Price, pkt. 15c; pt. 30c; qt. 55c; 2 qt. $1.00; postpaid.

**LAXTONIAN PEA**

A dwarf pea with large handsome Gradus pods. It is slightly earlier than Gradus, maturing about same time as Thomas Laxton. The seeds are medium dark green and medium heavy foliage. Pods 3½ to 4 inches long, slightly curved, making broad sweep to point. Pods are loose and bear more abundantly at top of plant and less along stalk, making it an easy pea to pick, a very heavy yielder. Height of straw 14 inches. Price, pkt. 15c; ½ lb. 30c; lb. 55c; postpaid.

**GOLDEN PONDEROSA**

One of the most interesting novelties ever introduced. It is Ponderosa in size but bears rich, golden-yellow fruits in abundance. A yellow tomato that has color to distinguish it, is not entirely new but bears the distinction of being Climate Ponderosa is equal in every respect to its parent the red Ponderosa, possessing all the qualities that have made our Ponderosa a household word throughout the land, and, in addition, has the striking color which compels instant attention. That which differentiates it from all other sorts is its conspicuous and striking color when served sliced with the red Ponderosa. This combination produces an effect appealing to the appetite, and supplies a decorative table effect both novel and attractive. Price, pkt. 20c; 1 oz. 55c; ½ oz. 40c; 1 oz. 75c; 1 lb. $2.50.

**NEW BUSH MUSKMELOON**

A Compact Bush-growing Variety

It has every indication of revolutionizing the melon-growing industry on account of its bush-growing habit. Contrary to expectations it is usually productive, and permitting, as it does, close planting (2½ feet apart); the yield per acre is considerably enhanced. Notwithstanding every attempt to increase our seed supply each year, the demand has been of such a phenomenal character, we have early sold out our entire output. Therefore we advise the placing of your order for this variety early. It is one of the most deliciously flavored and most spicy melons in cultivation, being more than noticeably sweet and juicy.

The plants grow 15 to 18 inches wide, should be planted in hills 21 feet apart, 3 to 4 plants to a hill; the yield is large and can be grown with shallow ribs. The flesh is light green and of exquisite quality. Price, pkg. 20c; oz., 30c; 1 lb., 85c; lb., $3.00; postpaid.

---

**LAXTONIAN PEA**

A dwarf pea with large handsome Gradus pods. It is slightly earlier than Gradus, maturing about same time as Thomas Laxton. The seeds are medium dark green and medium heavy foliage. Pods 3½ to 4 inches long, slightly curved, making broad sweep to point. Pods are loose and bear more abundantly at top of plant and less along stalk, making it an easy pea to pick, a very heavy yielder. Height of straw 14 inches. Price, pkt. 15c; ½ lb. 30c; lb. 55c; postpaid.

**EGG PLANTS**

New York Purple.

**CABBAGE**

Ready About
Early Cabbage........Apr. 25 $0.20 $0.70 $0.90 $1.50 $2.80 $3.20 $3.80 $5.00
Late Cabbage........May 10 $0.25 $0.75 $0.95 $1.30 $2.60 $3.00 $3.60 $5.00
Early Tomatoes........Apr. 25 $0.25 $0.75 $1.00 $1.25 $1.90 $2.30 $2.90 $4.00
John Baer Tomato...........25 $0.30 $0.80 $1.05 $1.40 $2.20 $2.60 $3.20 $4.00
Early Hudson........Apr. 25 $0.25 $0.75 $1.05 $1.25 $1.90 $2.30 $2.80 $4.00
Late Hudson........May 10 $0.20 $0.70 $0.95 $1.25 $1.90 $2.20 $2.80 $4.00
Cauliflower, Snowball........May 10 $0.25 $0.80 $1.00 $1.25 $2.10 $2.20 $3.00 $4.00
Early Celery........May 10 $0.25 $0.80 $1.05 $1.30 $2.00 $2.30 $2.90 $4.00
Late Celery........June 20 $0.25 $0.80 $1.05 $1.30 $2.00 $2.30 $2.90 $4.00
Pepper................May 10 $0.15 $0.50 $0.65 $0.90 $1.50 $1.90 $2.50 $3.00
Sweet Potatoes........May 10 $0.15 $0.50 $0.65 $0.90 $1.50 $1.90 $2.50 $3.00
Asparagus Rhizomes........10c each $1.00 per doz. $1.00 per doz.
Rhubarb Root........10c each $1.00 per doz. $1.00 per doz.

**PEONY MANUAL.** Practical information about growth, care and marketing of the peony. A book that every fancier will enjoy.

**POTLUCK MANUAL, by Sewell.** Breeds of fowls including turkeys, practical methods of raising poultry and eggs for market and home use.

**COUNTRY KITCHEN COOK BOOK.** A book that should be in every farm home. It contains hundreds of good, wholesome dishes and many suggestions of great value in the farm kitchen.

**NEW BUSH MUSKMELOON**

It has every indication of revolutionizing the melon-growing industry on account of its bush-growing habit. Contrary to expectations it is usually productive, and permitting, as it does, close planting (2½ feet apart); the yield per acre is considerably enhanced. Therefore we advise the placing of your order for this variety early. It is one of the most deliciously flavored and most spicy melons in cultivation, being more than noticeably sweet and juicy.

The plants grow 15 to 18 inches wide, should be planted in hills 21 feet apart, 3 to 4 plants to a hill; the yield is large and can be grown with shallow ribs. The flesh is light green and of exquisite quality. Price, pkg. 20c; oz., 30c; 1 lb., 85c; lb., $3.00; postpaid.

---

**NEW BUSH MUSKMELOON**

A Compact Bush-growing Variety

It has every indication of revolutionizing the melon-growing industry on account of its bush-growing habit. Contrary to expectations it is usually productive, and permitting, as it does, close planting (2½ feet apart); the yield per acre is considerably enhanced. Therefore we advise the placing of your order for this variety early. It is one of the most deliciously flavored and most spicy melons in cultivation, being more than noticeably sweet and juicy.

The plants grow 15 to 18 inches wide, should be planted in hills 21 feet apart, 3 to 4 plants to a hill; the yield is large and can be grown with shallow ribs. The flesh is light green and of exquisite quality. Price, pkg. 20c; oz., 30c; 1 lb., 85c; lb., $3.00; postpaid.

---

**ONIONS, by Jordan.** How to grow them profitably. How to prepare seed bed, plant, cultivate, weed, harvest and market. An attractive, well illustrated book.

**AMATEUR FRUIT GROWING, by Green.** Covers the entire subject of growth, cultivation and marketing of fruits. A practical, well illustrated book. Frugal fruit growers cherish this book.

**EVERGREENS, by Harrison.** How to care for them. How to raise, plant, grow from seed or nursery stock for windbreaks, shelter belts, hedges and ornamental plantings.

**WEEKS, by Shaw.** How to eradicate them. Contains the most effective means of destroying all kinds of weeds, including Canada thistle; also information about spraying.

**PHLOX MANUAL, by Harrison.** Complete information about varieties, methods of culture, for pleasure and profit. Selection, preparation of soil, propagation.
At prices named we pay postage on  
Seeds by Packet, Ounce, Pound.  

In fixing a price on packages in this catalog this year, we had to decide between two propositions. Either reduce the quantity in the package and sell at the old price of 5c, or leave the weight the same and advance the price. We decided to do the latter. Therefore you will find our packets to be the same large, well filled packets and the price 8c or 2 for 15c with substantial discounts for quantity.  

ALL GARDEN SEEDS QUOTED IN THIS CATALOG ARE POSTPAID. FOR QUANTITY PRICES NOT POSTPAID, SEE PAGES 24 AND 25  

Discount on Seeds in Packet  
Any 4 of our large 8 cent packages for 25c; 8 for 50c; and 17 for $1.00  

For your convenience in ordering we have made up a number of Seed Collections. You will find them in different places in the Seed Department. If you wish a collection just order by number.  

Asparagus  

One ounce to 50 feet of drill; 5 pounds to the acre  

Sow in March or April, in good mellow soil, after soaking the seed 24 hours in warm water, in drills one foot apart, and one inch deep. During the summer keep the soil mellow and free from weeds thinning the plants to about 4 inches apart. The following spring transplant into permanent beds that have been deeply dug and highly manured.  

CONOVER'S COLOSSAL. A mammoth, green sort of the best quality. Pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.  
PALMETTO. An early, green sort, prolific and very desirable. Pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.  
BARK'S MAMMOTH. An early, large-stemmed, green variety. Pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.  
COLUMBIAN MAMMOTH WHITE. Produces white stalks of large size and finest quality. Pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.  

ASPARAGUS ROOTS  
The ground should be well manured and deeply spaded, the roots planted two feet apart, one foot apart in the row, and at least six inches deep. These will be ready to use in two or three years. 25c per dozen; 50 for 25c; $1.25 per 100, postpaid.  
40c for 50; 55c for 100, by express at your expense.  

Beans  

Earliest varieties, ready for table in 40 days: 1 pound to 10 feet of drill; 1 bushel per acre.  
The soil best adapted to beans is a light, rich, well-drained loam, which was manured for the previous crop. Beans are extremely sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart and leaving the plants two to six inches in the row. Up to the time of blossoming they should have frequent shallow cultivation. Never hoe when the vines are wet, as the pods will become discolored. For succession plant every two weeks.  

DWARF OR BUSH LIMA BEANS  
The Bush Limas are quite desirable for the garden, as their cultivation does away with poles. These should be planted edgewise with the eyes down and two inches deep. Plant June 1.  
HENDELS BUSH LIMA. Grows in compact bush from about 18 inches high. The beans are small in size but of delicious flavor and great productiveness and about two weeks earlier than the others. Pkt., 8c; lb., 40c; postpaid.  
BURPEE'S BUSH LIMA. A bush form of true, large Lima. Good yielder, bearing a handsome, large pod, well filled. Pkt., 8c; lb., 40c; postpaid.  

<table>
<thead>
<tr>
<th>CONDENSED INDEX</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetable Seed</td>
<td>4 to 26</td>
</tr>
<tr>
<td>Vegetable and Flower Seed Collections</td>
<td>2 &amp; 25</td>
</tr>
<tr>
<td>Flower Seed</td>
<td>37 to 43</td>
</tr>
<tr>
<td>Field and Grass Seed</td>
<td>27 to 36</td>
</tr>
<tr>
<td>Nursery Stock</td>
<td>44 to 61</td>
</tr>
<tr>
<td>Bee Supplies</td>
<td>67 to 73</td>
</tr>
<tr>
<td>Sprayers</td>
<td>63 to 65</td>
</tr>
<tr>
<td>Garden Tools</td>
<td>74 to 76</td>
</tr>
<tr>
<td>Poultry Supplies</td>
<td>80 to 84</td>
</tr>
<tr>
<td>Rabbit Supplies</td>
<td>87</td>
</tr>
<tr>
<td>Lawn Supplies</td>
<td>92</td>
</tr>
</tbody>
</table>

There are many bargains and low prices in this catalog, it will pay you to read it carefully.
Bush or Snap Beans

WAX or YELLOW POD VARIETIES

All 8c pkts. are also two for 15c

ADMIRAL TOGO. This grand bean is a wax podded sort with wonderfully handsome and attractive pods averaging 6 inches in length and of an unusually desirable shade of yellow. The table quality is delicious. This sort is usually free from rust and other diseases. Its extreme earliness is also a valuable characteristic, coming, as it does, only about three days behind Extra Early Red Valentine. Pkt., 10c; lb., 35c.

CURRIE'S RUST PROOF WAX. The vine is very vigorous, hardy, and an early and abundant bearer. Pkt., 8c; lb., 45c.

DAVIS' KIDNEY WAX. Large beans, are pure white, kidney shaped, excellent for cooking, green or dry. The pods while young are stringless, tender and of excellent flavor. Very long, straight, flat and clear, waxy white. Very productive. Price, pkt., 8c; lb., 45c; postpaid.

BLACK WAX. A popular variety; pod a waxy yellow, solid, tender, almost transparent, stringless, seeds when ripe jet black. Price, pkt., 8c; lb., 45c; postpaid.

GOLDEN WAX. A standard sort. One of the earliest beans in the market. Pkt., 8c; lb., 45c.

IMPROVED GOLDEN WAX. Pods are thicker than those of Golden Wax, and of better quality. Price, pkt. 8c; lb. 45c; postpaid.

WARDWELL'S KIDNEY WAX. Pods long, flat, nearly straight, white, handsome, of good quality. Pkt., 8c; lb., 45c.

Dwarf Green Pod Beans

BURPEE'S NEW STRINGLESS. One of the best stringless green-podded beans in cultivation. The plant is round, full, large and straight. Pkt., 8c; lb. 40c; postpaid.

GIANT STRINGLESS. This extra early variety is exceedingly productive, bearing round green pods 6 to 7 inches long, very meaty. Pkt., 8c; lb., 45c; postpaid.

IMPROVED RED VALENTINE. Early and prolific. Pods are remarkable, fleshy and tender, and remain a long time without becoming hard. Pkt., 8c; lb. 45c; postpaid.

LITTLE WONDER NAVY. Valuable for field culture; very prolific, extremely early, excellent variety. Price, pkt., 8c; lb. 55c; postpaid.

LONG YELLOW SIX WEEKS. Hardy, early and productive. A standard sort. Pkt., 8c; lb. 35c; postpaid.

REFUGEE (Thousand to One.) Most prolific green-podded sort, thick and fleshy. Especially desirable for pickling. Pkt., 8c; lb. 35c; postpaid.

TEPARY. Similar to the Navy bean but a little smaller in size. It is a great drought resister. Price, pkt. 8c; lb. 35c; postpaid.

WHITE MARROW. Good shelled, either green or dry. Pkt., 8c; lb. 35c; postpaid.

Pole Beans

One quart to 200 Hills

These are more tender than the Dwarf Beans, and planting should be delayed about a week longer. Set a stout stake about 8 feet long, firmly in the center of each hill, leaving four plants to a hill.

CUTSHORT (Corn Hill). A standard sort for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at ends, white with reddish-brown spots. Pkt., 8c; lb., 40c; postpaid.

DUTCH CASE KNIFE. An early corn hill bean. Pods very long and flat; beans flat, kidney-shaped, white, of excellent quality, green or dry. Pkt., 8c; lb., 40c; postpaid.

EARLY GOLDEN CLUSTER WAX. Begins bearing in July, continuing to produce abundantly until frost, large clusters of golden-yellow pods 6 to 8 inches long and of delicious flavor. Valuable either as a shell or snap bean, white seed. Pkt., 8c; lb., 40c; postpaid.

LARGE LIMA (Butter). Productive. Large flat pods; beans white, of excellent flavor. Pkt., 8c; lb., 40c; postpaid.

OLD HOMESTEAD (Kentucky Wonder). An excellent green-podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Pkt., 8c; lb. 40c; postpaid.

LAZY WIFE. A late bean. Pods long, broad, thick and entirely stringless; rich and buttery; dry beans, white and unsurpassed as shell beans for winter use. Very prolific. Pkt., 8c; lb. 35c.

RED KIDNEY. Usually grown for dry beans but excellent also as green shell. Splendid for boiling or baking. These are the old-fashioned Red Kidney. Pkt., 8c; lb. 35c; postpaid.

Griswold's Best 4 Package Bean Collection No. 1

25c POSTPAID

Four of our best beans for home gardens are our Stringless Green Pod, Wardwell's Kidney Wax, Old Homestead or Kentucky Wonder Pole Bean and Henderson Bush Lima. All of these are illustrated and described on this page. We will send you by mail one 8-cent packet of each of these 4 varieties postpaid for 25c. This is your chance to have these 4 splendid varieties at the lowest cost.
Beets

One ounce to 100 feet of drill; 5 to 7 lbs. to acre in drills. The early turnip varieties are ready for the table in from 80 to 60 days from sowing of seed.

The best results are obtained on a deep, rich, sandy loam, in freshly prepared soil, which should be pressed firmly over the seed. In dry weather sow seed 24 hours before planting.

ARLINGTON BLOOD TURNIP. A dark-leafed variety, following Eclipse in maturing; perfectly round, blood-red, excellent quality. Very good for winter; does not become stringy and is tender at all times.

BEST EARLY BLOOD TURNIP. A favorite early variety. Roots turnip-shaped, dark red; fine flavor, tender and sweet. Good for winter.

COLUMBIA. Exceeds early, also one of the finest main-crop beets or market or home garden. Roots are turnip shape, 3 or 4 inches in diameter, deep through, smooth and entirely free from small rootlets. Flesh deep blood-red, tender and of rich flavor.

CRIMSON GLOBE. Early, of medium size, uniformly round; color deep crimson throughout; exceedingly tender and sweet; good keeper.

CROSBY'S EARLY EGYPTIAN. An improved strain, of the Egyptian; skin and flesh are dark red, roots smooth, round, fine quality, early extra.

DETROIT RED DINNER TURNIP. A grand beet for bunching for market, and for the home garden. Tops small, roots globular, skin smooth, dark blood-red, flesh bright, crisp, tender, sweet.

DEWING'S EARLY BLOOD TURNIP. Of good form and flavor. Flesh and top deep blood-red; excellent for early or winter use. Handsome and handsome.

WOODRUFF'S EARLY WONDER. A very early beet, maturing earlier than the Crosby's Early. Has a very small tap root and fine flesh. Grows and matures very evenly so that it can all be pulled within a few days after you begin pulling crop. A good beet to sow as a second crop. It is said by market gardeners to be the earliest beet in existence.

HALF LONG BLOOD. An entirely distinct variety, and the best for winter use. The roots are pear-shaped, smooth, flesh bright red, crisp, tender and very sweet, never becoming woody, and retaining its excellent quality longer than any other sort.

LONG DARN BLOOD. Topp large, with good sized, long roots, tapering and growing even with the surface; dark red; flesh bright red, crisp, tender and very sweet.

EARLY MODEL. A perfect globe in shape with a very small tap root. The color of the flesh is equal to that of the best long beet in existence. The foliage is very small. The beets are always smooth and of the deepest blood red color while they quickly attain a good size.

ECLIPSE. An extra early variety with round, smooth, blood-red roots. Matures very early and is popular both for market and home garden.

Swiss Chard. Grown for its leaves only; mid-rib is cooked and served like asparagus, leaves used for greens. Pkt. 8c; oz. 15c; ½ lb. 60c; postpaid.

Brussels Sprouts

Matures 140 to 150 days from seed

Brussels Sprouts are highly valued in all European countries but are not generally appreciated here. Thousands and thousands of native-born Americans have never tried them and do not know what palatable and nutritious vegetables they are. They should be in every garden.

Culture same as for early or late cabbage, depending on whether an early or late crop is desired, with the exception that the seed should be sown a few days earlier and when the plants are planted out they should be set 35 inches apart in rows 2 feet apart. One ounce will sow 200 feet of drill. The stem which usually grows from 20 inches to 2 feet in height, is covered with miniature Cabbages' which may be boiled like cabbage or cooked in cream like cauliflower. They are by all means the most delicious and delicately flavored of the cabbage family. On this variety the heads grow very closely and its quality is the finest. Price, pkt., 8c; oz., 29c; lb., 55c; postpaid.

Broccoli

The culture is the same as in all essentials as for Cauliflower, in fact it is a good deal like Cauliflower. It is grown mostly successfully in the seasons is long, cool, and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than Cauliflower.

NEW WHITE CAPE. A very desirable variety. It has medium sized heads, close and compact, and of a beautiful creamy white color. A sure head. Price, pkt., 8c; oz., 40c; postpaid.

Cauliflower

These need a deep, rich, moist soil, and require the same treatment as cabbages. For early summer varieties, seed should be sown in hotbed early in March, transplant when weather is warm. For late or autumn varieties, sow in March or April, transplant in June. Often.

DANISH GIANT (Dry Weather). The merits of this first class cauliflower are recognized by its increasing popularity. The crop is 2 or 3 weeks earlier than the Earliest Erfurt. The heads are pure white and of fine quality. The plants are less affected by dry weather than any other variety, making it very valuable for dry sections. Price, pkt., 8c; oz., $1.75; oz., $3.00; postpaid.

ELDER SNOWBALL (Early Selected). This very superior strain is noted for producing plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. For forcing or planting in open ground no other variety can surpass it. Good for early, second early, and late planting. Price, pkt., 8c; oz., $1.35; oz., $3.00; postpaid.

EARLY EARLIEST ERFURT. A very fine strain producing large, white, firm heads close and of excellent quality. Dwarf, early and always certain to head early or late. Later and larger than Earliest Erfurt. Price, pkt., 8c; oz., $1.90; postpaid.
Cabbage

COPENHAGEN MARKET. Best early flat-headed cabbage. The illustration is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round or flat-headed sort. The ripening is early and uniform all maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

EARLY YORK. Very early; small heart-shaped. Firm and tender. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

EXTRA EARLY EXPRESS. The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

EARLIEST ETAMPS. Earliest of All. Externally early, with small, quite solid, pointed heads; excellent quality. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

EARLY JERSEY WAKEFIELD. Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. Price, pkt., 8c; oz., 40c.; 1 lb., $1.50; postpaid.

EARLY WINNINGSTADT. One of the best, being very hardy and sure to head; suffers less from the cabbage worm than any other sort; heads regular, conical very hard and keeps well. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

SECOND EARLY or SUMMER VARIETIES

EARLY DRUMHEAD. A fine strain; of dark bluish-green color, plant very hardy, compact, flat head. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

EARLY DWARF FLAT DUTCH. An early cabbage of good size. Heads are flat and very solid. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

EARLY SUMMER. Deservedly popular with market gardeners throughout the country. It forms large, solid, round, flattened, compact heads of excellent quality, tender and sweet. The heads average over double the size of the Jersey Wakefield, weighing eight to ten pounds each, while it matures only ten or twelve days later. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

ALLHEAD EARLY. Earlier than any other large cabbage, larger than any other early cabbage. Heads deep, flat, solid, uniform and very tender owing to its rapid growth. An all-the-year cabbage. We consider this one of the best second-early sorts on our list. Price, pkt., 8c; oz., 75c; 1 lb., $3.00; postpaid.

ALL SEASONS. (Vandergaw.) This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-season variety. Price, pkt., 8c; oz., 80c; 1 lb., $2.50.

LATE or WINTER VARIETIES

AUTUMN KING. Is extremely large and solid. Flat headed winter variety. Price, pkt., 8c; oz., 40c; 1 lb., $1.25; postpaid.

NOTICE:—All cabbage seed prices, except packets, on this page are incorrect; for correct prices, see Page 24.

Fulton County, Ohio, Feb. 20, 1918.

Griswold Seed & Nursery Co.
Lincoln, Nebraska.

Dear Sirs: Last year I ordered seed of your firm and was well pleased. The Peas did just fine. I never saw better ones. The muskmelons were the only ones we had get ripe and the quality was the best ever. The Sweet Corn came up fine and best of all was the John Bier Tomato. We certainly were well pleased with the seed you sent us. Several of my friends are making up garden seed orders for you.

Yours truly,

MRS. J. A. COGAN.
Carrots

One ounce to row 100 feet long. 2½ lbs. per acre. Ready for table in from 95 to 120 days from seed, according to variety.

Any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early as the ground can be worked, sow the smaller kinds in rows 16 to 18 inches apart. For field culture sow in drills 18 to 24 inches apart.

CHANTENAY. The market gardener’s and trucker’s favorite. It is an early, very prolific, half long, stump-rooted variety, smooth-skinned, fine in appearance and entirely leafless. It is pulled very early. The color is a rich orange and the texture and quality are unsurpassed. The finest of all sorts, and it is undoubtedly the best bunching carrot for early market use.

DANVER’S HALF LONG POINTED. A half long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. Roots six to eight inches long, tapering uniformly to a blunt point. Flesh deep orange, tender and of good quality. Although the roots of this variety are comparatively short they often produce as large a bulk as the longer field sorts and are more easily harvested.

EARLY or SHORT. One of the most popular varieties grown; color deep orange; flesh fine grained and of agreeable flavor; tops small; has a short stump-shaped root. Grows well in shallow soil one of the best for early outdoor planting and for table use.

HALF LONG STUMP ROOT. The tops are of medium size, roots deep orange, large, tapering to a dull point. Smooth, crisp and tender.

HALF LONG SCARLET NANTES. The leaves are fine, the roots are almost cylindrical, very smooth, of good shape and size, and about six inches long; the flesh is red and very sweet. They are easily pulled and keep well. A most excellent sort.

IMPROVED LONG ORANGE. Large, smooth, and of rich orange color. A good keeper, of fine quality for table use, and highly nutritious for stock.

OX HEART or GUERANDE. A thick carrot, five inches long and very blunt at the lower extremity. It grows very rapidly, and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep orange color and is a variety we recommend to all market gardeners.

Price of all Table Carrots, pkt. 8c; oz. 20c; ¼ lb. 60c; postpaid.

Carrots For Stock

Sow 4 to 6 lbs. to the Acre in April or May
These are undoubtedly the most valuable of all the roots usually grown for stock. They are more nutritious than turnips and nearly all animals like them and are benefited by them.

LARGE WHITE BELGIAN. Grows one-third out of ground. Roots pure white, green above ground with small top. Flesh rather coarse. The roots grow to a large size. Price, pkt., 8c; oz., 10c; 1 lb., 40c; postpaid.

LARGE YELLOW or VICTORIA. Largest, heaviest cropping and most nutritious variety in cultivation; roots fine, of light orange color, and possessing high feeding properties; good Keeper. Price, pkt., 8c; oz., 15c; ¼ lb. 60c; lb. $1.50; postpaid.

Celery

One ounce to 3,000 plants or 200 feet of drill.
Sow the seed (which is slow to germinate) in shallow boxes or hotbed, cover the seed not too deep. Keep the seeds germinate. When about four inches, thin out and transplant so that they may stand three inches apart, when the plants are four inches high, cut off the tops, which will cause them to grow stocky. The essentials to success in celery growing are rich soil and plenty of water. The best results are usually obtained from setting about the middle of June or the first of July.

CELERIAC GIANT PRAGUE. The roots of this celery are turnip-shaped, large and smooth; are almost round and with a very few side roots. Sweet and tender and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Price, pkt., 8c; oz. 40c; ¼ lb. $1.00; postpaid.

GIANT GOLDEN HEART. This variety attains a large size, but still remains crisp and tender. Price, pkt., 8c; oz. 40c; 1 lb. $1.50; postpaid.

GIANT PASCAL. One of the best for fall and winter use. The stalks are very large, solid, crisp and of rich, nutty flavor. Price, pkt., 8c; oz. 35c; ¼ lb. $1.00; postpaid.

GOLDEN SELF-BLANCHING. This is without doubt the best celery for general use, the ribs are perfectly solid, crisp, brittle and of delicious flavor, while it has the decided merit of being self-blanching to a very remarkable degree. Price, pkt., 8c; oz. 50c; ¼ lb. $1.75; postpaid.

WHITE PLUME. (See cut.) A variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white. By simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. Price, pkt., 8c; oz. 35c; ¼ lb. $1.00; postpaid.

CELERIAC CABBAGE. In appearance it is more like Stalk Celery or Cos Lettuce than Celery Cabbage, but to the palate a delicious celery-flavored cabbage, which may be served as a salad, as hot or cold slaw or boiled, minced and seasoned with butter or cream sauce. The seed should be sown during summer for use in autumn or winter. Sow in drills 16 to 20 inches apart, thinning out in the rows two or three times as necessary. Price, pkt., 8c; oz. 50c; 1 lb. $1.75; postpaid.

IT WILL PAY YOU TO LOOK ON PAGE 23
One pound will plant 100 hills; 15 to 20 pounds to an acre in hills.

Sweet Corn being liable to rot in cold, wet ground should not be planted before May, or until the ground has become warm; practically nothing is gained in time, and much is lost in quality by planting too soon.

**Howling Mob**

**GOLDEN BANTAM.** Extremely hardy, can be planted earlier than any other true sweet corn, thus producing the earliest supply. Ears 6 inches long, with 8 rows of grains, which are a golden yellow when ready for use. Can be planted thickly, and every stalk should have from 3 to 5 perfect ears. Price, pkt., 8c; lb., 35c; postpaid.

**HOWLING MOB.** Its peculiar but apt name refers to the vociferous demand for the ears when the originator, Mr. Keller, took them to market. The stalks are of strong, vigorous growth, 4½ to 5 feet in height, have abundant foliage and generally produce two fine ears to a stalk. The ears measure from 7 to 9 inches in length with twelve to fourteen rows of good sized pearly-white grains. Price, pkt., 8c; lb., 30c; postpaid.

**EARLY CHAMPION.** Only a few days later than the extra earlies, bearing large, handsome, twelve-rowed ears. Deep, white, plump, grains of milky tenderness and very sweet. Very productive. Price, pkt., 8c; lb., 35c; postpaid.

**EXTRA EARLY PREMIO.** A real Sweet Corn as early as Extra Early Adams. Large, sweet and tender. Plant early, as it will stand some frost. Price, pkt., 8c; lb., 35c; postpaid.

**PEEP O'DAY.** The two points of this new corn are its extraordinary earliness and sweetness. It is also very productive, the stalks bearing from two to five ears, are very dwarf, which admits of their being planted close together. Price, pkt., 8c; lb., 35c; postpaid.

**COUNTRY GENTLEMAN (Shoe Peg).** Has a small cob densely covered with irregular rows of very long, slender grains of fine quality. Price, pkt., 8c; lb., 30c; postpaid.

**CROSBY’S EARLY.** Remarkable early and of the best flavor. Ears of medium size, twelve-rowed, with grains very tender and sweet. Price, pkt., 8c; lb., 30c; postpaid.

**EARLY EVERGREEN.** This is a very popular Sweet Corn. It is in the second early class, comes to maturity fully 10 to 12 days earlier than Stowell’s Evergreen and yields large, handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness. Price, pkt., 8c; lb., 30c; postpaid.

**EARLY MINNESOTA.** One of the best early sorts for the market or private garden. Stalks four to five feet high and bearing one or two long, eight-rowed ears; kernels very broad, sweet and tender, not shrinking much in drying. Price, pkt., 8c; lb., 30c; postpaid.

**MAMMOTH SUGAR.** Produces the largest ears of any sort; excellent quality, sweet, tender, delicious; late variety. Price, pkt., 8c; lb., 30c; postpaid.

**MAMMOTH WHITE CORY.** Nearly as early but larger than Early Cory. The ears are 12-rowed; grains are broad, very white and of excellent quality for an early sort. Price, pkt., 8c; lb., 30c; postpaid.

**STOWELL’S EVERGREEN.** The standard main crop variety. It is hardy, large-growing and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Price, pkt., 8c; lb., 30c; postpaid.

**PAPAGO SWEET CORN**

We call it Papago because a few kernels were found several years ago on the Papago Indian Reservation south of Tucson, Ariz. It thrives well on hot and grows and produces admirably in an arid section. The stalks grow to a height of about 7 feet, and each one produces from 2 to 4 well filled ears of the sweetest and most delicious corn one ever ate from a cob. In a hot-dry section it will out yield all varieties of Sweet Corn nearly 10 to 1. Price, pkt., 8c; lb., 40c; postpaid.
Cucumbers

One ounce to 50 hills; 2 to 3 lbs. to the acre. Earliest varieties ready for table use in 50 to 55 days from seed. Main crop in 65 to 75 days.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to a hill.

Davis New Perfect Cucumber (Field Run)

EVERBEARING. Small, very early and productive; solid, few seeds and of fine quality. It continues to bear until frost. Price, pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.

IMPROVED JERSEY PICKLING. A standard small variety, dark green, tender, crisp, productive, of fine flavor and uniform size. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

IMPROVED LONG GREEN. A well-known standard, main crop variety, about 9 in. long, of excellent juiciness, and makes the best of pickles. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

IMPROVED EARLY WHITE SPINE. For forcing it is preferred to all others. Flesh tender and crisp. Fruit uniform in size, straight and light green, with a few white spines. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

JAPANESE CLIMBING. The vines can be trained to climb, thus requiring less ground space. The cucumbers are thick, tender, and of a delicate flavor, flesh white; skin dark green, turning to brown and netted when ripe. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

Boston Pickling or Green Prolific. One of the best pickling varieties; dark green, tender, crisp and productive. Price, pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.

Davis Perfect. This cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally as good for out-door culture. The color is a dark, glossy green; in shape it is smooth and symmetrical with an average length of ten to twelve inches. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

Early Cluster. A short pale green variety; fruit borne in clusters near the root, containing few seeds. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

Early Frame or Short Green. Excellent for table use and for pickling. Fruit straight, smaller at each end; bright green, flesh tender and crisp. Price, pkt., 8c; oz., 15c; 1 lb., 35c; postpaid.

Lemon Cucumbers. A new kind of cucumber, called the "Lemon". It is similar in color and shape to a lemon, hence its name. Its flavor is delicious and it is never bitter. Excellent for slicing—we know of none equal to it; used in salads and when quite small is often eaten like radishes. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

CORN SALAD

This is a hardy winter salad, the small leaves being served like lettuce during the cool fall and early winter months. It is used also for garnishing meat dishes in the same manner as parsley and cress. The seed should be sown thinly in drills during August, September and October to supply fresh leaves during the cool fall and winter months. It is quite hardy, and after cool weather sets in can be protected by a thin mulch of hay or straw. Price, pkt., 8c; oz., 15c; 1 lb., 30c; postpaid.

Cress or Peppergrass

Ready in from 21 to 40 days. Cress should be sown in a sheltered spot quite thickly in shallow drills, in a short time it will be fit for cutting. Sow frequently, as it matures rapidly.

Extra Curled. This small salad is much used with lettuce. The warm, pungent taste makes a most agreeable addition. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

Water Cress. Hardy perennial, growing rapidly on the banks of streams or ponds. Price, pkt., 8c; 1 oz., 35c; oz., 50c; postpaid.

Collard

The Collard makes excellent greens and is also excellent for all kinds of stock. The leaves may be pulled from underneath the head of the plant and cattle, hogs and poultry are very fond of it. Such action does not injure the growing and preserving of the Collard for human food. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

Chives

Chives (Schnittlouch). A perfectly hardy plant, something like an onion. Tops are cut off from time to time and used to flavor soup. Price, seed, pkt., 8c; clumps, 30c each; postpaid. By express, 81.50 per dozen.

Chufas or Earth Almond

In sweetness and flavor very much resembles a coconut or almond and greatly liked by all children. Vary in size from a large pea to a hazelnut. The nuts grow under and very near the surface of the ground, easily reached and relished by pigs and poultry. As soon as the crop is grown, turn the animals into the field, thus saving the labor of harvesting and feeding, and when either hogs or chickens get a taste of them, they will go over the whole field in search of them. Very prolific, nutritious and fattening. Price, pkt., 8c; 1 lb., 20c; 1 lb., 35c; 1 lb., 60c.

Remember all 8c packages of seed listed in this catalog are also 2 for 15c.

To make a hot bed, see page 2.
Egg Plant

One ounce to 1,000 plants. Ready for table in 14 to 160 days.
A tender plant, start early in hotbed or in the house. Plant out early in June, care being necessary to prevent plants being chilled by the change.

BLACK BEAUTY is ten days to two weeks earlier than New York Improved. The fruits are large, of a rich, glossy purplish black color, very handsome and attractive. It is entirely free from spines. Price, pkt., 8c; oz., 55c; postpaid.

IMPROVED NEW YORK PURPLE. (See cut.) Entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. Price, pkt., 8c; oz., 30c; postpaid.

ENDIVE

One ounce to 100 feet of drill. Ready for table in 43 to 50 days from seed.
One of the best autumn and winter salads. Sow from June until August, an inch deep in drills 14 inches apart and thin out to 1 foot apart in rows. When nearly grown, bleach by tying tips of leaves together.

GREEN CURLED, WINTER. Very hardy; leaves dark green and tender. Much better than the common varieties.

MOSS CURLED. Leaves very finely curled. Price, pkt., 10c; oz., 25c; 1 lb., 60c; postpaid.

WHITE CURLED. Very tender when cut young; blanches readily. Price, pkt., 8c; oz., 25c; 1 lb., 50c; postpaid.

KALE or BORECOLE

This is a popular boiling-green for fall, winter and early spring use, resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. The plants are usually cut off for use when the leaves are 6 inches in length. The sweetness and flavor of these greens are improved by freezing weather. One ounce should produce 4,000 plants.

DWARF KALE. The leaves are curly, bright green, very tender, and delectable flavor. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

TALL GREEN CURLED. About 2 feet high, with numerous dark green curled leaves. Price, pkt., 8c; oz., 1pc; 1 lb., 85c; postpaid.

FINOCCHIO

FLORENCE FENNEL. A delicious vegetable, which should be more largely grown in this country. It is extensively used in Italy as a salad, and also may be served boiled. When the enlargement of leaf stalk; at base of stem, is about the size of a hen's egg it should be cut up so as to cover half of it and in about 10 days cutting may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery but it has a sweet taste and delicate odor. Price, pkt., 8c; oz., 10c; 1 lb., $1.25; postpaid.

GARLIC

The sets should be planted in spring. Cultivate same as onions. Sets, per oz., 5c; 1 lb., 20c; lb., 75c; postpaid.

KOHLRABI

One ounce to 300 feet of drill, and makes 5,000 plants
A vegetable intermediate between the cabbage and turnip. The edible bulb is served like turnip. Sow from May to July in rows 15 inches apart, and thin. Cultivate same as cabbage.

EARLIEST SHORT-LEAVED WHITE VIENNA FORCING. This variety is especially adapted for early work and forcing: delicate flavor, flesh white and very tender. Price, pkt., 8c; oz., 25c; 1 lb., 85c; postpaid.

EARLY WHITE VIENNA. A favorite sort; flesh white and tender. Price, pkt., 8c; oz., 20c; 1 lb., 85c; postpaid.

EARLY PURPLE. Purple outside with white flesh. Price, pkt., 8c; oz., 20c; 1 lb., $2.00; postpaid.

HORSERADISH

This splendid appetizer cannot be over-estimated. 25 plants are sufficient for a family. The roots grow and increase rapidly in size with each succeeding year. Plant in a corner of the yard where you wish it to grow and you can begin digging the next year. Postpaid, 50c doz.; not postpaid, 40c doz.

LENTILS

A leguminous annual, resembling peas, with round, flat seeds, which are much used for soup and making a delicious dish; they are also splendid for pigeon feed. Seeds and leaves make good fodder. Succeeds well on dry soil. Price, pkt., 8c; lb., 50c; postpaid. By express, 5 lbs., $3.00.

The BEE SUPPLY DEPARTMENT we recently added has proven a big success. We carry a full line of A. I. Root's Bee Supplies which have given the best of satisfaction. A full list of supplies on pages 67 to 73.

HOW TO MAKE 40C IN FIVE MINUTES—Page 23

FOR QUANTITY PRICE, SEE PAGES 24 AND 25
**CURLED OR LOOSE LEAF VARIETIES**

**SIMPSONS EARLY CURLED.** Leaves broad, frilled and blistered. Light green, sweet, tender, and well flavored. An early, erect growing sort. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**EARLY PRIZE HEAD.** Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinged with brownish red. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**EARLY CURLED SILESIA.** An early, erect growing and loose heading lettuce, especially adapted for out door planting, and can be used when very young. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**BLACK SEEDED SIMPSON.** The leaves are large and form a compact mass. They are thin, tender and of a very light green color. Well adapted for growing under glass or for very early spring use. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**GRAND RAPIDS.** As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being fit to cut. The plant is upright and forms a loose cluster of large, light leaves. It is also excellent for out door planting. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**CABBAGE OR HEADING VARIETIES**

The best results with head or cabbage sorts is only obtained when the plants are transplanted several times.

**BIG BOSTON.** A large heading, forcing sort, very hardy and vigorous, with broad, comparatively smooth, thin and very hard, bright green leaves. Price, pkt., 8c; oz., 15c; ½ lb., 45c; postpaid.

**ICEBERG.** Makes a large, handsome, crisp head, conical in shape, tightly folded and well balanced; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during hot summer months. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**HANSON.** Forms a large, flat head, resembling that of cabbage and so slow to form a seed stalk that it often fails to seed at all. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**DENVER MARKET.** An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**CALIFORNIA CREAM BUTTER.** Forms round, crisp, solid heads, of buttery flavor, medium early. One of the best summer varieties of head Lettuce. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**GARDEN HERBS**

Herbs delight in a rich, mellow soil. Those marked with a * are perennial. Sow early in spring in shallow drills, one foot apart; when up a few inches thin out; cut just before they come into full blossom, tie in bunches and hang up or spread thinly.

**DILL.** Leaves and seed are used in soups, sauces and pickles. It reseeds itself each year. Price, pkt., 8c; oz., 15c; ½ lb., 50c; postpaid.

**LAVENDER.** Aromatic, medicinal herb. Price, pkt., 8c; oz., 20c; ½ lb., 75c; postpaid.

**MINT.** The old fashioned mint has been growing in favor of late years. Used in flavoring meats, etc., also for mint sauce. Easily grown. We offer only roots. Price, per clump, 25c; 2 for 50c; postpaid.

**MAJORAM (Sweet).** Leaves and shoots used for seasoning. Price, pkt., 8c; oz., 20c; ½ lb., 75c; postpaid.

**LEEK.** (American Flag). The Leek is a very hearty plant with a sweet onion-like flavor. It does not make bulbs, but the plant has a long, thick neck somewhat resembling the young growth of the onion in the spring. These necks or stems are blanched in the fall by drawing the earth up about them as the plants increase in growth. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**SAGE.** Most useful herb for seasoning. Price, pkt., 8c; oz., 15c; ½ lb., 40c; postpaid.

**SUMMER SAVORY.** Used for flavoring soups. Price, pkt., 8c; oz., 15c; ½ lb., 75c; postpaid.

**THYME.** For medicinal use. Price, pkt., 8c; oz., 50c; ½ lb., 5.20; postpaid.

**VEGETABLE PLANTS LISTED ON PAGE 2**
Musk Melons

One ounce to 50 hills; 2 to 3 pounds per acre. Earliest varieties ready in 90 to 100 days from sowing. General crop requires 115 to 140 days.

Melons thrive best in the light, rich soil. Plant when the ground has become warm and dry. The letter G following name signifies green meat; S, salmon colored.

ROCKY FORD. G. This variety, well shown by our illustration, has every characteristic in great demand. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colo., to the large cities, taking the place of other varieties of just the right size for table use. Price, pkt., 8c; oz., 15c; 1 lb., 40c; lb., $1.25; postpaid.

OSAGE or MILLER'S CREAM. S. A standard sort, medium size, oval, dark green, netted and slightly ribbed. The flesh is thick, firm, rich salmon colored, highly flavored and delicious to the rind. Price, pkt., 8c; oz., 15c; 1 lb., 40c; lb., $1.25; postpaid.

EMERALD GEM. S. Where an extra melon for home use is wanted, nothing can equal this superb sort. Of medium size, outside skin emerald green and smooth. Ripens clear through to rind, which is very thin. Flesh is thick and juicy, of nice salmon color. Price, pkt., 8c; oz., 15c; 1 lb., 40c; lb., $1.25; postpaid.

ROBINSON'S LUXURIOUS GOLD LINED ROCKY FORD CANTALOUPE. This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. It is thick meated, fine grained and sweet; color green with a golden hue on the seed cavity. Price, pkt., 8c; oz., 25c; 1 lb., 65c; lb., $2.00; postpaid.

CHICAGO MARKET. G. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy, delicious flavor and free from rot. Price, pkt., 8c; oz., 15c; 1 lb., 40c; lb., $1.25; postpaid.

EDEN GEM or NETTED ROCKY FORD CANTALOUPE G. This magnificent new musk melon is a selection of the old Rocky Ford which it closely resembles in lusciousness, yield, carrying, and good selling qualities. Price, pkt., 8c; oz., 15c; 1 lb., 50c; lb., $1.50; postpaid.

BANANA CASTALOUPE. S. The melons grow 24 to 30 inches long; stand summer sun as no other cantaloupe will, and continue to bear until late in the season. The salmon-colored flesh is thick and of delicious banana-like flavor. Price, pkt., 8c; oz., 15c; 1 lb., 50c; lb., $1.50; postpaid.

BURRELL'S GEM. S. Very much like Rocky Ford, but has orange colored flesh. The flesh is fine grained and spicy. It is a good keeper. Fruits large and somewhat elongated. Price, pkt., 8c; oz., 15c; 1 lb., 50c; lb., $1.75; postpaid.

NUTMEG. G. Fruits round, seven inches in diameter, slightly flattened at the ends. Well ribbed and heavily netted; thick pale-green flesh, sweet and melting. Price, pkt., 8c; oz., 15c; 1 lb., 40c; lb., $1.25; postpaid.

SANTA CLAUS MELON. S. Just thinking of having a melon to eat with your Christmas dinner? Here is what is claimed by the originator of this wonderful novelty, There is no seed cavity. The seeds are embedded in a juicy, meaty, thick, rich, green flesh is absolutely stringless; its flavor excels anything in the melon line; it is in a class by itself and is beyond description. This melon should become more popular than the Rocky Ford, because it is more delicious and it is a Christmas melon. Price, pkt., 8c; oz., 20c; postpaid.

NEW BUSH. For description and price see page 2.

Mushroom Spawn

The Mushroom is a delicious edible fungus of which there are numerous varieties. We handle the ordinary commercial variety of a creamy white color with loose gills which underneath are of pinkish color, changing to a light brown. These can be grown in a warm cellar or enclosed shed in which an even temperature can be maintained of fifty or sixty degrees and where a plentiful supply of fresh horse manure for making the bed can be obtained.

AMERICAN (Pure Culture Spawn) Prepared by the new grafting process, from selected and most desirable varieties which has never failed to run. Price per brick, (enough for 8 square feet), 35c; 5 for $1.50; by mail, $1.50; postpaid. By express, add a small expense, per brick, 25c; 6 bricks, $1.40; 12 bricks, $2.75.

MUSHROOM CULTURE A most practical work on the growing of mushrooms. Describes how they may be grown with profit by market gardeners, and also how to grow them for home use. Illustrated 32 pages. Price, 25c; postpaid.
Watermelons

Ready from 90 to 140 days from seed. One ounce to 30 hills; 4 lbs. per acre.

To get good strong vines early in the season, make large, well drained hills of earth, made very rich, about eight inches in diameter. Set the seed as soon as the ground is warm and dry, and carefully protect the young plants from insects, and hasten their growth by the use of liquid manures. In, light seed; do, dark seed.

BLACK BOUNDEL, ds. It is enormously productive, nearly round in shape, reaching a mammoth size, with rich dark green skin; flavor equal to any melon, and stipping qualities excellent. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.


HONEY. Is. This watermelon is the best shipping melon grown, being even larger, earlier and far more productive than the Kolb’s Gem, which has heretofore been considered the best melon for shipping. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 85c. postpaid.

SWEET HEART. Is. Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly striped; rind thin, but firm, flesh bright red, firm and solid but very watery. It is a product of the best seed. The melons retain their good quality for a long time. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

ALABAMA SWEET. Is. This is a large oblong melon; color, dark green with faint lighter stripes. Being of good size they are one of the first class for shipping purposes. Its flavor is simply delicious, it is entirely stringless. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 85c. postpaid.

ICE CREAM (Peerless). Is. It is medium in size, almost round; the skin is pale green; slightly mottled; flesh bright red scarlet, solid to the center. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

MEYER’S WONDERFUL SUGAR. Is. The melons attain a great weight, are of a very handsome appearance, never crack or lose their fine flavor. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

COLORADO PRESERVING CITRON. Is. This is a large fruiting strain of citron for preserving. Flesh clear white and very solid. Green seed. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

PHINNEY’S EARLY. Very early, quality good; handy. Bear about 5 lbs. each; oblong to round; skin thick, smooth rind; flesh pink and tender. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

KLECKLEY’S SWEETS. (Monte Cristo). Is. Large, oblong melon, skin dark green. The rind is only about 1 inch in thickness. The flesh is sweet and sugary and is of such texture that it leaves no strings of pulp in eating. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

HALBERT’S HONEY. Is. A splendid sort for home use or local market. Vine vigorous and productive; fruit large and oblong; color dark glossy green. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 85c. postpaid.

MAMMOTH SOUTHERN CURLED. The large curled leaf variety, popular in the South, where the seed is sown in the fall for spring use. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 85c. postpaid.

WHITE. A small pungent salad; the seed is also used for flavoring pickles, etc. Price, pkt., 8c; oz., 15c; 1 lb., 35c; lb., 80c. postpaid.

LINCOLN BRAND EXCELLENCY

We want to impress on all our customers the necessity of buying pure seeds. We suppose only such seeds as we find shown a high degree of purity. This is a very important matter to the planter. Quality in your seed counts more than in almost anything else. Beware of cheap seeds. The best is always the cheapest. Our Lincoln Brand Cheek seeds are selected from the best stock, and all cheap seeds are seeds you are almost sure to get poor quality. We reclassify all our seeds before sending them out, and put them up in first class bags; therefore, they are worth more than seeds that are not cleaned. It will pay you to take these facts into consideration when you decide from whom you are going to order your seeds this coming season. This guarantee of excellence applies also to all our supplies. The back pages of this book will be found filled with poultry foods and supplies, also all things used by the market gardener and fruit grower.
Onions

One ounce to 300 feet of drill; 4 to 5 lbs. to the acre Ready for green onions in 60 days. Main crop matures in 130 to 190 days from sowing.

The onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground contrary to the general rule, rather improves the crop than otherwise. As early as the ground can be worked in the spring, sow the seeds in drills 14 inches apart, covering half an inch. When plants can just be seen in the rows, commence hoeding, skimming the surface. Subsequently weed thoroughly and carefully by hand. When tops die, pull onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off 1 inch from the bulb.

GLOBE WETHERSFIELD, RED. Remarkable for size, earliness, perfect beauty of color: distinct from shallots and long varieties. Possesses all the excellent qualities of Red Wethersfield and Yellow Globe Danvers. Price, pkt., 8c; oz., 35c; lb., 1 lb., $1.10; postpaid.

LARGE RED WETHERSFIELD. This is the standard and favorite variety. Large size, deep, purplish white, stronger flavor than large varieties. Very productive and an excellent keeper. Price, pkt., 8c; oz., 35c; lb., $1.25; postpaid.

RED BERMUDA. Bulbs of this variety are similar in form and early ripening to the Bermuda White but grow larger in size, ranging from three to four inches larger in diameter: very flat and of a light pink color. The flesh is white, slightly suffused with pink. Price, pkt., 8c; oz., 45c; lb., $1.25; postpaid.

SOUTHPORT LARGE RED GLOBE. The handsomest and most richly colored of all red onions. Are remarkably uniform in size. The extra dark rich coloring makes a most attractive appearance when prepared for market. The plants are thin-necked, ripening down to a hard solid ball—insuring the largest percentage of market onions and the best keeping qualities. Price, pkt., 8c; oz., 50c; lb., $1.25; postpaid.

SOUTHPORT WHITE GLOBE. Of all our American varieties of market onions, this generally commands the highest price. Or true globe form, the onions are two or two and a half inches in diameter, with a thin, delicately skinned of pure white whitened flesh, in crisp, fine-grained, snow-white color and very mild flavor. Price, pkt., 8c; oz., 50c; lb., $1.50; postpaid.

SOUTHPORT YELLOW GLOBE. Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Price, pkt., 8c; oz., 35c; lb., $1.00; postpaid.

WHITE PORTUGAL or SILVER SKIN. Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper; handsome appearance. Price, pkt., 8c; oz., 50c; lb., $1.50; postpaid.

WHITE QUEEN. This is the best of all for small pickles and the earliest ripening onion in cultivation. The bulb of the white variety are generally very small. Price, pkt., 8c; oz., 40c; lb., $1.50; postpaid.

YELLOW GLOBE DANVERS. A fine productive variety of medium size, skin coppery yellow, flesh white, comparatively mild and well flavored. Best of keepers. Price, pkt., 8c; oz., 35c; lb., $1.50; postpaid.

OKRA or GUMBO

One ounce to 40 feet of drill. Ready for table in from 80 to 100 days.

The pods when young are used in soups, stews, etc. The plants are of the easiest culture. Sow at the usual time for all late vegetables; in drills two inches deep, setting the plants 2 feet apart.

IMPROVED DWARF. An early variety, pods comparatively short but very numerous. Price, pkt., 8c; oz., 15c; lb., 40c; postpaid.

WHITE VELVET. Pods round, smooth, large and attractive; produced in great abundance. Price, pkt., 8c; oz., 15c; lb., 40c; postpaid.

ONION SETS

<table>
<thead>
<tr>
<th>Price</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0.20</td>
<td>20 qt.</td>
</tr>
<tr>
<td>$0.55</td>
<td>5 qt.</td>
</tr>
<tr>
<td>$0.30</td>
<td>20 qt.</td>
</tr>
<tr>
<td>$0.50</td>
<td>5 qt.</td>
</tr>
<tr>
<td>$1.00</td>
<td>10 qt.</td>
</tr>
</tbody>
</table>

Write us for prices on onion sets in larger lots.

FOR BEE SUPPLIES, SEE PAGES 67 to 73
Peas

Two lbs. to 100 feet of Drill. 85 lbs. per acre.

CULTURE—You will have the best results with early peas on light warm soil—but the main crop will do better on a fairly heavy soil that will retain moisture. Avoid too much nitrogen fertilizer such as fresh manure—as that causes heavy vine growth at expense of pods. A plot prepared the fall before is best. Sow early kinds as soon as possible in rows 3-5 inches deep and 21-33 feet apart, and for succession every two weeks until June 15. The very earliest varieties, planted in August, will often give a good fall crop.

The tallest varieties will do better if supported by brush or wire. Some plants in double rows (6 inches apart) and support the two together. The smooth sorts are hardest, but wrinkled varieties are of better quality. Planting distances and depths depend on variety and type of soil.

Those marked * are wrinkled and sweet.

EXTRA EARLY VARIETIES

ALASKA. 2 feet. The earliest blue pea, of good flavor, dark green pods, well filled and ripen uniformly. One of the very best for market gardeners. Price, pkt., 8c; lb., 30c; postpaid.

*AMERICAN WONDER. 1 foot. Of the finest quality. Very prolific, with pods of fine size and form; requires no brush or support. It may be planted a week apart for succession. Price, pkt., 8c; lb., 35c; postpaid.

*LITTLE MARVEL. An extremely valuable variety, especially suited to small home gardens and is also a splendid variety for early market gardening. The vines grow about 15 to 18 inches in height. The pods are dark green, fairly sized, produced in pairs and are closely tipped with seven to eight peas of extra fine flavor. Price, pkt., 8c; lb., 35c; postpaid.

*McLEAN'S LITTLE GEM. 1 foot. An early dwarf, green wrinkled pea, of superior flavor and very prolific. Price, pkt., 8c; lb., 35c; postpaid.

EARLY DWARF. This is one of the newest early dwarf peas. Similar to Sutton's Excelsior except a dark pod; very sweet and very productive. Height 1½ feet. Price, pkt., 8c; lb., 35c; postpaid.

TOM THUMB. 3 inch. A smooth, white sort, very dwarf. Price, pkt., 8c; lb., 35c; postpaid.

*NOTT'S EXCELSIOR. 1 foot. Earliest wrinkled pea; of close, compact, dwarf growth. The pods average 3 inches in length, and are well filled to the squared ends, with large peas, unusually sweet. It not only yields heavily in pods, but also in shelled peas. Price, pkt., 8c; lb., 35c; postpaid.

FIRST AND BEST. Height 2½ to 3 feet. Standard, white seeded extra early. Vines are vigorous and hardy, bearing from three to seven pods, containing from 5 to 7 peas of good quality. Price, pkt., 8c; lb., 35c; postpaid.

*DUCHESS OF YORK. A very fine, large sweet pea, maturing very closely with Gradus, but much more productive. Pods large, dark green, pointed and well filled. H. 3 ft. Price, pkt., 8c; lb., 35c; postpaid.

MAMMOTH PODDED EXTRA EARLY. On the order of Duchess of York, but pods one-fourth larger. Matures practically with Duchess of York and much more productive; seed large, smooth, white. Bound to take first place as a leading market gardener's first early pea. Height 3 feet. Price, pkt., 8c; lb., 35c; postpaid.

SECOND EARLY

ABUNDANCE. Height, 2 to 2½ feet. Seed green, wrinkled. This is a heavy yielding variety and is a capital sort for family use. possesses great sweetness and fine table qualities. Price, pkt., 8c; lb., 40c; postpaid.

*EVERBEARING. 2 feet. Peas are very large, of excellent quality. For continuance and profusion of bearing this variety cannot be excelled, which gives especial value for the late summer and autumn use. Price, pkt., 8c; lb., 30c; postpaid.

*SUTTON'S EXCELSIOR. This handsome wrinkled pea is so hardy, it may be planted as early as the hard-seeded "Early Varieties." The plants are dwarf, about 14 inches high, very stout, exceedingly productive, and the quality is all that could be desired. Price, pkt., 8c; lb., 35c postpaid.

LATE FOR MAIN CROP VARIETIES

*CHAMPION OF ENGLAND. 4 feet. Vines are very robust. Bears many pods, straight and well filled with tender peas, which are sweet and of excellent quality. It is a profuse bearer, most reliable late sort. Price, pkt., 8c; lb., 30c; postpaid.

*TELEPHONE. 4 feet. Immensely productive. Pods are very large, so well filled with peas of excellent quality that it has become one of the most prominent late peas to be grown for market. Price, pkt., 8c; lb., 30c; postpaid.

WHITE MARROWFAT. 4 feet. Vines are very robust. Bears many pods, always well filled. The peas are of ordinary quality. Price, pkt., 8c; lb., 30c; postpaid.

MELTING SUGAR. This is the best of the edible peas. The pods grow about 5 to 6 inches long, are stringless and very tender, and may be used the same as a snap bean; 3 to 4 feet. Price, pkt., 8c; lb., 40c; postpaid.

GET YOUR GARDEN SEEDS CHEAP, SEE PAGE 3
Pumpkins

D. Griswold Seed and Nursery Co., Lincoln, Nebraska

One ounce to 50 hills; 3 to 4 pounds per acre. From 100 to 120 days from sowing to maturity.

CONNECTICUT FIELD. An immensely productive, large, orange-colored, field pumpkin, usually grown for stock feeding, but it also makes good pies. Price, pkt., 8c; oz., 15c; 1 lb., 40c; postpaid.

SWEET POTATO. Pear shaped, good size, skin creamy white. The seed is all in the cavity of the large end, the thick neck being solid; exceptionally fine quality. Price, pkt., 8c; oz., 15c; 1 lb., 50c; postpaid.

SMALL SUGAR. Fruits of small size, averaging about ten inches in diameter, of excellent keeping qualities, flattened, slightly ribbed. Skin deep orange-yellow; flesh sweet. Very early. Price, pkt., 8c; oz., 15c; 1 lb., 50c; postpaid.

JAPANESE PIE. Early and productive, of medium size, large at one end, terminating in a crooked neck. Skin deep green with darker stripes; flesh is a rich salmon color; excellent quality; a good keeper. Price, pkt., 8c; oz., 15c; 1 lb., 40c; postpaid.

CUSHAW or CROOKNECK. (Sometimes called a squash.) Productive; color light cream, sometimes lightly striped; flesh salmon colored; meaty and sweet. Price, pkt., 8c; oz., 15c; 1 lb., 50c; postpaid.

LARGE CHEESE. This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field, but are flat shaped, with creamy buff skin and thick golden flesh; tender, large, hardy and productive. Excellent for table use. Good keeper. Price, pkt., 8c; oz., 15c; 1 lb., 40c; postpaid.

KING OF THE MAMMOTHS. (Jumbo or Potiron.) Weighs from 40 to 150 pounds. Round, flattened at both ends, skin and flesh bright yellow. It makes a good table pumpkin. Good keeper. Price, pkt., 8c; oz., 15c; 1 lb., 40c; postpaid.

PEANUTS

Culture very simple. Plant in light, sandy soil in April in pods or shelled, two to a hill on level ground. Hill up from time to time as required. Price, pkt., 8c; lb., 40c; postpaid.

PARSNIPS

One ounce to 100 feet of drill; 5 or 6 lbs. per acre. Matures in 125 to 140 days from seed.

Sow in April or early May. Cultivate the same as carrots. They may be dug in the autumn and stored for winter use, but if left in the ground till spring are very much improved in flavor.

HOLLOW CROWN. Standard variety, roots long, very smooth; white, tender, sugary, and of excellent flavor. Price, pkt., 8c; oz., 15c; 1 lb., 50c; postpaid.

IMPROVED GURNSEY. (Improved Half Long.) The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. Very smooth, the flesh fine grained and of excellent quality. Price, pkt., 8c; oz., 15c; 1 lb., 50c; postpaid.

PARSLEY

One ounce to 150 feet of drill.

Soak the seeds a few hours in lukewarm water and sow early in the spring in drills one foot apart. Thin out to four inches. A few seeds sown in onion rows use no space. To preserve in winter, transplant to a light cellar or glass frame. Parsley is esteemed for flavoring and for the beautiful appearance of the fresh green leaves as a garnish.

CHAMPION MOSS CURLED. The plant resembles a tuft of finely curled moss, leaves extra large, and a rich deep green. Price, pkt., 8c; oz., 25c; 1 lb., 40c; postpaid.

EXQUISITE. Beautiful and closely curled leaves of dark green, flavor excellent. As a pot plant for winter in window or on dining table it is simply "exquisite." Price, pkt., 8c; oz., 30c; 1 lb., 60c; postpaid.

TURNIP-ROOTED or HAMBURG. The root is the edible portion of this variety, and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to Celery. Very hardy and should be cultivated like parsnip. Extensively grown and used for flavoring soups, etc. Foliage same as plain parsley. Price, pkt., 8c; oz., 30c; 1 lb., 60c; postpaid.
Radishes

One ounce to 100 feet of drill; ready in 18 to 45 days from seed according to variety. Radishes must make a rapid growth to be crisp and tender. For early use sow in the hotbed, half an inch deep. For an early crop in the open ground, sow thinly in drills on rich, sandy soil as early in the spring as it is fit to work. For a succession sow every two weeks.

Varieties marked * good for forcing.

EARLY BIRD. Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed. Price, pkt., 8c; oz., 25c; 1 lb., 75c; postpaid.

*NON PLUS ULTRA FORCING. This variety has as small a top and is as early as any in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. Price, pkt., 8c; oz., 25c; 1 lb., 75c; postpaid.

*SAXA RADISH. At last we have found a good forcing radish, which is also very fine for outdoor culture. The root remains fit for use longer than any other forcing variety. The radish at maturity is about 1 1/2 inches in diameter. The roots are round or ball shaped; color deep, fiery scarlet with no tinge of purple. Price, pkt., 8c; oz., 35c; 1 lb., 75c.

EARLY SCARLET TURNPIP, WHITE TIP. A most popular and attractive variety, a great favorite in many large markets. The bright scarlet, with white tip, and of a beautiful shape; flesh white, crisp and finely flavored. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

EARLY SCARLET GLOBE. A very handsome radish, of rich, bright scarlet color, and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. Price, pkt., 8c; oz., 30c; 1 lb., 60c; postpaid.

WHITE OLIVE FORCING. White flesh and skin; crisp and mild flavor. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

EARLY SCARLET TURNPIP. A round, red, turnip-shaped radish, with a small top, and of a small size. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

FRESH BREAKFAST. A great favorite. Beautiful, bright scarlet, with pure white tip. Oblong in shape, medium size, makes rapid growth. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

GIANT CRIMSON GLOBE. A new variety suitable for forcing or early planting out of doors. Will grow to 6 and 7 inches in circumference. Price, pkt., 8c; oz., 60c; postpaid.

NEW SPARKLER. A distinct, new 18 to 21-day radish; has a beautiful scarlet top; with tip of pure white. Is solid, crisp and sweet, remaining so for a long time. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

WHITE ICICLE. Finest of early, pure white varieties. Ready for pulling in about three weeks. Long and slender, clear pure white. Price, pkt., 8c; oz., 15c; 1 lb., 60c; postpaid.

EARLY LONG SCARLET, SHORT TOP. The long, slender, handsomely colored roots are most attractive in appearance, crisp, brittle and of the choicest quality. Price, pkt., 8c; oz., 15c; 1 lb., 50c; postpaid.

CHARTIER. One of the best varieties for growing outdoors. The radishes are in good condition for the table very early and remain hard and crisp until they reach a diameter of about 1 1/2 inches thus afford-

WINTER SORTS

Sow in July. Pull before severe frost and store in damp cellar.

CHINESE ROSE (Scarlet China). Large oval, bright rose-colored, good keeper.............8c 15c 60c

CALIFORNIA MAMMOTH WHITE. Very large, growing 12 inches long. Fine globe shape, flesh white......8c 15c 60c

ROUND BLACK SPANISH. Fine globe shape, 3 or 4 inches in diameter, skin black, flesh white...........8c 15c 60c

LONG BLACK SPANISH. Black skin; flesh white, long, will keep until spring..................8c 15c 60c

Icicle

FOR QUANTITY PRICE, SEE PAGES 24 and 25

COLLECTION NO. 3

7 BEST RADISHES, 45c; POSTPAID

This collection includes 1 packet each of the following best varieties: Early Bird, Early Scarlet Turnip, White Tip, Icicle, French Breakfast, Early Long Scarlet, Crimson Globe and Chinese Rose Winter, all for 45c; postpaid.
Squash

SUMMER AND EARLY SORTS

One ounce to 20 hills; 4 to 5 lbs. to the acre. Hills 4 feet apart each way. Ready for use in from 55 to 65 days from planting.

Any good, enriched soil is adapted to the growth of the Squash. The seed should not be sown in the spring until danger from the frost is past and the ground is warm and thoroughly settled. Keep the earth about the plants loose and clean. Three plants to the hill. For remedy against bugs, see insecticides, page 65.

FORDHOOK. Small, oblong, shell yellow flesh dry and sweet, and of good flavor. Very early; desirable for either summer or winter use. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

GOLDEN BUSH SCALLOP. A very early flat, scalloped variety; skin deep yellow; flesh pale yellow and well-flavored. Price, pkt., 8c; oz., 20c; 1 lb., 60c; postpaid.

SUMMER CROOK NECK. Very early and productive. Fruit about one foot long, with crooked neck and warty surface; color bright yellow. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

WHITE BUSH SCALLOPED. (Patty Pan.) Very early; skin white, flesh tender and delicate, bears abundantly. Price, pkt., 8c; oz., 20c; 1 lb., 60c; postpaid.

DELCICATA SQUASH. A perfect all-season Squash, summer and winter crop on one plant. Produces fifteen to twenty fruits to a vine. Delicious chestnut flavor. Delicata produces an enormous number of fruits of such convenient size that the entire squash can be used at one time. It is ready almost as soon as the early summer sorts, is better flavored, and remains in perfect condition as long as any keeping variety. Its flavor when cooked has been compared to the sweet potato, others liken it to roasted chestnuts, but all agree that it is delicious. The fruits are about 9 inches long, and when ripe are deep yellow, irregularly striped and mottled with a dark olive-green. The flesh is thick, fine texture and pale yellow in color. It is unexcelled for baking—the shape and size make it perfect for this purpose and none better for pies. When boiled it is dry, granular and mealy. Price, pkt., 8c; oz., 26c; 1 lb., 65c; postpaid.

FALL AND WINTER SORTS

From Planting to Maturity 100 to 125 Days

Gather before injured by the frost for winter use, care being taken not to break the stem from the squash, as the slightest injury will increase the liability to decay. One ounce to 20 hills; 3 to 5 lbs. to the acre. Hills 8 feet apart each way.

CHICAGO WARTED HUBBARD. Large size, dark green color, distinguished by a dense covering of warts (warts), a sure indication of splendid quality, thick flesh; good keeper. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

GOLDEN HUBBARD. Similar to the above, except that the skin is deep, orange yellow. Flesh fine grained and of exceptional flavor. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

MAMMOTH CHILI. Enormous size, round, flattened at ends, skin orange color and slightly ribbed. Flesh thick and deep yellow. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

PERFECT GEM. Nearly round; skin creamy white, flesh fine grained. Vine bears great number of small squashes. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

WINTER CROOK NECK. Fruit long and crook-necked, skin dark green mixed with yellow. A fine keeper. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

BOSTON MARROW. (Summer.) Large, oval form; skin bright orange, mottled with cream color; flesh rich salmon yellow, fine grained and good flavor, unequalled for pies. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

MARBLEHEAD. Resembling the Hubbard, but of a lighter color, and is remarkable for its sweetness, dryness and delicious flavor. Good keeper. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

SIBLEY. (Pike's Peak.) Pear-shaped with stem on large end, skin smooth, pale green; flesh thick, orange color; very dry, rich and delicate flavor. Price, pkt., 8c; oz., 20c; 1 lb., 50c; postpaid.

GRAND MARROW. The earliest by 10 days of the winter squashes. It is creamy orange in color; fine form, handsome appearance. Price, pkt., 8c; oz., 20c; 1 lb., 65c; postpaid.

Gosper County, Feb. 18, 1918.

Gentlemen:
I have been using your seeds for the past seven or eight years and must say they are the best yet, both flower and garden. I always have good luck with your seeds. The neighbors and everyone who sees my garden wonders why I can have such a beautiful one, but it is all due to your good seeds. I have joined my Griswold Seed Catalog to this letter that they may get the best of seeds.

Always your customer.

WILLIAM MYERS.
Salsify or Vegetable Oyster

One ounce to 75 feet of drill

Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in light, rich soil. Sow early and quite deep. The leaves when they first appear look like grass, making it specially important to plant in rows.

MAMMOTH SANDWICH ISLAND. Grows uniformly to an extra large size. The root is pure white and of superb quality. Valuable to market gardeners. Price, pkt., 5c; oz., 35c; 1 lb., $1.00; postpaid.

SWISS CHARD OR SEA KALE

For superior to the common beet for greens, of almost the same flavor and equal to spinach. It is much easier to wash and prepare for the table. Sown early in spring in rows; thin seedlings out to 6 inches in the rows; it makes rapid growth of leaves, and is fit for use for greens sooner than any other variety, and can be cut throughout the entire summer. Later the leaves grow very large with broad, flat, wax-like stems and mid ribs, which may be cooked like asparagus, or made into pickles. Price, pkt., 5c; oz., 20c; 1 lb., 75c; postpaid.

SPINACH

One ounce to 100 feet of drill; 12 lbs. to the acre.

Cultivated very extensively for "greens". A profitable crop for market. Select a rich, well-drained soil, highly manured. For a succession, sow early in April and again in May in drills, one foot apart and one inch deep, properly thinning out when the plants are an inch in the leaf. For early spring sowing, sow early in autumn and protect the plants with a light covering of leaves or straw.

BLOOMSDALE (Saver). The earliest of all and one of the best; the leaves are numerous, curled and wrinkled. Price, pkt., 5c; oz., 20c; 1 lb., 35c; postpaid.

LONG-STANDING (Thick Leaved). A fine market sort. Leaves large and thick, somewhat crumpled. Does not run to seed early. Price, pkt., 5c; oz., 20c; 1 lb., 35c; postpaid.

NEW ZEALAND. Entirely different from true spinach in type, in that it thrives during hot weather and in any soil, rich or poor. The tender shoots with golden yellow leaves are of good quality and may be cut throughout the summer. This is something new, but extra good. Plant three or four seeds in hills two feet apart each way. Price, pkt., 5c; oz., 20c; 1 lb., 60c; postpaid.

PEPPERS

One ounce to 2,000 plants. Requires from 125 to 160 days from sowing to maturity.

The small peppers are the hottest, the large varieties being quite mild in flavor. Sow in hotbed early in April and transplant to the open ground when weather is favorable. May also be sown in the open ground when danger of frost is past and soil is warm.

LARGE BELL or BULL NOSE. Large and early square shouldered, flesh thick, and less pungent than most other sorts; much used for mangoes. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

SWEET MOUNTAIN. Similar to Bull Nose, though usually larger in size and longer; of very mild flavor. Much used for mangoes. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

RED CHILI. Fruit is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

GOLDEN DAWN. Golden yellow; mild and sweet. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

RUBY KING. The most popular large red pepper. Plants grow 2 feet high and bear a fine crop of handsome extra large, scarlet fruits. Flesh is thick, sweet and mild. Fine for mangoes. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

CHINESE GIANT. This desirable variety, of recent introduction is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

LONG RED CAYENNE. If you want a genuine hot pepper, the kind to use is the long red Cayenne. This is the real red-hot kind. Grows 3 to 4 inches. Price, pkt., 5c; oz., $1.00; 1 lb., $2.50; postpaid.

TOBACCO

1 ounce will sow about 25 square feet and produce plants for 1 acre.

CONNECTICUT SEED LEAF. An old, well-known variety. Price, pkt., 5c; oz., 20c; 1 lb., $1.00; postpaid.

HAVANNA. Best for the manufacture of cigars. Price, pkt., 5c; oz., 20c; 1 lb., $1.00; postpaid.

For Quantity Prices on all seeds on this page, see pages 24 and 25.
Chalk's Early Jewel. The largest, smoothest, and finest flavored, early bright red tomato; so hardy that a very early planting can be made in the open ground. Price, pkt., 8c; oz., 35c; 1 lb., $1.50; postpaid.

EarlANA. It is a full week ahead of all others. Plants of strong growth and very productive. Fruits large, deep red and of superior quality. Smooth and free from cracks. Price, pkt., 8c; oz., 35c; 1 lb., $1.10; postpaid.

Quarter Century. Very early. Like the Dwarf Champion only bright red. Price, pkt., 8c; oz., 35c; 1 lb., $1.10; postpaid.

June Pink. An extra early purple-fruited tomato similar to the popular-scarlet-fruited Earlana in growth of vine, shape and size of fruit and time of maturing. Price, pkt., 8c; oz., 35c; 1 lb., $1.15; postpaid.

Livingston's New Globe. Beautiful globe shape, permitting greater number of slices than with flatter sorts. Price, pkt., 8c; oz., 35c; 1 lb., $1.25; postpaid.

John Baer. The best tomato on earth. See back cover and page 2 for extended description. Price, pkt., 15c; oz., 65c; 1 lb., $2.00.

Dwarf Stone (Livingston's). Very early and productive; in size, color and quality of fruit equals the Stone; in habit of vine resembles Dwarf Champion, but is stronger and more erect, admitting very close planting. Price, pkt., 8c; oz., 35c; 1 lb., $1.50; postpaid.

Golden Ponderosa. See back cover and page 2 for full description. Price, pkt., 20c; oz., 65c; 1 lb., $2.00; postpaid.

Colossal. The Colossal Tomato is not only a large tomato, but is simply colossal in size. It is the largest tomato in cultivation. Price, pkt., 8c; oz., 35c; 1 lb., $1.25; postpaid.

Livingston's Coreless. A new, large main-crop variety. In shape it is almost round, having about the same diameter each way. It has no green core, and is of a bright red color, making it valuable either for slicing or for canning. Price, pkt., 8c; oz., 35c; 1 lb., $1.50; postpaid.

Other Standard Varieties

These need no extended description.

All Postpaid.

Pkt. Oz. 1 lb.

Acme. Bright pink, smooth, very productive thick flesh. 8c $0.30 $0.90

Beeukt. Large, smooth purplish pink, thick flesh. 8c $0.30 $0.90

Enormous. Deep red, smooth, very large. 8c $0.50 $1.25

Favorite. Large, smooth, productive, good shipper. 8c $0.55 $1.00

Dwarf Champion (Tree Tomato) Extra early. 8c $0.50 $1.25

Trophy. Large bright red, solid tomato. 8c $0.30 $1.00

Stone. Large bright scarlet, good shipper. 8c $0.30 $1.00

Small Tomatoes

Used for preserves, pickles, etc.

Pkt. Oz.

Yellow Pear. Bright yellow, fine flavor. 8c 40c

Red Pear. Fruit bright red. 8c 40c

Yellow Plum. Clear deep yellow. 8c 40c

Red Cherry. Bright red, grows in clusters. 8c 40c

Yellow Cherrr. Deep yellow, a favorite for preserving. 8c 40c

Peach. Skin covered with slight bloom as in a peach. 8c 40c

Husk (Ground Cherry). Golden yellow. 8c 40c

Mature in from 90 to 150 days from planting. 1 ounce to 2,000 plants, 1 lb. (transplanted) per acre.

For early plants, sow seed in boxes or hotbeds in March. When the plants are about two inches high, transplant to four inches each way. Set out doors as soon as danger from frost is over. Transplant carefully four plants apart in each way, and cultivate well as long as the vines will permit. To obtain early fruit, pinch off the ends of the branches when the first fruit is set.

Ponderosa. This is the largest fruited tomato, and is of a fine quality for slicing. The vines are of strong growth; fruits oblong in form, deep through and generally ridged or ribbed; deep purple in color. They are solidly fleshed with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain weight of 1 lb. or more. Price, pkt., 8c; oz., 40c; 1 lb., $1.50; postpaid.

Dwarf Ponderosa. An improvement over the old Giant Ponderosa. As its name implies it is not quite so large but otherwise the fruit is very similar. The vines grow in bush or tree form, similar to the Dwarf Champion. It has proven a great success wherever grown. Price, pkt., 10c; oz., 35c; oz., 75c.

Benkleman Nebr., Mar. 5, 1917

Gentlemen:

I sent you for Asparagus Roots and John Baer tomato seeds two years ago and used quite a bit of my Asparagus last year and expect it to be fine this year. The plants arrived in splendid condition and all grew except one. My John Baer Tomatoes were simply grand in 1915, from the one packet of seed I raised 10 bushels of tomatoes in my yard back of the house on much less than one-half a lot of ground. This year they were fine but were planted later so I did not get as many ripe tomatoes but the green ones were grand and sold at $1.00 per bushel. I never will raise any other kind.

Yours very truly,

MRS. GEO. THOMPSON.
The turnip is most easily affected in form and flavor, by soil, climate and mode of culture. Sow in drills about 16 inches apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly dug. Sow for main crop from the middle of July to last of August. In the field, turnips are generally sown broadcast, though much larger crops are obtained by drill culture.

**EARLY WHITE FLAT DUTCH STRAP LEAVED.** The most excellent garden turnip and, like Purple Top Strap Leaf, a standard flat variety, maturing at the same time. Price, pkt., 8c; oz., 15c; $1 lb., 45c; postpaid.

**SNOWBALL or WHITE SIX WEEKS.** Earliest and most perfectly formed round white turnip. Roots are very uniform in size and shape, short top and single taproot. Flesh snowy white, solid, crisp and very sweet. Price, pkt., 8c; oz., 20c; $1 lb., 60c; postpaid.

**WHITE EGG.** An egg shaped variety, for spring or fall sowing; flesh white, firm, fine grained; mild and sweet; particularly desirable for table. Price, pkt., 8c; oz., 20c; $1 lb., 60c; postpaid.

**COW HORN.** A white turnip of peculiar long shape and quick maturity. It grows to a large size, standing half out of the ground. Price, pkt., 8c; oz., 20c; $1 lb., 60c; postpaid.

**POMERANIAN WHITE GLOBE.** Very productive; in good soil roots grow from 10 to 12 pounds; good for the table or stock. Price, pkt., 8c; oz., 20c; $1 lb., 60c; postpaid.

**PURPLE TOP STRAP LEAF FLAT.** The old well-known sort of early spring and fall; purple above ground, flesh fine grained, of mild flavor; and a good keeper. Price, pkt., 8c; oz., 15c; $1 lb., 45c; postpaid.

**EARLY PURPLE TOP GLOBE.** Deservedly popular, heavy produced, of rapid growth and superior quality. Price, pkt., 8c; oz., 15c; $1 lb., 45c; postpaid.

**EXTRA EARLY PURPLE TOP MILAN.** Two weeks earlier than any other. Flat; white, with purple top. Price, pkt., 8c; oz., 25c; $1 lb., 75c; postpaid.

**EXTRA EARLY WHITE MILAN.** The earliest of all turnips, and of excellent quality. Top is very small, upright and compact, so the rows can be planted close together. The roots are clear white, very smooth, flat and symmetrical. Price, pkt., 8c; oz., 25c; $1 lb., 75c; postpaid.

**GOLDEN BALL.** A most delicate and sweet, yellow-fleshed turnip of excellent flavor. Price, pkt., 8c; oz., 15c; $1 lb., 50c; postpaid.

**LARGE YELLOW.** (Amber Globe). Flesh yellow, fine grained and sweet, very hardy and productive; splendid keeper. Price, pkt., 8c; oz., 15c; $1 lb., 50c; postpaid.

**Ruta Bagas**

Should be sown about a month earlier than turnips. This is one of the best and most valuable of root crops. They may be very easily grown and more cheaply than potatoes, and usually are worth as much per bushel on the market.

**AMERICAN PURPLE TOP.** Tops very small; bulbs large; skin purple above, yellow underneath; flesh golden yellow; fine texture, sweet and of richest flavor. Price, pkt., 8c; oz., 15c; $1 lb., 50c; postpaid.

**Rhubarb**

*One ounce to 500 plants*

Rhubarb is an excellent spring food, possessing medicinal properties. It is the first vegetable of the season from the garden, and no planter should be without it.

**VICTORIA.** Stalks very tall and large; skin thick and red-stained; pulp quite acid; very productive. Price, pkt., 8c; oz., 20c; $1 lb., 60c; postpaid.

**SWEET GEOMAN (Long White French).** Bulb enormous. Flesh white, solid and rich. The best keeper of all the Rutabagas, and popular for both table and stock. Price, pkt., 8c; oz., 15c; $1 lb., 50c; postpaid.

**LINNAEUS.** A large and tender sort, sometimes called wine plant. Price, pkt., 8c; oz., 20c; $1 lb., 60c; postpaid.

**RHUBARB ROOTS.** Set in spring and they will be ready for use in the following season. $1 each; postpaid. By express, 75c per doz.

**GARDEN COLLECTIONS, SEE PAGES 2 and 23**

For Quantity Prices on all seeds on this page see Pages 24 and 25.
Griswold’s Home Garden Vegetable
Collection No. 4

45 LARGE 8 CENT PACKAGES FOR $2.50; POSTPAID
JUST ENOUGH FOR YOUR GARDEN

It often happens that in looking through a catalog you cannot tell just what varieties and quantities of seed you need for your garden to furnish enough vegetables for a medium sized family throughout the season. This collection is made up of just the varieties you need.

BEANS—
2 pkts. Wardwell’s Kidney Wax
2 pkts. Burpee’s New Stringless
2 pkts. Early Golden Cluster Wax

BEET—
1 pkt. Early Model

CABBAGE—
1 pkt. Early Jersey Wakefield
1 pkt. Premium Late Flat Dutch

CARROTS—
1 pkt. Ox Heart

CAULIFLOWER—
1 pkt. Early Snowball

SWEET CORN—
1 pkt. Golden Bantum
1 pkt. Early Minnesota
1 pkt. Stowell’s Evergreen

CUCUMBERS—
1 pkt. Long Green

ENDIVE—
1 pkt. White Curled

KOHL RABI—
1 pkt. Early Purple

LETTUCE—
1 pkt. Simpson’s Early Curled
1 pkt. Early Prize Head

PARSNIPS—
1 pkt. Hollow Crown

PARSLEY—
1 pkt. Champion Moss Curled

PEPPER—
1 pkt. Sweet Mountain

PUMPKIN—
1 pkt. Small Yellow Sugar

MUSTARD—
1 pkt. White

MUSK MELON—
1 pkt. Rocky Ford

WATERMELON—
1 pkt. Tom Watson

ONION—
1 pkt. Large Red Weathersfield

PACKAGES POSTPAID

Above List Regularly Sells for $3.00; You Get it for $2.80; Postpaid

Griswold’s Flower Garden
 COLLECTION NO. 5
Fifteen Large 8-cent Packages for 95c; Postpaid

It is difficult to select Flower Seeds which give the best and most pleasing effects unless one is familiar with their habits of growth, etc. The collection we offer below is made up of the best and most popular varieties known.

1 pkt. Alyssum (Little Gem)
1 pkt. Cosmos
1 pkt. Pansy
1 pkt. Sweet Peas
1 pkt. Primrose

1 pkt. Asters, Giant Comet
1 pkt. Four O’clock
1 pkt. Peony
1 pkt. Verbena

1 pkt. Balsam (Lady Slipper)
1 pkt. Gallardia
1 pkt. Petunia
1 pkt. Zinnia

1 pkt. Bachelor’s Button
1 pkt. Nasturtium
1 pkt. Portulaca
1 pkt. Salvia

NOTE—PLEASE ORDER COLLECTION BY NUMBER.

Free! 40c Coupon 40c Free!

WE WANT TO BECOME BETTER ACQUAINTED WITH THE SEED BUYER THROUGHOUT THE COUNTRY. OF COURSE, THERE ARE SOME WHO DO NOT KNOW OF US OR AT LEAST DO NOT GET OUR CATALOG AND THESE WE WANT TO BECOME BETTER ACQUAINTED WITH. IT IS EXPENSIVE TO ADVERTISE, NO MATTER HOW IT IS DONE, AND YOU MIGHT AS WELL RECEIVE THE BENEFIT OF THIS COST TO US, AND SO IF YOU WILL FILL IN THE LINES BELOW WITH THE NAMES AND ADDRESSES OF FIVE FRIENDS WHO YOU THINK ARE INTERESTED IN GOOD SEEDS AND WOULD LIKE OUR CATALOG BUT DO NOT GET IT, WE WILL GIVE YOU FIVE OF ANY OF THE 8 PACKAGES OF GARDEN OR FLOWER SEED LISTED IN OUR CATALOG, YOUR SELECTION, ABSOLUTELY FREE POSTPAID, IF SENT IN WITH AN ORDER AMOUNTING TO $1.00.

Name ................................................................. Town ........................................ State ........................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

After filling in the above lines, write your name and address here:

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

Cut out and return to us:

NOTICE—Before sending your order, look over the index as you will, no doubt, find something else you want. When sending your seed order include a few plants, poultry and bee supplies, insecticides, etc. Thus you will save time and express charges.
<table>
<thead>
<tr>
<th>Price List</th>
<th>GARDEN SEED NOT POSTPAID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>APRASAGUS</strong></td>
<td><strong>UNIVERSAL FOOD ADMINISTRATION</strong></td>
</tr>
<tr>
<td></td>
<td>License Number G-18171</td>
</tr>
<tr>
<td>On this page you will find prices of all the different kinds of Garden Seeds displayed in our catalog. These prices are not postpaid. You can order them sent by express or freight, and if you wish them sent by parcel post your Postmaster can tell you the amount of postage required if you will give him the number of pounds in your order, then you can remit the postage along with your remittance for the order and we will send it by parcel post. At the bottom of page 23 you will find a condensed parcel post table. By it you can tell about what the postage will be on any given weight.</td>
<td></td>
</tr>
<tr>
<td><strong>ASPARAGUS</strong></td>
<td>Giann Golden Heart</td>
</tr>
<tr>
<td>All varieties Asparagus</td>
<td>Giant Paca</td>
</tr>
<tr>
<td>Asparagus Roots</td>
<td>Golden Self-Blanching</td>
</tr>
<tr>
<td><strong>BEANS</strong></td>
<td>White Plume</td>
</tr>
<tr>
<td><strong>CORN—SWEET</strong></td>
<td><strong>CHESS OR PEPPER GRASS</strong></td>
</tr>
<tr>
<td>1 oz.</td>
<td>2 oz.</td>
</tr>
<tr>
<td><strong>DWARF WASP</strong></td>
<td>Extra Curled</td>
</tr>
<tr>
<td></td>
<td>Water</td>
</tr>
<tr>
<td><strong>CUCUMBERS</strong></td>
<td><strong>CAULIFLOWER</strong></td>
</tr>
<tr>
<td>Boston Picklink (Green Prolific)</td>
<td>.10</td>
</tr>
<tr>
<td>Early Cluster</td>
<td>.10</td>
</tr>
<tr>
<td>Hailset New Perfect</td>
<td>.10</td>
</tr>
<tr>
<td>Early Frame (Short Green)</td>
<td>.10</td>
</tr>
<tr>
<td>Overbearing</td>
<td>.10</td>
</tr>
<tr>
<td>Improved Early White</td>
<td>.10</td>
</tr>
<tr>
<td>Improved Jersey Pickling</td>
<td>.10</td>
</tr>
<tr>
<td>Improved Long Green</td>
<td>.15</td>
</tr>
<tr>
<td>Japanese Climbing</td>
<td>.15</td>
</tr>
<tr>
<td><strong>Egg Plant</strong></td>
<td><strong>MINT</strong></td>
</tr>
<tr>
<td>Improved New York Purple</td>
<td>.00</td>
</tr>
<tr>
<td>Bling Beauty</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>KALE</strong></td>
<td><strong>MUSKMELON</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CHIVES</strong></td>
<td>Green Fleshep</td>
</tr>
<tr>
<td>Packet</td>
<td><strong>LEEK</strong></td>
</tr>
<tr>
<td></td>
<td>10c</td>
</tr>
<tr>
<td><strong>CHESS OR PEPPER GRASS</strong></td>
<td></td>
</tr>
<tr>
<td>oz.</td>
<td>2 oz.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CABBAGE</strong></td>
<td><strong>Rocky Ford</strong></td>
</tr>
<tr>
<td>Extra Early Sorts</td>
<td>Green Nutmeg</td>
</tr>
<tr>
<td>Copenhagen Market</td>
<td>Extra Early Hackensack</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Mushroom Spawn

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese</td>
<td>$0.15</td>
</tr>
<tr>
<td>Mammoth Southern Curled</td>
<td>$1.00</td>
</tr>
<tr>
<td>White</td>
<td>$1.30</td>
</tr>
</tbody>
</table>

**All Varieties**

|           | $1.00     |

**OKRA or GUMBO**

|           | $1.00     |

## Onions

**Onion Sets**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Bottom (bu. 32 lbs.)</td>
<td>$0.20</td>
</tr>
<tr>
<td>White Bottom (bu. 32 lbs.)</td>
<td>$0.25</td>
</tr>
<tr>
<td>Winter Top (bu. 28 lbs.)</td>
<td>$0.25</td>
</tr>
</tbody>
</table>

**Parsley**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.15</td>
</tr>
</tbody>
</table>

**Parsnips**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.15</td>
</tr>
</tbody>
</table>

**Peas**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.20</td>
</tr>
</tbody>
</table>

**Peppers**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.10</td>
</tr>
</tbody>
</table>

**Pumpkins**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.15</td>
</tr>
</tbody>
</table>

## Tomatoes

**Tobacco**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.30</td>
</tr>
</tbody>
</table>

## Sweet Potatoes

**All Small Tomatoes**

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.35</td>
</tr>
</tbody>
</table>

## Turnips

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.25</td>
</tr>
</tbody>
</table>

## Salsify or Vegetable Oyster

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammoth Sand Island</td>
<td>$0.35</td>
</tr>
</tbody>
</table>

## Spinach

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.15</td>
</tr>
</tbody>
</table>

## Squash

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.20</td>
</tr>
</tbody>
</table>

## Domestic Parcel Post Rates

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

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$0.15</td>
</tr>
</tbody>
</table>

In Making Your Order, Please Give the Price, to Avoid Delay and Errors
SEED POTATOES

FOR SPRAYERS AND INSECTICIDES

See page 65
One peck will plant about 100 hills, 8 or 12 bushels required to the acre.

With no other seed is the importance of change more essential than with potatoes, and by using our Northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Nebraska and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas nad are of superior quality. Order early as possible and we will ship as soon as weather permits.

EARLY SIX WEEKS. Another potato of the Ohio type in great demand. Not the heaviest yielder, but good sized, smooth, round to oblong tubers in eating condition before the well-known Early Ohios.

RED TRIUMPH. Earlier than any other, desirable for the first "new" potatoes. Tubers nearly round, medium in size, reddish pink in color.

RED RIVER EARLY OHIO. This is the most popular early potato in this country. We have more calls for it the many other early variety. Every potato grower knows what it is and knows just what it will do in his locality. It is the standard extra early the world over and other varieties are measured by it.

CARMAN NO. 2. This potato is of large and uniform size, yielding immense crops. It is of perfect form. It has but a few eyes, and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific.

RURAL NEW YORKER. It is very large, unusually smooth, with few and shallow eyes; form slightly oblong, and rather flattened. Skin and flesh white, quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. It holds a leading place as a standard field cropper.

IRISH COBBLER. It is an excellent extra variety, maturing good sized tubers seven weeks from time of plating; producing very few, if any, small potatoes; all tubers being of marketable size.

PRICES OF POTATOES LISTED ABOVE
Six weeks. Triumph and Irish Cobbler by mail 1 lb., 20c; 5 lbs., 85c; postpaid. By express or freight your expense, 100 lbs., $1.00. Sack containing 165 lbs., $6.00. Early Ohio, Carmon and Rural New Yorker, by mail, 1 lb., 15c; 5 lbs., 65c; postpaid. Express or freight 100 lbs., $3.50. sack containing 165 lbs., $5.50.

Prices on all potatoes subject to market changes. Write for special prices on quantities.

TO KILL POTATO BUGS USE
"BUG DEATH"
WITH AN ACRE
AN HOUR SIFTER.

Tubular Hand Potato Planter. Price, $1.50 by express.

Acme Hand Potato Planter. Price, $1.00 by express.

SWEET POTATOES

One bushel of potatoes should produce 2,000 sprouts, 6,000 to 7,000 plants to the acre.

YELLOW JERSEY, YELLOW NANSEMOND. These are the most desirable varieties. Ready about April 1. Write for prices.

SWEET POTATO PLANTS. Ready about May 1. For prices, see page 2.

REMEMBER: Small Orders Receive the Same Attention as Large Ones.

HYBRIDIZED POTATO SEED FROM THE SEED BALLS—HEADQUARTERS STOCK.
Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. Your fortune may be in one of them. They are as easy to grow as tomatoes.

PHOTO OF POTATO SEED BALLS—ONE-HALF NATURAL SIZE.
It is from these that ALL valuable new varieties of Potatoes are produced.
Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes, and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener, and bright boy should plant a few packets. You may be one of the lucky ones. Full directions on every packet.

READ THESE EXTRACTS FROM CUSTOMERS LETTERS:
"I grew 101 Potatoes from one plant of your Potato Seed. Every plant was a different variety."—Mrs. Ellen Keener.
"I raised 50 hills from one Packet; many kinds and colors; some early, some late. 94 Potatoes on one hill."—J. H. Skinner.
"Your remarkable Potato Seed produced white, pink, red, purple, blue, cream, russet, and black potatoes."—W. M. Johnson.
"Your Potato Seed is a wonder. I grew 115 different varieties from one Packet—the finest I ever saw."—C. E. Flint.
"I grew 65 pounds of Seedling Potatoes from one Packet I expect wonders from them next year."—Thomas Lucas.
Packet 15 cts. 2 for 25c. 5 for 50c. 10 for $1.
Mangels for Stock Feeding

140 to 150 days required from sowing to maturity. One ounce will sow 100 ft. drill, 6 pounds per acre.

When the fact is considered that 50 tons of Mangel Wurzel may be grown on a single acre, at a small outlay, the wonder is that every farmer does not profit by it.

**Danish Sludstrup.** Long, reddish-yellow, grows well above the ground and easy to pull.

**Dark Red Giant Eckendorf.** Is of cylindrical form and grows mostly above the surface and, like the Sludstrup, is very easy to pull.

**Giant Half Sugar Mangels.** The roots of this new mangel are more valuable, pound for pound, than those of the best strain of sugar beet supplying food of very much higher nutritive value and not only are they of better quality but they yield more than twice as much.

**Golden Tankard.** A superior strain of golden fleshed mangel; root half long and very large. It is particularly rich in milk-producing qualities. Is very easily pulled exceedingly hardy.

**Mammoth Long Red (Dignity).** This is truly a mammoth, a single root often weighing 30 pounds. Enormously productive, smooth and regular in shape, with a small top. They grow half above the ground, and are easily harvested.

**Lane's Imperial Sugar.** This beet grows to a large size, will yield almost as much in bulk as the best mangels, and contains a large percentage of sugar.

**Klein's Wanzleben Sugar Beet.** This is the genuine Sugar Beet. The variety used exclusively by beet sugar factories. Owing to the great amount of sacherine matter it is a great stock fattener. Price, pkt., 8c; oz., 15c; 1 lb., 25c; lb., $1.25; postpaid.

**Price on All Above Mangels and Sugar Beets Except Klein's Wanzleben:** Oz., 10c; 1 lb., 35c; lb., $1.00; postpaid. By freight or express, 5 lbs., $4.50; 10 lbs., $8.50.

The simplest method of keeping root crops in good condition for winter use—store in cool cellar in boxes, etc., and cover with dry sand or fine soil, thus excluding the air. They will keep as solid as when freshly dug, and are ready for use at any time.

**Market Garden Prices on Seeds See Pages 24 and 25**
This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. It is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the rape grows rapidly If the soil is rich and clean, sow broadcast if not so clean, sow in drills and cultivate as for corn. When sow broadcast use 5 lbs and if in drills 2 lbs. to the acre. True Dwarf Essex Rape, our own importation. Prices, Genuine Imported. Dwarf Essex Rape, per lb., 50c; postpaid. By freight, per lb., 30c. Write for quantity prices.

**COW PEAS**

Highly recommended to plant with oats or kafir corn. Increasing the fertility of the soil for the succeeding crop and leaving the ground mellow and clean from weeds. Do not plant until the weather has become warm; sow 2 bushels if alone and 1 bushel if with other seeds.

**WHIPPORWILL.** Early bunch-growing variety. Price, per lb., 20c; postpaid. By freight, 10c per lb. Write for quantity prices.

**NEW ERA.** An early variety. Maturing seed in from 80 to 100 days. Probably the best sort for North and West. Can be sown after wheat is taken off the ground and still produce a good crop of forage or peas. Prices, by mail, 20c lb.; postpaid. By freight, 10c per lb. Write for quantity prices.

**FIELD PEAS**

**CANADA FIELD PEAS (50 lbs. to bushel.)** With oats 11 bu. per acre, 2 bu. per acre if alone. Very valuable for cattle feeding. Excellent for horses and pigs when sown with oats. Farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of Northern grown fancy seed. Sow broadcast and harrow in. Price, 25c lb.; postpaid. By freight, 15c per lb. Write for quantity prices.

**VETCHES**

**WINTER VETCH.** (Vicia Villosa). The Winter Cover Crop. Also called Sand or Hairy Vetch. Is a hardy legume sown in Northern States in the fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time a nitrogengatherer. It enriches the soil. Vetch also furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For the hay use 1 bu. Price, per lb., 40c; postpaid. By freight, per lb., 30c. Write for quantity prices.

**SPRING VETCH or TARES (Vicia Sativa).—Oregon Vetch.** Sown broadcast at rate of 1 to 1½ bushels to acre like wheat or barley and sometimes mixed with oats, for sowing. Valuable for orchard. Used in France and Canada as a substitute for peas, Culture same as field peas. Price, per lb., 30c; postpaid. By freight, per lb., 20c. Write for quantity prices.

**SOJA OR SOY BEANS**

A valuable legume somewhat on the order of cow peas is coming more and more into use. We call special attention to our Northern grown seed which we offer this year. It is excellent, postpaid. By freight, 15c per lb. Write for quantity prices.

**HOG PASTURE MIXTURES**

**MIXTURE FOR PERMANENT HOG PASTURE.** This will be considered very heavy seeding and expensive, but if you have a hog pasture for keeps, you cannot afford to skimp on seed or limit the varieties. Alfalfa Mammoth Clover, Red Clover, Alsike Clover, White Clover, Timothy, Blue Grass, Orchard Grass, Meadow Fescue. 25 lbs. per acre, $6.00; $100 lbs., $35.00. Write for prices in larger lots.

**GRISWOLD'S READY QUICK**

Good for one season only

Our annual "Ready Quick" Hog Pasture Mixture is good for one season only. It is especially good for hogs but equally desirable for cattle, sheep, calves and cows. It contains 14 different grains and forage plant seeds, practically all of which grow again if fed down.

Griswold's "Ready Quick" Hog Pasture Mixture can be sown early and be ready to pasture in 6 or 8 weeks and should be in the finest kind of condition in July or August, just when your other pastures are dried up. It can also be sown in July or August and used as a Fall Pasture.

We recommend sowing 50 lbs. to the acre, and if your ground is very rich and strong we would say sow 75 to 100 lbs. and by all means keep it fed down, as the stock eat it better when it is young and tender. Be sure and give this valuable Mixture at least a small trial, as you cannot possibly make any mistake by sowing it.

Price, 50 lb. (for 1 acre), $3.35; 100 lbs., $6.25; 500 lb., lots or over, $6.00 per 100 lbs. In less than 50 lb. lots, 5c per lb., or 15c per lb.; postpaid.

**PRICES OF FIELD SEEDS SUBJECT TO MARKET CHANGES**

**GARDEN TOOLS AND IMPLEMENTS LISTED ON PAGES 74, 75 and 76**
Alfalfa is comparatively a new plant in America, but it is as old as the hills in many parts of the world. It was first introduced into this country by the Spaniards to California about 1556. At first it was slow in becoming disseminated among the farmers and ranchmen, but step by step it has made its way eastward until now it has become extended all over the Pacific states and east to the Atlantic. Alfalfa is grown in about every state in the Union and "has made good everywhere." 

SUITABLE SOIL. Alfalfa makes a strong and rapid growth on well drained, rather heavy land, which is supplied with some lime, and where the subsoil, while not necessarily sand or gravel, is porous. On sand soil the growth is vigorous, when moisture is abundant, but during drought it will suffer unless the roots reach water at a depth of two feet. The land should slope some, as alfalfa will not stand surface water.

SEED BED. The land must be free from weeds and the ground must be thoroughly pulverized and well packed. Alfalfa will frequently fail if seeded on freshly plowed ground. If it is necessary to plow the ground before seeding, do it early, harrowing thoroughly and saw after a good rain has settled it.

SPRING SEEDING. Sow seeds broadcast or with drill from March to June 15, at the rate of 20 pounds to the acre.

EARLY SEEDING. Disk out and wheat land as soon as the crop is cut, and then harrow or disk every 10 days until a suitable time for sowing before the 15th day of September, when you can sow as above. Cut for hay the next fall. This is the best time to sow for all except Northern states, if you are sure of getting full rains.

TURKESTAN. This is the same variety as the common alfalfa, but has been grown for years in the mountains of Turkistan, Asia, in a region where there is very small rainfall and with hot, dry summers, and dry, cold winters. A plant developed under such conditions could not be otherwise than hardy and strongly drought-resistant and such has proved to be the case.

ASK FOR ALFALFA BOOKLET FREE. TELLS ALL ABOUT ALFALFA.

NEBRASKA GROWN SEED. We are right in the center of the largest Alfalfa seed growing district in the United States. Nebraska grown Alfalfa seed has gained for itself a reputation of which we are proud. If you live east of the Missouri River we would advise you to inoculate your Alfalfa seed with bacteria before sowing, in the west where there is more sunshine it is not so necessary.

<table>
<thead>
<tr>
<th>ALFALFA SELLING PRICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa Lincoln brand 99.75% pure... $28.50 cwt.</td>
</tr>
<tr>
<td>Alfalfa Turkestan... $23.50 cwt.</td>
</tr>
<tr>
<td>Alfalfa fancy... $12.50 cwt.</td>
</tr>
<tr>
<td>Write for quantity prices.</td>
</tr>
</tbody>
</table>

SWEET CLOVER. (Alfalfa's twin sister.) Many farmers claim that the forage from this plant is just as good as Alfalfa and just as readily eaten by the stock after they have become accustomed to it.

GOOD AS ALFALFA

Many farmers claim that the forage from this plant is just as good as Alfalfa and just as readily eaten by the stock after they have become accustomed to it.

TIME TO CUT

If cut for hay it should be cut when about two feet high and before the stem is woody. If cut just before the seed is matured, two years in succession, the plant dies out entirely.

Price, hulled seed, per lb., 35c.; postpaid. By freight, 5 lbs., $1.50; 10 lbs., $2.75. Write us for quantity prices.

When you are ready to buy ask us for prices and give the amount of seed you will need. We have cheaper grades than listed above and they will give good satisfaction. Get our prices and samples.

ALL FIELD SEEDS SUBJECT TO MARKET CHANGES
GRISWOLD'S LINCOLN BRAND Inoculating Bacteria

Hastens Maturity
Increases the Yield
Builds up the Land
Enriches the Soil
Improves the Feeding Value

EASY TO APPLY—Simply Moisten the Seed Before Sowing

Full Directions in Every Package

ROOT OF ALFALFA

PREPARED FOR

ALFALFA SWEET CLOVER
SOY BEANS RED CLOVER
COW PEAS ALSIKE CLOVER
FIELD BEANS CRIMSON CLOVER
NAVY BEANS VETCH
CANADA PEAS SWEET PEAS
GARDEN BEANS GARDEN PEAS
AND ALL OTHER LEGUMES

PRICES

Garden Size..............................................$0.45
1 Acre Size.............................................75
2 Acre Size............................................1.40
4 Acre Size............................................2.25
6 Acre Size............................................3.00
Add 5c per bottle for postage.

NOT INOCULATED

When ordering, state crop to be inoculated—there is a different bacteria for each legume.

LEGUMES CANNOT ENRICH THE SOIL UNLESS BACTERIA DEVELOP THE NODULES

"The peculiar value of legumes for maintaining and increasing the fertility of soils is due to certain bacteria which develop nodules upon the roots of leguminous plants and which have the unique power of rendering the free nitrogen of the atmosphere available for plant growth. Without these bacteria, legumes, like other crops, exhaust the soil of its combined nitrogen."—Ext. Farmer's Bulletin No. 315.

Inoculated legumes, alfalfa, clover, peas or beans, will draw from the air 150 pounds per acre of free nitrogen, adding it to the soil for the benefit of future generations of crops. This is nearly as much nitrogen as is contained in 1000 pounds of Nitrate of Soda, worth today $100.00 per ton.

Raise legumes—grow alfalfa, clovers, soys, vetch, peas—they are valuable feed crops—but give them the utmost chance. INOCULATE them and they will draw from the air the free nitrogen, giving the plants a tremendous growth, vigor and vitality, increasing both the yield and the quality. They will not only supply themselves with nitrogen, but will draw far more than the present crop can use, storing the balance in the nodules, and from thence, as they decay, into the soil, where the future crops can get it, all of it.

Will your land now grow alfalfa, clover, soys? If it does, it will grow larger and better crops by inoculation. If you can't grow these crops successfully, try inoculation. It is probably just what you need to secure success.

Seed, labor, land—all cost money. Get the utmost out of them. A few dollars spent for inoculation will come back to you many fold.

INCREASE YOUR CROPS—THE WORLD NEEDS THE FOOD
INOCULATE—TAKE NO CHANCES OF FAILURE—INOCULATE
Our Clover Seeds are of the Highest Quality and Thoroughly Cleaned and Tested

CLOVERS

60 lbs. to Bushel. Sow 20 lbs. to Acre

FOR SCARIFIED CLOVER SEED ADD $1.00 PER BUSHEL TO

PRICES BELOW

Every farmer should have some land sown to clover. It is of the greatest value for plowing under for supplying humus and nitrogen, greatly enriching the soil and increasing the following crop yield from 20 to 40%. MEDIUM RED. (Common, or June Clover.) This is by far the most important of all the varieties for hay or pasture. Sow in Spring or Fall, and if no other grasses are used, at the rate of 8 to 12 pounds per acre. This clover is a biennial, and at best only lasts three years unless it is allowed to seed itself which should be done every two years. Fancy per lb., 60c; postpaid. By freight, per lb., 50c. Write us for quantity prices.

MAMMOTH RED. ( Saplin, or Vine Clover.) Quite distinct from Common Red Clover. It lasts longer and is two or three weeks later than the Common Red Clover, grows from 3 to 5 feet high and yields an enormous amount to the acre, especially valuable for hog feed and for plowing under green on worn out lands. Sow 12 lbs. to acre. Price, per lb., 60c; postpaid. By freight, per lb., 50c. Write us for quantity prices.

ALSIKE (Swedish Clover.) One of the hardest of all clovers. This clover is very nutritious, yields abundantly and can be cut several times during the season. It is good for pasture, green fodder or hay. The roots do not heave like those of Red Clover and for this reason it is especially

WHITE DUTCH CLOVER. Best adapted to moist soils, but does well on any land. Sow 8 lbs. to acre. Price, per lb., 85c; postpaid. By freight, per lb., 75c. Write us for quantity prices.

Grass Mixture

MIXTURE FOR LOW, DAMP SOIL. Can be cut for hay but better for pasture. Kentucky Blue Grass, Red Top, Meadow Fescue, Alisike Clover, English Rye Grass and Timothy. Price, 20 lbs., per acre. $4.50; per 100 lbs., $21.00.

MIXTURE FOR HIGH LAND. Good for pasture and hay. Brome Grass, Fescue, Meadow Fescue, Orchard Grass, Timothy, Alfalfa and Red Clover mixed in proper

portions. Price, 20 lbs., per acre, $5.00; per 100 lbs., $23.00.

TABLE OF WEIGHTS OF GRASS AND FIELD SEEDS

Showing Number of Pounds to the Bushel and Amount of Seed Necessary for an Acre

<table>
<thead>
<tr>
<th>No Lbs. to Bu.</th>
<th>No Lbs. to Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>90</td>
</tr>
<tr>
<td>Aisike Clover</td>
<td>60</td>
</tr>
<tr>
<td>Barley</td>
<td>45</td>
</tr>
<tr>
<td>Beans</td>
<td>60</td>
</tr>
<tr>
<td>Million Dollar Grass</td>
<td>10 to 15</td>
</tr>
<tr>
<td>Buckwheat</td>
<td>50</td>
</tr>
<tr>
<td>Broom Corn</td>
<td>46</td>
</tr>
<tr>
<td>Brome Grass</td>
<td>14</td>
</tr>
<tr>
<td>Blue Grass, Kentucky</td>
<td>14 to 25</td>
</tr>
<tr>
<td>Cane in Drills</td>
<td>50</td>
</tr>
<tr>
<td>Cane, for Fodder Broadcast</td>
<td>50 to 150</td>
</tr>
<tr>
<td>Clover, Alisike</td>
<td>60</td>
</tr>
<tr>
<td>Clover, Red</td>
<td>60</td>
</tr>
<tr>
<td>Clover, White Dutch</td>
<td>60 to 70</td>
</tr>
<tr>
<td>Corn</td>
<td>56</td>
</tr>
<tr>
<td>Corn on Ear</td>
<td>70</td>
</tr>
<tr>
<td>Cow Peas</td>
<td>60</td>
</tr>
<tr>
<td>English Blue Grass (Meadow Fescue)</td>
<td>24 to 30</td>
</tr>
<tr>
<td>Flax</td>
<td>50</td>
</tr>
<tr>
<td>Hemp</td>
<td>44</td>
</tr>
<tr>
<td>Japanese Millet</td>
<td>10 to 30</td>
</tr>
<tr>
<td>Johnson Grass</td>
<td>25</td>
</tr>
<tr>
<td>Kaflir Corn</td>
<td>56</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>to Bu.</th>
<th>No Lbs. to Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millet (except as noted)</td>
<td>50 to 56</td>
</tr>
<tr>
<td>Onion Sets, top</td>
<td>28</td>
</tr>
<tr>
<td>Onion Sets, bottom</td>
<td>32 to 40</td>
</tr>
<tr>
<td>Orchard Grass</td>
<td>14 to 30</td>
</tr>
<tr>
<td>Pearl Millet</td>
<td>5 to 8</td>
</tr>
<tr>
<td>Peas, field or smooth garden</td>
<td>60 to 90</td>
</tr>
<tr>
<td>Peas, wrinkled</td>
<td>56</td>
</tr>
<tr>
<td>Pennies</td>
<td>24 to 30</td>
</tr>
<tr>
<td>Fennel</td>
<td>5 to 8</td>
</tr>
<tr>
<td>Potatoes Irish good measure</td>
<td>50 to 60</td>
</tr>
<tr>
<td>Potatoes</td>
<td>50 to 60</td>
</tr>
<tr>
<td>Potatoes</td>
<td>50 to 60</td>
</tr>
<tr>
<td>Rape</td>
<td>5 to 10</td>
</tr>
<tr>
<td>Red Top</td>
<td>44 to 50</td>
</tr>
<tr>
<td>Red Clover</td>
<td>60 to 70</td>
</tr>
<tr>
<td>Rye</td>
<td>56 to 60</td>
</tr>
<tr>
<td>Rye Grass, English or Perennial</td>
<td>50 to 60</td>
</tr>
<tr>
<td>Speltz, or Emmer</td>
<td>18 to 20</td>
</tr>
<tr>
<td>Sweet Clover</td>
<td>60 to 70</td>
</tr>
<tr>
<td>Timothy</td>
<td>45 to 50</td>
</tr>
<tr>
<td>Wheat</td>
<td>60 to 90</td>
</tr>
</tbody>
</table>

UNIVERSITY GRASS MIXTURE. This is a special mixture recommended by the University Experiment Station as the best for pasture. We mix it in the right proportion and use only the very best grade of seed. Brome Grass, Meadow Fescue, Orchard Grass, Alfalfa. Price, 24 lbs., per acre, $6.50; per 100 lbs., $26.50.

ALL FIELD SEEDS SUBJECT TO MARKET CHANGES
Grasses

KENTUCKY BLUE GRASS. This valuable grass is very productive, usually early and very desirable as a pasture grass. It comes in the spring and with a few rains during the summer will make good pasture until late fall. It is surprising how well this grass does West, even during the dry season. It is very desirable for lawns. Price, per lb., 40c; postpaid. By freight, per lb., 50c; 50 lbs., $14.00; 100 lbs., $27.50. Write us for quantity prices.

ORCHARD GRASS. (14 lbs. to the bu.; 5/2 to 2 bu. per acre.) Because of its rapid growth orchard grass is one of the most valuable and popular of our domestic grasses. It is hardy and may be grown anywhere in the United States, except the extreme South and the arid regions of the West. It is a very hardy perennial vigorous grower and does as well in shade as in sunshine. It is about two weeks earlier than timothy and one of the last to succumb to frost in the fall. The tendency of Orchard Grass to grow in tufts may be overcome by thorough preparation of the ground and liberal seeding or sowing with other grasses. It may be sown with good results at most any time from January to September, inclusive. Sow by hand, if possible, or with a seeder. Price, per lb., 40c; postpaid. By freight, 50c per lb. Write us for quantity prices.

MEADOW FESCUE or ENGLISH BLUE GRASS. (14 lbs. to bu., Sow 21 to 26 lbs. per acre.) Hardy and very valuable for good feed and pasture. Starts early in the spring and lasts until November and December. Just the grass for permanent pasture or meadow. Meadow Fescue grows luxuriantly, the blades being broad, tender and nutritious, and sprigs up quickly after cropping. It starts early in the spring, affording most excellent grazing by March 20 or 30, and in the fall will frequently keep cattle feeding in November. For hay it should be cut soon after the blossoms fall. Price, per lb., 40c; postpaid. By freight, per lb., 50c. Write us for quantity prices.

CANADA BLUE GRASS. This is the blue grass of Canada New York and the New England states. It does better on poor, clayey, thin soils than on rich land. It is smaller, grows closer to the ground and stands cold and drought better than Kentucky Blue Grass. Has a very blue color and flattish stems. Very nutritious and really a valuable grass. Not desirable for lawns. Price, per lb., 30c; postpaid. By freight, per lb., 35c. Write us for quantity prices.

TIMOTHY. This grass is used exclusively for hay and does well on most any soil. Sometimes grows to the height of 4 feet on rich loam. It is exceedingly nutritious, particularly when ripe. This grass is also used for pasture. It is known to be better for hay and is sown mostly with Red Clover. Price, per lb., 25c; postpaid. By freight, per lb., 30c. Write us for quantity prices.

ENGLISH OR PERENNIAL RYE GRASS. This grass is equally valuable as a hay or permanent pasture grass. Produces an abundance of remarkably fine foliage and soon forms a compact sod. After being cut it grows quickly and remains bright and green through the season. It is also a good variety for hay if cut when in blossom, as it is then most nutritious. Flourishes best in moist soil. Price per lb., 15c; postpaid. By freight, per lb., 20c. Write us for quantity prices.

RED TOP. Valuable either for mixing in hay or permanent pasture grass. Succeeds almost everywhere but does best in moist, rich soil. It is being sown with Alsike in Western Nebraska, with a great deal of satisfaction. It is often sown with Timothy and Clover. Price, Fancy hulled, per lb., 30c; postpaid. By freight, per lb., 35c; Fancy unhulled, per lb., 30c; postpaid. By freight, per lb., 35c. Write us for quantity prices.

GRASS SEED MIXTURES, SEE PAGE 31

BROMUS INERMUS


Nebraska Experiment Station says: This is one of the principal grasses grown in the dry and semi-arid regions of Russia and Siberia. It starts very early in the spring, and continues growth until late in the fall. Brome grass spreads by means of under-ground rootstocks. As a hay crop, the grass usually furnishes good cuttings for two or three years, and sometimes cutting three times three years of cured hay per acre, after which the sod becomes so root-bound that the grass does not grow tall enough for hay (this can be overcome by disking) but will furnish the best pasture for several years.

TIME TO SOW BROME

If plenty of moisture is present it is best to sow in the fall otherwise it is better to sow in the spring. It is sometimes sown with winter wheat. It is recommended to sow with alfalfa where the latter is to be used as pasture. Price, per lb., 30c; postpaid. By freight, per lb., 25c. Write us for quantity prices.

When in the market for grass and field seed, write for our latest price list, some kinds may be cheaper.

GOOD BOOKS

On page 3 you will find a list of Books on Rural Topics. These are written by experts in these lines. Look them over and order the ones that most interest you. They are only 50c ea.

PRICES ON ALL GRASS SEEDS SUBJECT TO MARKET CHANGES
Good seed is primarily essential in the production of good crops. An ear of average Dent Corn contains about 800 grains, which is sufficient to plant 160 hills with 5 grains each, or more than enough to cover one-half acre if the hills are 3½ feet apart each way. From this it is easily seen that the loss to a farmer would be considerable if he planted but one bad ear of seed to a field. Our seed corn is buttressed and tipped and tested for germination before being sold.

**GOLD MINE.** The grain is a rich golden, shining like new coin from the mint; dent, long; kernel often over three-fourths of an inch long. This corn will shell more pounds to seventy pounds of ears than any corn we know of. Seventy pounds of Gold Mine on the ear will make 62 to 63 pounds of shelled corn. This is the smallest proportion of cob of any variety.

**HOGUE'S YELLOW DENT.** This corn is highly endorsed by the State Experimental Station and is one of the very best corns for Nebraska and Kansas. Ears are medium size to large, maturing in over 100 days.

**IMPROVED LEANING.** A rich, dent corn, good sized ears, rich in protein. According to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. It is a very productive sort, and because of the smooth, even surface, it is much nicer to handle than the rough, hackled sorts.

**IMPROVED IOWA SILVER MINE.** Silver Mine is the most popular White Corn grown in the corn belt. It is a pure white dent corn with ears of good size and is inclined to be well over the butt and tips. It is early, yields heavy, has deep grains, stands up well and will probably grow more corn to the acre on thin land than any other variety. It yields enormously on heavy land.

**NEBRASKA WHITE PRIZE.** Ears are large and well filled at both ends, the white cob being hardly visible. Is medium late, and yields frequently 70 bushels to the acre.

**WHITE CAP BUTCHER.** A medium yielder, early red corn with white cap; will mature in 80 to 90 days and be good and sound.

**QUEEN'S GOLDEN.** The largest of all popcorns. The stalk grows five to six feet high, and bears two to three large ears each. It is yellow, but pops creamy white, and of excellent quality. Price, pkt., 5c; lb., 25c; postpaid.

**WHITE RICE.** A prolific variety. Ears short; kernels long, pointed and white. Probably no variety of popcorn is superior to this for popping. Price, pkt., 5c; lb., 25c; postpaid. Ask for prices on popcorn in large lots.

**IMPROVED REID'S YELLOW DENT.** Has a wide reputation and is endorsed by more experiment stations than any other corn grown. Has heavy stalks with an abundance of blades, making extra fine fodder. It will ripen in 90 to 100 days and yield from 80 to 100 bu. per acre ordinary farming.

**Pride of the North.** This is a well known variety; beautiful, deep dented, fine golden color, 8 to 9 inches long, with small cob and very long and deep kernels. A tremendous sheller. Seventy pounds of ears will make 60 pounds of shelled corn. Stalks grow to about 7 feet, are short stemmed and leafy average distance base of ear from ground is 3 feet. Two well developed ears are frequently found on one stalk. Yields 40 to 70 bushels to the acre. Ripebs in 70 to 90 days. Is hardy and vigorous.

**WHITE FLINT.** The great feature of this variety is the large grains and small cob it produces. The ears are 12 to 15 inches long, smooth and symmetrical. Kernels are broad and lumpy, and white in color. White flint makes a very sturdy and vigorous growth with a great abundance of both succulent leaves and is of great value for fodder and silage as well as grain.

**YELLOW FLINT.** Similar to White, except color. Similar to White, except color. Price on any one above corn: 1 bu., $1.25; ½ bu., $3.40; per bushel, $4.50.

Before ordering a quantity of seed corn, write us for prices.

**BABY GOLDEN POPCORN.** Smallest popcorn in existence. It is very prolific, producing from 5 to 10 ears on a single plant. The stalks do not exceed 3 feet in height and the ears from 1½ to 2½ inches in length. The kernels are but very little larger than a kernel of rice, of a handsome, lustrous, light golden color, and pop without leaving any hard center. Price, pkt., 5c; oz., 10c; 1 lb., 15c; lb., 40c; postpaid.

**CORN PLANTERS AND SHELLERS LISTED ON PAGE 77 AND 78.**

Every corn planter should have this seed tester for testing his seed corn. There are 100 separate apartments in the felt for testing seeds. Requires little attention.
SPRING WHEAT

NOW ABOUT 127 BUSHELS PER ACRE

MARQUIS WHEAT was originated by Cka., and William Saunders of Ottawa, Canada, by crossing Red Fife and Hard Calcutta, a native Wheat of India which had become acclimated to northern conditions. The first experiments were conducted in 1886, and it was not until 1903 that the variety was fully developed. By scientific crossing, a variety was produced that inherited the remarkable earliness of the Calcutta, and the frost-resistant and yielding qualities of the Red Fife. The original stock of seed was very small, but by careful selection the amount was gradually increased so that it might be disseminated throughout America.

Appearance. Marquis Wheat is similar in appearance to Red Fife, but the heads, as a rule, are heavier and the straw shorter, making it less likely to lodge. The kernel is flinty, a little darker in color than Red Fife, being dark brown, and more plump than that variety. It is beardless, having smooth, yellow chaff. Under certain climatic conditions a small percentage of the heads sometimes show a reversion to the Hard Calcutta parent. Otherwise the heads are identical with the bald heads, maturing at the same time and containing the same size and shape of kernel. It weighs from 64 to 66 pounds to the measured bushel. Price, $1.60; 1 bu., $1.50; 1 bu., $1.00. Write for quantity prices.

MACARONI OR DURUM WHEAT. Sent out by the United States Department of Agriculture under strong recommendation as to its great value for semi-arid lands where good crops of Spring Wheat could not ordinarily be produced, has more than justified every claim made for it. The acreage of this variety is increasing every year in spite of the opposition of some millers. It outyields by far any other variety of Spring Wheat, and it has been demonstrated that it makes bread superior to that made from both Red Fife Wheat flour and has proved to be practically immune to the dreaded rust when growing it resists extremes of weather which no other Wheat will endure. It's same as Marquis.

Oats-Kherson

KNOWN AS UNIVERSITY OATS No. 1. Hardy and good yielder. Largest yielder in Nebraska, 80 to 112 bushels to acre two to three weeks earlier than common oats. These Oats originally came from Russia, where they were known as the best extra early, hardy, good yielding Oats when ripe. They are a beautiful yellow in color. They vane fine large sprangules or full heads. The leaves are broad and extend nearly to the roots. They are a good yielder under favorable conditions. They do much better than many other oat varieties in dry seasons, giving a fair crop when other varieties yield hardly 10 bushels to the acre. This variety is especially adapted to soils where others would lodge as it has a short, stiff straw, bearing grain nearly one-half its length. It is an immense yielder and on account of its earliness usually escapes rust when other varieties may be entirely ruined. Kherson Oats ripen with barley and the extra early wheats, hence they make splendid sucotash mixtures when grown together. We have a fine lot of Kherson Oats for seed. Price, 1 bu., $1.00; 5 bu., $4.75. Write for quantity prices.

White Kerson Oats

WHITE KHERSON OATS. Known as Uni. Oats No. 21. Almost every farmer knows about Kherson Oats, but very few, up to a year ago, had ever heard of WHITE KHERSON OATS. The White Khesron Oats have been bred for the University of Nebraska from the original Great Kherson Oats. This oats is even heavier than the common Kherson and is a nice bright white. Last year was the first year we put them on the market, We expected to have a big trade on them and our expectations were more than realized. Price, 1 bu., $1.20; 5 bu., $5.75. Write for quantity prices.

SWEDISH OATS. Swedish Oats have given such general satisfaction that we know many will still adhere to this favorite. For the benefit of these we have secured seed which is of the usual high standard. At the Wisconsin Experiment Station it has stood at the head of the list for several years, having been distributed by that station as Wisconsin No. 4. Prof. Moore of Wisconsin says of the Swedish oat, "The most satisfactory of all." Prof. Carleton of U. S. Department of Agriculture says, "Probably the best American Oat." Price, 1 bu., $1.10; 5 bu., $5.25. Write for quantity prices.

BARLEY WRITE US FOR QUANTITY PRICES

WHITE HULLESS. A valuable variety, has large heads, plump kernels, both hulless and beardless, and looks like large white wheat. Is two or three weeks earlier than any other barley and an immense yielder. Stool wonderfully sow only 11 bushels per acre. Per lb., 15c; postpaid. By express, 100 lbs., $8.00. Write for quantity prices.

COMMON. Succeeds best on lands more sandy and lighter than those adapted to wheat. Sow from 2 to 2½ bushels per acre. Per lb., 15c; postpaid. By freight, 100 lbs., $7.50. Write for quantity prices.

MANDSCHEIRLI. It is an early six-rowed, bearded variety, maturing 90 to 90 days from the time of sowing; is very strong strawed and stands well, bearing large heads of plump grain, adapted to all kinds of soil and climate. Per lb., 15c; postpaid. By freight, 100 lbs., $7.50. Write for quantity prices.

CHAMPION. It is beardless and nice to handle. Grows tall and stands well, bears a large head, is a splendid good land variety. Per lb., 15c; postpaid. By freight, 100 lbs., $8.00. Write for quantity prices.

ALL FIELD SEEDS SUBJECT TO MARKET CHANGES
Non-Saccharine Sorghums

KAFFIR CORN

This is the most excellent plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight upward growth. The stem, or stalk, bears numerous wide leaves. The stalks keep green and brittle and juicy, making an excellent fodder either green or dried, the seed is fine chicken feed.

It also seeds heavily, sometimes yielding 60 bushels to the acre. Both grain and fodder are excellent. The stalks remain tender to full maturity of seed. For fodder sow one to two bushels either broadcast or in drills. Price, per lb., 15c; postpaid. By freight, 50 lbs., $7.75; 100 lbs., $3.00. Write for quantity prices.

MILO MAIZE

Milo Maize is an excellent grain for dry regions. It will yield 15 bushels to the acre under conditions so dry that corn will be a total failure. When fed with some succulent feed such as alfalfa, stock beers or sorghum, it makes fine feed for fattening cattle. To prevent waste Milo Maize should be fed in heads or ground. Plant 4 to 6 pounds per acre in rows and cultivate. Price, per lb., 15c; postpaid. By freight, 50 lbs., $3.00; 100 lbs., $5.00. Write for quantity prices.

SUDAN GRASS

Sow in drills 2 to 3 lbs. per acre; broadcast 25 lbs. A new crop of immense value to the West.

SUDAN GRASS is thought to be the wild original form of our cultivated sorghums. Its close cellular construction makes it a plant capable of withstanding drought. Like Kaffir it is acclimated to extreme heat and can be grown during extremely dry weather, thus enabling it to live for weeks, often without any visible growth, waiting for moisture. When moisture is received the plant resumes its growth and the crop matures. Sudan Grass is strictly an annual and dies each year.

After cutting it renews its growth promptly when moisture conditions are favorable and in about 40 to 60 days another cutting is ready.

SUDAN GRASS may be planted in cultivated rows, in close drills, or broadcast. It is very susceptible to frost, therefore the seed should not be planted until the ground is warm and the danger of frost is past. It should be planted as soon as the season will permit however, in order that it may have the maximum growing season, and give the greatest number of cuttings and the heaviest yield of hay.

Price, per lb., 15c; postpaid. By freight, 5 lbs., $1.20; 10 lbs., $2.25. Write for quantity prices.

JERUSALEM CORN

The best and surest grain crop for dry countries—even better than Kaffir Corn, Dhoura and Milo Maize. It grows from 3 to 5 feet high, makes one large head on the main stalk, and several smaller ones on the side shoots; well filled with valuable grain for stock and chicken feed. Eight heads sometimes grow on one stalk, the grains are pure white and nearly flat. Three pounds will plant an acre. Price, per lb., 20c; postpaid. By freight, 50 lbs., $4.00; 100 lbs., $7.00.

FETERITA

This is one of the latest in non-saccharine sorghums. A new grain introduced into the United States from British Egyptian Sudan several years ago by the U. S. Department of Agriculture. It belongs to the same family as Kaffir Corn and Milo Maize and resembles these grains in some respects. It produces stalks of medium height with ten to twelve leaves and a large upright seed head, well filled with grain. The plants stool freely producing numerous smaller seed heads.

It matures a crop in 70 days—about three weeks earlier than Kaffir Corn. Price, per lb., 15c; postpaid; 50 lbs., $2.00; 100 lbs., $5.00.

TEOSINTE

06 Tons Green Fodder per Acre

A forage plant that originated in Egypt, and which for a number of years has been grown successfully in the Southern states. It resembles corn somewhat in appearance, but the leaves are much longer and broader and contain sweeter sap. The yield is so abundant that one plant is considered sufficient to feed a pair of cattle for 24 hours. It suckers more than any other forage plant, generally producing 20 to 30 stalks from one kernel of seed, and growing to a height of 11 feet. Can be cut when 2 to 3 feet high and used for fodder, after which it will quickly grow up again. Can be cut two to five times in a season. The forage to be had estimated 300 tons per acre. Can be cut and fed in the green state, or it can be dried and stored for winter feeding. Excellent results have been reported as far north as Iowa and southern Minnesota and Wisconsin. Price, per lb., (will plant 1 acre), 15c; 5 lbs., $4.00; postpaid, 70c per lb, not postpaid.

Cane or Sorghum

FEEDING VALUE. It is known quite definitely that an acre of sorghum will produce more food value, more pounds of beef or pork, when properly fed, than an acre of corn. The main use of the crop, however, is for a winter supply of forage, and it has this advantage over corn or any other kind of grain, that it can be sown late. It furnishes fodder in 70 to 80 days in about 90 days of growth.

TIME TO SOW. Sorghum may be put in almost any time up to the middle of July. June is the best time.

HARVESTING. Harvest as late as possible to avoid hard frost, in order that the fodder will retain its sweetness and succulence. When sown broadcast cut it green and allow to dry for a week or ten days, after which it may be put in shocks weighing about 500 pounds and allowed to stand till fed. Price, per lb., 15c; postpaid. By freight, 50 lbs., $2.50; 100 lbs., $4.50. Write for quantity prices.

ALL FIELD SEEDS SUBJECT TO MARKET CHANGES

Before Ordering a Quantity, Write for Our Latest Prices
Speltz or Emmer

This new grain was first introduced into this country two years ago and has proven of great value. It has become a staple in all sections of the West and Northwest and its position in the list of crops is thoroughly established. It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or stock. It is reallythresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid second orth with buckwheat and in dry or cold sections where corn will not miture Speltz will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. Price, per lb. 15c, postpaid; per 100 lbs., $8.00. Write for quantity prices.

Seed Flax

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have been very high. Our seed is thoroughly reelected, free from mustard or any other weed seed and is an excellent stock feed and seed. Price, per 1000 lbs., $3.00; per 2000 lbs., $2.50; 50 lbs., $4.50. Write for quantity prices.

Broom Corn

OKLAHOMA DWARF. Possesses several features of merit which places it at the head of all other varieties. Its earliness, dwarf habit (5 ft. high), robust growth, extreme productivity, long, well-fibred brush and its ability to resist drought. Price, per lb., 10c, postpaid. By express or freight, 25 lb. lots, per lb., 10c. Write for quantity prices.

IMPROVED EVERGREEN. The best variety for general culture, combining beauty, color and quality of brush. Price, per lb., 15c; postpaid. By freight, per lb., 10c. Write for quantity prices.

WHITE WONDER MILLET. Has been raised in western Kansas for several years and it is just as hardy and vigorous as other millets. The most striking feature of this White Wonder Millet is the large size of the heads. The heads will run from eight up to eighteen inches and a single head will have as many as 15,000 seed. Another very desirable feature of White Wonder Millet is its earliness. This variety is much earlier than German Millet but not quite as early as the Siberian variety. The foliage is very heavy, the leaves broad, and therefore it produces an immense amount of excellent fodder which cures very readily. Price, 15c per lb., postpaid. By express or freight, 25 lb. lots, $3.00; 50 lb., $2.50; 100 lb., $7.50.

BOG OR BROOM CORN MILLET. This is grown for the same purpose for which other millets are sown, but makes inferior hay unless cut very young. It, however, yields enormously of seed, even 60 to 70 bushels to the acre, and this seed is very advantageous for fattening swine and other stock. It is of special value for this purpose in sections where corn cannot be safely or cheaply grown. Seed also makes very fine poultry or wheat binder when heads are in the dough state, or beginning to harden. This variety has been extensively raised for stock feed. It is well suited to both hay and stock feed. Price, Fancy Reelected Bog or Broom Corn Millet, per lb., 15c; postpaid. By freight, 50 lb., $2.50; 100 lb., $5.00.

JAPANESE BARNYARD MILLET. (Called "Billion Dollar Grass," owing to its high value. Its greatest value is for green fodder, of which it yields 3 to 5 tons per acre. It is excellent for cows, producing more milk than corn fodder. It grows 6 to 8 feet high, and the identities 70 bushels of seed per acre. It should be sown the latter part of May or the 10 bushels per acre. Price, per lb., 15c; postpaid. By freight, 50 lbs., $4.00; 100 lbs., $7.50. Write for quantity prices.

LIBERTY MILLET. This grows very rank and is one of the best varieties for hay on account of being so sweet, palatable and milk-producing. On good, rich soil it will make a growth of 4 to 5 feet and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of five tons of hay per acre is nothing unusual. Sow three pecks per acre. Price per lb., 15c; postpaid. By freight, 50 lbs., $4.00; 100 lbs., $7.50.

SIBERIAN. (Also called Red German, Dakota and Early Russian Millet.) It is from 2 to 4 weeks earlier than German millet, and can be cut for hay in 60 days. From planting to harvest it is ready to cut and is of extremely fine and soft and does not make as much hay as German millet. It stools heavily. Sow 1 bu. broadcast or 1 bu. in drills to the acre for hay, on rich land. Price, per lb., 15c; postpaid. By freight, per 50 lbs., $4.00; 100 lbs., $7.50. Write for quantity prices.

Milles

Millets

Shrock Kaffir-Sorghum

THE SEEDS THAT THE SEA-GULL SOWED

The new miracle forage crops-Great drought resister-stays green until frost will not heat in stack.

Three years of careful study, three years of rigid tests, three years of exacting comparisons, three years of pains-taking experiments has demonstrated beyond a particle of doubt that we have a new and distinct type of Kaffir-Sorghum of surpassing merit.

Harvesting

For Silage and Dry Fodder. Cut with corn binder just before frost.
For Grain Only. Head with light corn knife or beet topper and strike. Stalk heads then 3 inches long and wide. If stalked right they never take water. Turn cattle into stalk-fields; they gray stalks into the ground. For Hay. Very fine with mower or wheat binder when heads are in the dough state, or beginning to harden.

Uses. Dry grain has same feeding value as White Kaffir and like White Kaffir best results should be either ground or fed in the head. Finest of poultry feed.

Best for silage in the world because of soft, sweet stalk and immense amount of leaves and grain.

Price, per lb., 35c; 5 lbs., $1.50; postpaid. By freight, 10 lbs., $1.25; 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $10.00.
FLOWER SEEDS

IT WILL PAY YOU TO READ THE FOLLOWING CAREFULLY

GENERAL CULTURE. A rather light and moderately rich soil thoroughly spaded, is most desirable. That the tiny seedlings may be seen and the weeds removed, it is better to plant all flower seeds in rows.

Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. Keep covered with cloth or paper till sprouts appear. The soil should never become dry after the seeds have been swelled, for if it does, they will be pretty sure to fail. Do not grow the plants too thick. Keep the weeds down and the surface of the soil well stirred with a hoe or rake during the summer especially if the weather is dry.

A great many varieties can be sown in the house, if desired, early, and afterwards transplanted. Most plants will continue to bloom much longer if the flowers are picked, and not allowed to form seed. Discount: Any 4 of our Large 8c Packets for 25c.

Seeds of Annuals

In this department we include both annuals that bloom and die the first year, and such perennials as flower freely the first year. For Perennials, see pages 54 to 57.

FLOWER SEED—ALL PRICES POSTPAID


Ageratum (Ageratum) 2 feet. Daisy-like everlasting flowers; pink, white or mixed. Pkt., 8c.

Aster (Aster). 5-inch. One of the best border flowers, blooming all summer, of easy culture. Grows 5 inches high. Blue or white. Pkt., 8c.


ALYSSUM. 5 to 10 inches. Profuse bloomer, good for bordering or for bouquets; fine for window boxes. Sow very early.

Sweet. Fragrant white flowers. The old favorite. Pkt., 8c.


Carpet of Snow. Very dwarf trailing plant. Pkt., 8c.

AMARANTHUS (Tricolor Splendens—Joseph's Coat). 2 feet. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil. Pkt., 8c.

ANTIRRHINUM (Snapdragon). Dark glossy leaves and beautiful spikes of flowers, with finely marked throats; one of the most showy border plants. Of easiest culture. Pkt., 8c.

Queen of the North. Large, fragrant white flowers. Nice for pot-culture as well as borders. Pkt., 8c.

Tall Sorts. 18-inch. Mixed. All sorts of red and yellow, best for cutting. Pkt., 8c.

Dwarf Sorts. 8-inch. Mixed. Large variety of colors; best for edging. Pkt., 8c.

ASTERS. One of the most popular flowers for late summer and fall display. Sow seed early in deep soil with plenty of manure.

Hohenzollern. Improved. The flowers are very large and double with curled petals on long stems very graceful; mid season to late blooming. White, blue, pink, lavender, purple or mixed. Pkt., 15c.

Giant Comet. A beautiful, distinct variety, resembling chrysanthemums, white and mixed colors. Pkt., 15c.

Queen of the Market. The best early aster flowering two weeks earlier than the other varieties. White, pink, scarlet, blue and mixed. Pkt., 8c.

Branching. Large, late-blooming, with long, strong stems. Mixed colors. Pkt., 8c.

Betteridge Quilled. Flowers large, freely produced, and of brilliant colors; height 24 inches. Mixed colors. Pkt., 8c.

Truffaut's Peony Perfection. Large and perfectly double, with beautiful curved petals, giving flowers a globular form. Mixed colors. Pkt., 8c.


Started Plants. Mixed colors. Per dozen, 50c; postpaid.

BALSAAM. Sometimes called "Touch-Me-Not" or "Lady's Slipper." A tender annual growing about eighteen inches tall in the shape of a small tree and producing all along the branches showy single and double flowers like small roses. Should be grown in rich soil. P. A.

Camellia-Flowered. The best of all Balsams. Flowers very large, perfect in form, double and produced in abundance. Mixed colors. Pkt., 8c.

BACHELOR'S BUTTON (See Centaurea Cyanus), page 38 and Globe Amaranth, page 36.) Pkt., 8c.

BUTTERFLY FLOWER (See Sibiranthus, page 41.)

CASTOR BEAN (See Ricinus, page 41.)

We frequently hear of Aster growers having trouble with the root aphids or green louse on the roots. This can be controlled and held in check by the free use of tobacco dust. Remove a little of the soil at the side of the plant and apply the dust, or make a strong "tea" by steeping tobacco stems, and water the plant with it. Better results can be obtained with Asters by planting them on a new plot of ground each year.

Ageratum
CANDYTUFT. A free-flowering, hardy annual somewhat resembling Alyssum, but larger, with longer heads of bloom, fragrant and easily grown early in the season. Sow early where plants are to bloom.

Empress. A complete mass of pure white flowers. Valuable for cut flowers. Pkt. 8c.

Fine Mixed. Red, pink, and white. Pkt. 8c.

CANDYApple (Indian Shot). Stately plants with handsome foliage and showy flowers. The seeds should be soaked 24 hours in warm water before planting. If sown in February, should bloom in July.

Crozy’s Dwarf Hybrid. Saved from best and largest flowers only. All colors. Pkt. 8c.

CELOSIA CRISTATA (Cockscomb). Plumosa. About 2 feet high, of branching habit, with feathery plumes of brilliant red; one of the most effective ornamental plants.

Tall Varieties. Mixed. Pkt. 8c.

Dwarf Varieties. Mixed. Pkt. 8c.

CENTAUREA. There are two types of this plant one the “Gymnocarpa” or “Dusty Miller” a plant with silvery grey foliage and largely used for bordering formal beds, and the other, our old-fashioned Bachelor Button or Corn Flower Centaurea Cyanus, which is a very hardy annual flowering all summer and useful for cutting. Very easily grown.

Cranus, (Bachelor’s Button). Also called Blue Bottle, Ragged Sailor and Corn Flower. Is a hardy annual, coming up year after year from self-sewn seed. Mixed. Pkt. 8c.

Emperor. Intense blue. Bachelor Button. Pkt. 8c.

Gymnocarpa (Dusty Miller). Graceful, fine-cut, silvery white foliage. Nice for edging beds. Pkt. 8c.

Imperialis, (Giant Sweet Sultan). Double sweet-scented flowers borne on long, stout stems. Keeps for a week in water. If cut when about to open; 2 feet high; mixed. Pkt. 8c.

CHRYSANTHEMUM. (Annual). Showy and effective arde favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties. Choice mixed. Pkt. 8c.

Clarkia. Very pretty, free flowering annuals desirable for shady places. The flowers of rose white, red, purple, etc., borne in profusion during the summer; 1 to 2 feet. Mixed. Pkt. 8c.

CLEOME. Pungens. (Giant Spider Plant). Rose colored flowers with long stamens. A tall grower, and blooms freely until frost. Pkt. 8c.

COLEUS. The most popular of all foliage plants. Easily grown from seed, but must be started in a box in the house or hot-bed as the seed is very fine and when sown is scarcely covered, but must be kept moist. Tender annual. Pkt. 8c.

COSMOS. Autumn blooming plants of exceedingly graceful habit. The single star-like flowers are borne profusely in loose clusters, ranging in color from white through pink to crimson. The feathery spring green foliage well adapts it as a background for dwarfed flowers. If topped when half grown the plants bloom much earlier, the check inducing immediately flowering. Seeds should be sown early in the spring and the plants transplanted two feet apart when danger from frost is past. Grows 5 to 7 feet high.

Lady Lenox. Strong, vigorous grower, bearing shell-pink flowers of extraordinary size and substance. Excellent for cutting. Pkt. 8c.

Mammont Giant Perfection. White, pink, red or mixed. Pkt. 8c.

Early Flowering. Comparatively dwarf plants producing both white and colored flowered coming into bloom much earlier than the giant forms and will give a great profusion of bloom until late in the autumn. Mixed. Pkt. 8c.

CYCLAMEN Giganteum. They make flowering bulbs in one season if sown in sandy soil. Beautifully motiled leaves, immense flowers of great substance. Mixed colors. Pkt. 15c.

DATERA (Sweet Nightingale). A large, strong plant with trumpet-shaped, fragrant, pearl-white flowers; 3 feet. Pkt. 8c.

DELPHINIUM (Larkspur). Giant Hyacinth-Flowered. Mixed. 3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. The colors are both brilliant and delicate. Pkt. 8c.

DIANTHUS. Carnation-like flowers. Of value for bedding. The colors range from pure white to crimson spotted and striped. Perennial, but bloom the first summer, and for years, if the flowers are freely picked.

Chinesis (Double Chinese or Indian Pinks). Compact plants with large double flowers. Excellent for bouquets as well as bedding. Pkt. 8c.

Hedewigi. (Double Japan Pinks). Much larger than the Chinese Pinks.

Hedewigi Fireball. Brilliant scarlet. Pkt. 8c.

Hedewigi Snowball. Pure white. Pkt. 8c.

Hedewigi Midnight. Blood red. Pkt. 8c.

Hedewigi Mixed. All colors. Pkt. 8c.

---

ALL FLOWER SEED PACKAGES LISTED AT 8c ARE ALSO 2 FOR 15c.
DIMORPHOTHECA AURANTIACA. (African Daisy). An extremely showy annual daisy from South Africa which suits our climate and conditions perfectly. The bush plant grows 12 to 15 inches high. The flowers which are 2 1/4 inches across, are a rich glossy orange-yellow with dark disk and halo. These glitter in the sunshine and produce a magnificent sight when in full bloom. Seed may be sowed in the same way as Asters or Petunias and should have a dry sunny position. They bloom the greatest part of the summer and fall. Pkt., 10c.

ESCHSCHOLTZIA (California Poppy). Hardy free-flowering annual growing about fifteen inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period. Sow early where it is to remain, as it will not bear transplanting.

GAILLARDIA. (Blanket Flower) Picta Lorenziana. The heads of star-shaped tufted flowers are greatly admired. They produce a blending of red, yellow and orange. 11 feet. Pkt., 8c.

GERANIUM. Favorite house plant. Seed started early will bloom the first year. Mixed colors. Pkt., 5c.

GLOBE AMARANTH. (Gomphrena). Sometimes called Bachelor's Button. A very pretty everlasting flower with blossoms resembling clover. 2 feet. Red, white and mixed. Pkt., 8c.

GODETIA. Beautiful garden plants, having delicately shaded, large, satiny texture, trumpet-shaped blossoms, easily cultivated in any good garden soil. 18 feet. Pkt., 8c.

GOLDEN FEATHER. See Pyrethrum. Page 41.

GYPSOPHILA (Panculeata). 2 feet. White flowers on branching stems, producing a veiling-like mist over the plant. Pkt., 8c.

LEGANS Rosa. 'Soft pink in color.' Pkt., 8c.

HELLANTHUS (Sunflower). Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. Californis Fl. Fl. 5 ft. Double dark yellow. Pkt., 8c.

HEDLOPHERA. Single, or gigantic dimensions. For larger amounts see Bird seed. Pkt., 8c.

HELLOTROPE. In shades of purple, fine for bouquets; the sweet vanilla odor is liked by all. Pkt., 8c.

ICO PLANT. (Mesembryanthemum).

LANTANA. Shrubby plants with Verbena-like flowers, in shades of white, red and yellow. Pkt., 8c.

HOLLYHOCK. 6 to 8 ft. August-September. One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not obtainable with any other plant. Seed sown any time before midsummer will produce plants that will bloom the following year. Pkt., 8c.

Double Varieties. White, Crimson, Dr. Faust (Black), Salmon, Deep Rose, Blood Red, Yellow with Pink Center. Seed pkt., 8c; plants, 15c each.

Double Mixed. (Charles Superb.) Seed pkt., 8c.

Single Varieties Mixed. Seed pkt., 8c; plants, 15c each.

Allegheny Mixed. Seed pkt., 8c; plants, 25c each.

IMPATINS SULTANI. Rosy carmine flowers 1 inch in diameter, produced freely throughout the season. Although a house plant, it does finely out of doors. 1 1/2 ft. Pkt., 8c.

Kochia. (Burning Bush or Summer Cypress.) The plants grow with many slender branches resembling a small, closely sheared hedge with light green leaves until fall, when the whole plant turns crimson. Seed germinates readily. Sow May 1, and thin to 2 feet apart. 2 1/2 feet high. Pkt., 8c.

LARKSPUR. (See Delphinium.) Page 58.

LINARIA (Kenilworth Ivy). Flowers lavender and purple. A charming, small hardy perennial trailing plant, suitable for baskets, vases, pots and rock work. Pkt., 8c.

LOBELIA. Annual plants of dwarf, compact growth, from five to six inches in height covered with numerous small star-like flowers. Very pretty when grown as edging for flower-beds, also for hanging-baskets and pots, and as house plants in pots in the winter.


MARIGOLD. The Marigolds are old favorites, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn.

African. Immense flowers, double, all shades of yellow. Pkt., 8c.

French. Dwarf grower; double flowers, rich golden yellow marked with velvety brown. Pkt., 8c.

MATRICARIA (Feverfew). Alba Pinnatiflora. 3 ft. Next, small, double white flowers, well adapted for bedding and cutting. They are perennial in mild climates, but in our latitude are treated best as biennials or annuals. Pkt., 8c.

MESEMBRYANTHEMUM. (Ice Plant) Suitable for rock work, hanging baskets, etc. Foliage thick, frosted, wax-like white flowers. Pkt., 8c.

MIGNONETTE. A universal favorite on account of its sweet and delicate fragrance. The massive spikes are closely set with large, highly colored and very fragrant florets. Pkt., 8c.

MIMOSA. (Sensitive Plant.) A curious and pretty plant; with plishik white flowers; the leaves close and droop at the slightest touch at night. Pkt., 8c.

On page 3, you will find a list of books on rural topics. We list these at 50c each, Postpaid.
NASTURTIUM

Dwarf, or Tom Thumb. A bed of Dwarf Nasturtiums in the yard is very brilliant and attractive, blooming all the season. One foot high.

Beauty. Scarlet splashed canary. Pkt., 8c.

Chameleon. Mottled crimson, bronze and yellow. Pkt., 8c.

OUR SPECIAL DWARF

Will give a larger variety of colors in even proportion than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Lilliput Nasturtium and of the Dwarf Chameleon, which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown. Pkt., 8c; oz., 20c; 1/2 lb., 50c; 1 lb., $1.75; postpaid.

TALL NASTURTIUMS (see page 42.)

NICOTIANA AFFINIS (Tuberose-flowered Tobacco).

Crystal Palace Gem. Sulphur, with maroon spots. Pkt., 8c.


Golden Queen. Leaves golden-green, flowers orange yellow. Pkt., 8c.

King of Tom Thumbs. Deep scarlet. Pkt., 8c.

Scarlet. Pkt., 8c.

NASTURTIUM MIXTURE

Delicately fragrant, large white star-shaped flowers; open at evenings and early morning; easily grown, blooms freely in the house. 2 to 3 ft. Pkt., 8c.

Sanderae. Sweet scented, brilliant red flowers on sturdy, bushy plants 2 ft. high; grows readily from seed. Pkt., 8c.

NIGELIA. (Love in a Mist or Devil in a Bush.) Miss Jakyll. The plants are vigorous and give an abundance of doubly odd-shaped, dainty flowers of the clearest blue, contrasting most charmingly with the fine fern-like foliage. Pkt., 8c.

PANSIES

One of the most interesting classes of flowers grown. A bed of pansies in bloom always has something new for you in variety of color and marking, every time you visit it, although they are in bloom continuously from early spring until late in fall.

The seed may be sown in the hot bed or open ground. Keep the soil moist. They prefer a shady place. Do not let the plants seed if you wish to keep them in bloom. If sown in the fall, pansies will bloom very early in the spring.

Started Plants. Mixed colors in bud and bloom. Per doz., 75c; postpaid.

Masterpiece. (Giant Curled.) The fluted petticoats make the enormous flowers appear double. The colors and combinations are odd and striking. Pkt., 10c.

Mammoth Butterfly. The flowers are very large, of good form and substance and produce freely. In colorings they are varied, seldom two alike in a hundred plants. They are mottled and spotted. Pkt., 15c.

Giant Adonis. Light blue. Pkt., 15c.


Giant Bronze. Shade of bronze. Pkt., 15c.


Giant Goldelse. Yellow. Pkt., 15c.

Giant King of Blacks. Beautiful black. Pkt., 15c.


Fancy Striped. A beautiful variety from Belgium, with good sized flowers, striped and mottled in various tints on contrasting ground colors. Pkt., 15c.

Special Giant Mixture. An excellent combination of fancy strains, selected with a view to being as near perfection as possible. Pkt., 15c.

PANSY SPECIAL NO. 14

1 Pkt., each of eight Giant named colors 95c

PANSY SPECIAL NO. 19

1 Pkt. each Bugnot, Mammoth Butterfly and Odier 35c

PETUNIA

Petunias are very popular for their rich coloring, continuation of bloom, pleasant fragrance, and easy culture. Can be set in the open border, in full sun or partial shade. Transplant easily. 1/2 feet high.

General Dodds. Beautiful; velvety, dark red. Pkt., 8c.

Howards Star. Rich, velvety, maroon with a white blotch on each petal. Pkt., 8c.

Snowball. Pure snowy white. Pkt., 8c.

Giant Ruffled and Fringed Single. The flowers are exquisitely ruffled or frilled, of immense size, and of great variety of colors. Pkt., 15c.

Double Mixed. Sure to produce a good percentage of double flowering plants. Pkt., 20c.


PORTULACA (Rose Moss). Forms masses of delicate green foliage covered with bright colored flowers somewhat resembling small roses. They thrive best in a rather rich, sandy soil and a sunny situation, will stand any amount of dry weather.

Single Mixed. All colors. Pkt., 8c.

Double Mixed. Not all the plants will come double, but the single ones can be selected. Pkt., 10c.

PRIMULA (Chinese Primrose). This is one of the most charming winter flowering house plants. Leaves are rich green and prettily cut, the starr shaped flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own. Pkt., 15c.

PHLOX (Drummondii). Sown in the open ground during April and May, they produce a perfect blaze of brilliant colored flowers until cut down by frost. The richness of color and the profusion with which the flowers are produced make them indispensable for massing in beds and borders. Thrives in almost any situation. For masses of separate colors or for bouquets they are unsurpassed. One foot high.

Griswold Seed and Nursery Co., Lincoln, Nebraska
POPPIES

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. Sow the seed where the plants are to grow, as they do not bear transplanting.

Tulip. Cup-shaped, brightest scarlet with black spots at base of each petal. Single. Pkt., 8c.

Peony-Flowered Mixed. Splendid large double flowers of all colors. Pkt., 8c.

Shirley. Pink, carmine and brilliant crimson; many edged with white single and half double, splendid. Pkt., 8c.

White Swan. Immense double fringed flowers of purest white. Pkt., 8c.

Carnation Flowered. Brilliant, finely fringed double flowers of various colors. Pkt., 5c.

PIPEDITHRIUM (Golden Feather). Parthenfolium Aureum. 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual. Pkt., 8c.

RICINUS (Caster Bean). Zanzibarica Mixed. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo-like stems and the long slender leaf stalks. Pkt., 8c.

SALPILGILOSSIS (Velvet Flower). Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. Grows easily from seed. Plant in warm, rich soil. 1½ feet tall. Mixed, Pkt., 8c.

SALVIA (Flowering Sage). Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable for pot culture. Blooms are borne in long spikes of fiery red and continue to bloom until severe frosts. Start in house and transplant into light soil. Tender perennials 2 to 3 feet tall. Pkt., 8c.

Started Plants, 50c dozen postpaid.

SENSITIVE PLANT. (See Mimosa, page 30.)

SMILAX. One of the most desirable window vines, on account of its charming, glossy green, elegant, and graceful foliage. Sow seed in February and keep in moist place. Pkt., 8c.

SNAPDRAGON. (See Antirrhinum, page 57.)

HOW TO GET 40c WORTH OF SEED FOR NOTHING, SEE PAGE 23
Annual Climbers

ARSTOLOCHIA. (Dutchman's Pipe.) An ornamental climber with brownish flowers resembling a miniature pipe. A perfectly hardy perennial standing any climate where the oak lives. Pkt., 8c.

BALLOON VINE. (Love in a Puff.) A rapid grower with fine white flowers followed by inflated seed pods resembling small balloons. Height 10 feet. Pkt., 8c.

BALSAM APPLE AND PEAR. Very rapid and dense climbers, with golden-yellow fruit which opens when ripe, showing the seed and blood-red inside. Mixed. Pkt., 8c.

CANARY BIRD FLOWER. A rapid growing, delicate vine with clean, handsome foliage and an abundance of canary-yellow blossoms, somewhat resembling a bird with half extended wings. An excellent climber for shady places. Pkt., 8c.

CYPRESS VINE. A beautiful climber with a profusion of scarlet or white star-shaped blossoms and fern-like foliage adapted to ornamental work. Pkt., 8c.

DOLICHOS. (Hyacinth Bean.) Splendid climber, producing abundant clusters of pea-like purple and white flowers, followed by ornamental seed pods. 10 to 20 ft. Pkt., 8c.

MOON FLOWER. (Ipomea Antennaria.) One of the most vigorous climbers. Will grow 30 feet; its large waxy white flowers open evening and cloudy days. The hard outer coat of the seed should be cut through with a knife and planted in warm, rich ground. Keep the soil moist. Pkt., 8c.

CARDINAL CLIMBER. We consider this a most beautiful and distinct annual climber and rapid grower attaining a height of 20 feet or more with beautiful deeply cut leaves not unlike some of the Japanese Maples and is literally covered with a haze of circular, fiery, cardinal red flowers from mid-July to frost. The flowers are about half an inch in diameter and are borne in clusters of from 5 to 7 blooms each; should be planted in warm, sunny situation on good soil. Pkt., 8c.

CLIMBING NASTURTIUM. Ideal ramblers that readily climb fences or wire netting. These blossoms are larger and the stems longer than the Dwarf Nasturtiums. Mixed. Per oz., 10c; pkt., 8c.


Mme. Gunther's Hybrids. Striped or blotched with shades of red, yellow and orange. Pkt., 8c.

Pearl. (Moonlight.) Whitish. Pkt., 8c.

Scarlet. Bright glowing red. Pkt., 8c.

Venus. Bright salmon red. Pkt., 8c.

DWARF NASTURTIUM. See page 40.

COBaea. A beautiful rapid growing climber with large purplish, bell-shaped flowers; plant the seed edgewise, and cover lightly. Pkt., 8c.

CONVOLVULUS or MORNING GLORY. The well-known kind. Mixed colors. Pkt., 8c.

Japanese Giant. The mammoth flowers of this vine run from 4 to 6 inches across and are marked with most beautiful colors and shadings. The vines are strong and robust, growing from 30 to 50 feet high during the season. Pkt., 8c.

GOURDS. Desirable for many places where an immense amount of vine is wanted quickly, producing odd and interesting fruit. Most sorts grow 20 to 30 feet in a season.

Dish Rag. Many ladies prefer a dish cloth made of sponge-like lining of this gourd to anything else, as it always sweet and clean as long as any part of it is left. Pkt., 8c.

Sugar Trough. This gourd grows large holding from 3 to 5 gallons. Very hard shell. Pkt., 8c.

Nest Egg. Resembling the eggs of hens are uninjured by the cold or wet, therefore make the best nest eggs. Pkt., 8c.

Pear Shaped. Striped yellow and green. Pkt., 8c.

Mixed Gourds. All of the above. Pkt., 8c.

HUMULUS (Japanese Hop). A rapid growing climber of easy culture, leaves variegated. Sows itself after first year. Pkt., 8c.

PASSION FLOWER. One of the best summer vines for general growing. The beautiful blue flowers somewhat resemble a water lily in shape. Pkt., 10c.

WILD CUCUMBER. A very rapid climber, often growing 30 feet in one season. It is covered with clusters of white sweet-scented flowers, followed by ornamental prickly seed pods. Ounce, 15c; pkt., 8c.

SEE OUR ROSE COLLEC-
TIONS, PAGES 54-55

Cumberland Co., Pa., 12-11-18.

Gentlemen:

Enclosed you will find my order for garden seeds. The seeds I bought of you last year did fine. The Snapdragons were the most beautiful assorted colors I ever saw. Respectfully,

MISS ANNA M. ZIMMERMAN.
Sweet Peas

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. Make a trench six or eight inches deep, but cover the seed only about an inch at first. As they come up, rake the dirt around the little plants, so that by the time they have reached the top of the ground, the trench will be almost full. Furnish support early. Give them plenty of water, and keep the blossoms picked closely, for if they produce seed pods, they will stop blooming.

LARGE FLOWERING AND UNWIN

TYPES

Aurora. A beautiful orange rose. Pkt., 8c; oz., 15c; 1 lb., 35c.

BLACK KNIGHT. Deep maroon, veined black; large and open. Pkt., 8c; oz., 15c; 1 lb., 35c.

BLANCHE BURFEE. Large pure white. Pkt., 8c; oz., 15c; 1 lb., 35c.

BOLTON'S PINK. The extra large expanded flowers are of a soft salmon-orange pink, very showy. Pkt., 8c; oz., 15c; 1 lb., 35c.

COUNTESS RADNOR. A new lavender, very fine. Pkt., 8c; oz., 15c; 1 lb., 35c.

DOROTHY ECKFORD. Pure white flower, beautifully shell-shaped; extra large, three on a stem. Pkt., 8c; oz., 15c; 1 lb., 35c.

DUKE OF WESTMINSTER. Very rich purple tinted with violet. Pkt., 8c; oz., 15c; 1 lb., 35c.

EMILY WENDERSON. Very large, beautiful white. Blooms early. Pkt., 8c; oz., 15c; 1 lb., 35c.

EVELYN BYATT. Standard rich orange salmon, wings a somewhat deeper shade. Very striking. Pkt., 8c; oz., 15c; 1 lb., 35c.

EXTRA EARLY BLANCHE FERRY. Standard rose-pink wings, creamy white. Very early. Pkt., 8c; oz., 15c; 1 lb., 40c.

FLORA NORTON. A rich lavender, entirely free from any pinkish tinge—almost a bright blue. Pkt., 8c; oz., 15c; 1 lb., 45c.

FRANK DOLBY. Pale blue, very large and fine. Pkt., 8c; oz., 15c; 1 lb., 46c.

GLADYS UNWIN. A pale rose pink, with large bold flowers on long stems. Very early. Pkt., 8c; oz., 15c; 1 lb., 35c.

HORACE WRIGHT. Large purple flowers on long stems. Pkt., 8c; oz., 15c; 1 lb., 35c.

JANET SCOTT. A grand, deep, rich pink. Pkt., 8c; oz., 15c; 1 lb., 35c.

LADY GRISIEL HAMILTON. A very light, dainty lavender. Pkt., 8c; oz., 15c; 1 lb., 35c.

LOVELY. A soft shell pink. Very good. Pkt., 8c; oz., 15c; 1 lb., 35c.

MRS. DUGDALE. Light carmine rose with faint markings of primrose. Pkt., 8c; oz., 15c; 1 lb., 35c.

NORA UNWIN. Nicely waved or fluted; usually has three flowers on a stem. One of the best white-sweet peas yet introduced. Pkt., 8c; oz., 15c; 1 lb., 50c.

PRIMA DONA. Exquisite rose pink; large and profuse. Pkt., 8c; oz., 15c; 1 lb., 35c.

RED TERN. One of the richest orange-pink sweet peas. Pkt., 8c; oz., 15c; 1 lb., 35c.

NURSING MOTHER. Deep indigo blue. Large and well-formed. Pkt., 8c; oz., 15c; 1 lb., 35c.

PRINCE CHARLES. Rosey crimson. Pkt., 8c; oz., 15c; 1 lb., 35c.

PHYLISS UNWIN. Very large size. Rosy carmine. Pkt., 8c; oz., 15c; 1 lb., 35c.

QUEEN ALEXANDER. Scarlet. Pkt., 8c; oz., 15c; 1 lb., 35c.

ROBERT SYDENHAM. Orange. Pkt., 25c; oz., $1.25.

SUNBEAM. Dusky cream. Pkt., 8c; oz., 15c; 1 lb., 35c.

SPENCER OR BUTTERFLY VARIETIES

APPLE BLOSSOM. Heavily shaded and edged with deep pink, rose and white. Pkt., 10c; oz., 25c; 1 lb., 75c.

BLANCHE FERRY. Carmine rose, pinkish white wings. Pkt., 10c; oz., 25c; 1 lb., 75c.

BURFEE'S WHITE SPENCER. Extra long stems bearing three or four pure white blossoms. Standard fluted. Pkt., 10c; oz., 25c; 1 lb., 75c.

COUNTESS SPENCER. Enormous flowers delicate pink shading deeper at the edges. Pkt., 10c; oz., 25c; 1 lb., 75c.

HELEN LEWIS SPENCER. Orange-rose wings with crimson-orange standard. Pkt., 10c; oz., 25c; 1 lb., 75c.

JESSIE CULBERTSON SPENCER. Dark rose striped on white. Pkt., 15c; oz., 55c; 1 lb., 2.25c.

KING EDWARD VII. Grand large flowers of a rich crimson scarlet. Pkt., 10c; oz., 25c; 1 lb., 75c.

MRS. ROUTZAHN. Apricot pink and straw color. Pkt., 10c; oz., 25c; 1 lb., 75c.

OTHELLO. Chocolate-red, self-colored. Pkt., 10c; oz., 25c; 1 lb., 75c.

PRIMROSE SPENCER. Pure primrose. Pkt., 10c; oz., 25c; 1 lb., 75c.

SWEET PEAS IN MIXTURES

CHOICE MIXTURE OF SPENCER VARIETIES. Pkt., 8c; oz., 20c; 1 lb., 50c.

LIGHT SHADES. Light to deep pink. Pkt., 8c; oz., 15c; 1 lb., 40c.

DARK SHADES. Brightest rose to dark scarlet. Pkt., 8c; oz., 15c; 1 lb., 40c.

SPECIAL MIXED. A well proportioned mixture of the above named varieties. Pkt., 8c; oz., 15c; 1 lb., 45c.

Use Inoculating Bacteria on Sweet Peas Page 30

ALL 8c PKTS. ARE 2 FOR 15c

Five Packages of Flower or Garden Seed Free! See Page 23
Nursery Department

Our nursery stock is all inspected by the State Entomologist and must be free from all insects and diseases before it can be sold. A certificate to this effect accompanies each shipment. We guarantee our trees to give you satisfaction in so far that if they are not satisfactory upon arrival you can return them immediately at our expense.

The Apple

The Apple is the first fruit, both in importance and general culture. No fruit is more in demand, more universally liked. The earlier varieties ripen about the last of June, and the later sorts can be kept until that season. It is a fruit in perfection the entire year. Make a judicious selection of varieties, and a constant succession can be had the whole year. We catalog only such varieties as are productive and suitable for this climate.

FOR PRICES OF APPLE TREES LISTED ON THIS PAGE, SEE PAGE 45

GRIME'S GOLDEN. Tree vigorous. Fruit above medium, regular, surface rich golden yellow; flesh yellow, flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

MAIDEN BLUSH. Good size, fine flavor, beautifully blushed, good bearer, a fine apple for home and market. September.

YELLOW TRANSPARENT. One of the earliest apples. Fruit is medium large, smooth, transparent. Skin is clear white, turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Two-year-old trees frequently produce fruit. Succeeds in all Eastern states and should be planted in all cold climates. succeeds well on thin soils. Ripens in early August. Its hardiness, vigor and early bearing commend it.

JONATHAN. A delicious dessert apple. Fruit good size, surface rich golden yellow; flesh yellow, flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

DEN DAVIS. Old variety, large, red stripes; good keeper; quality medium.

OLI ENSING (Duchess). Fruit large striped, beautiful, quite Juicy, mild sub-acid, or almost tart; tree a good bearer, with upright head, requiring little or no pruning; very hardy. Indispensable north and west, good south, and a favorite east. One of the best for culinary use, being particularly well adapted for cooking and drying. July and August.

DELICIOUS. Originated at Peru, Madison County, Iowa. Fruit medium to large, oblong and of the sheep-nose type. Color light green shaded, splashed and mottled with light and dark crimson. Quality of best for dessert.

Wealthy. Very smooth and attractive. Very prolific and a regular bearer. RED JUNE. Size medium oblong, very red. Flesh white, tender, Juicy, sweet, acid, with a fine flavor. Quite early and keeps well for a summer apple. Tree very hardy, bearing young and abundantly.

WINEAPPLE. A valuable, well-known variety. One of the leading export apples, fruit medium, roundish, skin moderately thick and tough. Dark red with yellow; flesh very rich and firm. Season December to May.

NORTHWESTERN GREENING. Tree a splendid vigorous grower, quite hardy. Fruit large to very large, green becoming yellow-green when ripe. Flesh yellow, fine grained and firm. Flavor a good sub-acid.

Crab Apples

FLORENCE. A hardy tree, bearing young; fruit medium of carmine color; flesh yellowish; medium fine; a fine jelly producer.

WHITNEY NO. 20 (Hybrid). A beautiful, upright growing tree. A young and abundant annual bearer and very hardy. Fruit of large size, conical, yellow, striped with red, and covered with a whitish bloom. Flesh white crisp, sub-acid, almost sweet and very fine for eating; good for sweet pickles. Season August to September.

MASTIPHA. A vigorous grower and tree from blight. Fruit large yellow with heavy blush of light red, flesh fine grained, firm; very juicy and fine for cooking.

Pears

CLAPP'S FAVORITE. A large, fine pear, resembling the Bartlett but without its musky flavor. Pale lemon yellow with brown dots, very juicy with a delicate flavor.

BARTLETT. Large size, with a beautiful blush next the sun batterly; very juicy, and highly flavored; tree a strong grower. Bears early and abundantly; very popular. August, September.

FLUSH. Large, red cheeked, beautiful, excellent quality, productive; one of the hardiest; very popular in the West.

SECRET. Small, rich, yellowish brown. One of the best and highest flavored pears known. Very productive.

FOR PRICES OF FRUIT ON THIS PAGE, SEE PAGE 45
**Peaches**

**ALEXANDER EARLY** (Cling). Medium size, greenish white nearly covered with rich red; flesh sweet and juicy. Very productive.

**J. H. HALE'S EARLY** (Free). Medium greenish white with red cheek; flesh white, melting, juicy. Abundant bearer.

**CHAMPION** (Free). Large, round, quite regular; yellowish white mottled with red on sunny side; flesh white with red at the pit; one of the best in quality.

**CRAWFORD'S EARLY** (Free). Large, roundish, bright yellow with red cheek; flesh yellow juicy and sweet; quality good. August and September

**ELBERTA** (Free). The great market peach of the Southwest; perfectly hardy in the North and is believed by many growers to be the best oil around; color lemon-yellow with blush on sunny side; flesh pale yellow, tender and juicy; tree vigorous; a good shipping peach.

**Apricots**

**ALEXIS** (Russian). Medium to large, light orange, yellow flecked with red; flesh tender, juicy, sweet and good quality; hardy; very productive. July.

**BUDD** (Russian). Medium to large light orange with blush on sunny side; flesh sweet, juicy with flavor of the peach; hardy and productive. August.

**Cherries**

**EARLY RICHMOND.** (English Pie Cherry). A well-known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. A profitable market plum, dollars of medium size, acid, rich and one of the best for canning and for pies. The most popular of the true Kentish Cherries. Ripens in June.

**ENGLISH MORELLO.** Medium to large roundish, dark red, nearly black when ripe, flesh purplish red, Meaty, juicy, productive.

**MONTMORENCY.** A beautiful large, red cherry larger and finer than Early Richmond, but fully 10 days later. Being extraordinary prolific and very hardy, it can be highly recommended. Valuable for canning and preserving. One of the best and most popular varieties.

**COMPASS CHERRY.** Absolutely hardy everywhere. Nearly an inch in diameter, bright red, sweet and juicy and of very fine flavor. The original tree bore fruit the third year from the seed and has borne a full crop every year since. The tree is a regular and heavy bearer and produces fruit the next year after setting out. For exposed situations and for the North and West it is the "Cherry." Requires no protection whatever; in every particular is hardy as an oak.

**Plums**

**HAWKEYE.** One of the largest and best plums grown in the northwest. Fruit large round oval; thick skin that bears handling; color dull red over yellow; flesh yellow and of prime quality. Tree hardy and vigorous, bears young and reported everywhere as prolific and regular. A profitable market plum, stands shipping well. Highly valued for fresh fruit and culinary purposes.

**SHROPSHIRE DAMSON.** One of the best for preserving; flesh amber colored; juicy and spicy; tree vigorous, hardy and an abundant bearer.

**REINE CLAUDE** (Green Gage). Small yellowish-green when mature; flesh pale green melting luscious and best quality; considered the standard of excellence; tree a moderate grower. Mid-August.

**LOMBARD.** Medium roundish-oval, violet-red, juicy and pleasant; adheres to stone; a valuable market sort, hardy and adapted to light soils; nearly always produces a crop.

**BURBANK.** Medium to large, orange-yellow, dotted and marbled with red; flesh meaty, yellow, sweet and good; valuable for canning and a good market plum; mid-June. Hardest and most prolific of the Japan varieties.

**All Kinds of Pruning Shears**

Listed on Page 87
We are agents for
Myers
Spray
Pumps.
The
World's
best.
See
Page
65 to 65

Blackberries

Plant in rich soil and a little shade, among trees, or on
north side of trees or fence, if possible.
Of all the varieties tested, the Snyder has proven the
hardest and Stone's Hardy second.
STONE. It is a vigorous grower; berry glossy black
and of good flavor; a little later than Snyder. Price,
15c each; postpaid, $1.00 per dozen by express.
SNYDER. Medium size, sweet and good, strong grower,
productive, extremely hardy; fully proven its value.
After all the experience we have had with black-
berries we are thoroughly convinced that this is the
berry for the West and Northwest. Should be uni-
versally planted. Price, 15c each; postpaid, $1.00 per
dozen, by express.
BLOWER. A splendid new sort. Large size, jet black,
good shipper, best quality, unexcelled productiveness.
15c each; 6 for 80c; postpaid. By express, $1.00 per
dozen.

Currants

Hardy, easily cultivated, stand neglect well, and lib-
erally responds to cultivation and generous treatment;
indispensable for jellies, etc. Set four feet apart in
rich ground; cultivate well or mulch heavily; prune out
old wood so that each remaining shoot will have room
to grow. If the current worm appears dust with belle-
hore. All plants well rooted and strong.
CHERRY. Berries sometimes more than half an inch in
diameter, bunches short, vigorous and productive
when grown on good soils and well cultivated.
FAY'S PROLIFIC. The leading market variety; bunches
and berries large and uniform in size, easily picked;
exceedingly productive.
VICTORIA. Large, bright red; berries medium size,
of excellent quality. Erect grower, very productive.
Ripens late, a valuable sort.
WHITE GRAPE. Very large, yellowish white, sweet or
very mild acid. Excellent quality and valuable for
the table. Productive.
WILDER. One of the strongest and most productive.
Bunch and berries very large, bright, attractive red
color, even when dead ripe; hangs on bushes in fine
condition or handling until very late. A valuable
market sort.
PRICES: All currants 25c each; postpaid, $.250 per
dozen. By express,

Grapes

There is scarcely a yard so small, either in country
or city, that room for one to a dozen or more grape
vines cannot be found. They do admirably trained up
to the side of any building or along the garden fences,
occupying but little room and furnishing an abundance
of the healthiest of fruit. Make the soil mellow and
plant the vines somewhat deeper than they stood in
the nursery. Plant about 8 feet apart by the fence or
building. For vineyards make rows 8 feet apart, 6 to
10 feet in rows.
AGAWAN. (Red.) Bunch large, compact, shouldered;
berry large, dark red or nearly black; flesh tender,
juicy, vinous and good quality; later than Concord.
25c each, $.50 per dozen; postpaid. By express, $.75
per dozen.
CONCORD (Black). Too well-known to need much de-
scription; is considered by many to be the best all
around grape grown; is extremely hardy, vigorous
and productive, bunches large, compact; berries large,
juicy, vinous and good quality; very hardy and sweet
anywhere. Price, 25c each; postpaid. $.50 per dozen;
by express.
MOORE'S EARLY. (Black). Bunch large, berry round
with a heavy blue bloom, quality said to be better
than Concord; hardy and prolific; a good market
berry; ripens about two weeks before Concord. Price,
25c each; postpaid. $.25 doz., by express.
NIAGARA (White). One of the leading sorts; bunch
large, shouldered, compact; berry large, yellowish
white, juicy, vinous and sprightly, quality good; skin
tough. Price, same as Moore's Early.
POKLIN (Green). Usually produces clusters of berries
with tinge of golden yellow where exposed to the sun;
bunch large, very compact, very large; flesh juicy, sweet,
with considerable pulp. Vine a moderately good
grower, but very healthy and very hardy, it bids
notwithstanding severe cold even better than Concord.
It produces a heavy crop of fine showy clusters.
Price, same as Moore's Early.
WORDEN (Black). Bunch large, sometimes shouldered,
compact; berries very large, skin thin. Ripens 5 to
10 days earlier and fully equals Concord in vigor
and productiveness. Price, same as Agawan.

For Mildew on Small Fruit
use Grape Dust; page 65.

Gooseberries

Plant in good rich soil in rows 5 feet apart by 3 feet
in the row, and give a liberal dressing of manure every
season. Regular pruning every year is essential for
the production of fine fruit. The English varieties es-
pecially do best in partial shade and should be heavily
mulched.
DOWNING. An old and well-known variety. Fruit large
and juicy, but not of fine quality, well almost
vigorously grower, seldom affected by mildew.
One of the best. 25c each; postpaid. By express, $.25
per dozen.
HOUGHTON. Fruit small to medium, pale red, of fine
quality. Plants of slender, spreading growth and enor-
mously productive. 25c each; postpaid. By express,
$.25 per dozen.

There is no embargo on our Gooseberry or Cur-
rent Bushes. They are all guaranteed to be
grown west of the Missouri River, hence, we are
at liberty to ship East or West.
RASPBERRIES
It is difficult to transplant one year plants. Two year plants transplant easily and are cheapest in the end. Plant on strong soil, manure freely, cultivate well, and mulch heavily. Moisture must be retained in order to grow raspberries successfully.

RED RASPBERRIES
LOUDON. The hardest and most productive of red varieties, very large and of the best quality.
CARDINAL. This wonderful berry surpasses all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large, purple berries.
BLACK RASPBERRIES
CUMBERLAND. Largest black raspberry known. Perfectly hardy and vigorous grower. For productiveness nothing exceeds it. In quality rich, sweet and luscious, a mid-season variety.
KANSAS. Strong, vigorous, standing extremes of drought and cold, and bearing immense crops. Early berries, jet black and of best quality.

PRICES
Prices on all Raspberries except Everbearing:
1 yr. old plants $1.00 per doz.; $6.00 per 100.
2 yr. old plants $1.50 per doz.; $8.00 per 100.

EVERBEARING RED RASPBERRIES
ST. REGIS. Plants set early in April gave berries June 20th of the same year, and the canes continued to produce ripe berries freely, until the middle of October. In addition to the bright crimson color and large size of the fruit, it is firm and rich in sugar that it will stand shipping 200 miles, can readily be kept in perfect condition for several days after being gathered. It succeeds upon all soils whether light and sandy or cold and heavy clay, and the canes are absolutely hardy. Price, $1.50 per doz.; $8.00 per 100.

STRAWBERRIES
The Strawberry has been styled the queen of fruits. It is the first to ripen and the quickest to come into bearing. Can be successfully grown on a great variety of soils; responds readily to kindly location and liberal feeding and culture. Every home builder who fails to have an abundance of this delicious health-giving fruit, misses a chance of great things for little money. The strawberry prefers a cool, moist soil. Not subject to severe drouth; good upland soil is the best, well enriched. Spring planting is best.

Of the hundreds of varieties that have been introduced we offer only a small number of the best, all of which will thrive under any ordinary care.

SENATOR DUNLAP. (B). Plant resembles Warfield rampant runner, should be restricted in its production of plants; fully equal to Crescent and Warfield in its ability to succeed under all circumstances. Fruit good size, regular form, beautiful bright red.
Bederwood. (B). This is generally considered to be one of the very best early varieties for home use or market. It is a splendid grower, making a large number of strong runners. It has a perfect blossom and is exceptionally productive. The fruit is of good size, light red, medium firmness and good quality. One of the best to plant with Warfield.

PRICES OF ALL ABOVE STRAWBERRIES, 40c DOZEN, POSTPAID; $1.50 PER 100 BY EXPRESS

EVERBEARING STRAWBERRIES
Strawberries that yield fruit continually from May until frost have been known for a long time. The new cultivated sorts were originated by cross-pollinating these wild everbearing Alpine sorts with our standard varieties and combining the everbearing habits of the one parent and the size and quality of the other.

We have been testing the different varieties of everbearers for several years on our own grounds and offer to our patrons the best.

PROGRESSIVE. This berry is one of the best for home use. It is a good-sized, smooth, red berry. Plants are strong, vigorous and very prolific. Fruits all season with a heavy late season yield.
Price, 75c per doz.; postpaid, $3.50 per 100; by express.
We offer one of the finest assortments of shade trees in the west. Our trees and shrubs are carefully packed and wrapped in burlap, sent by express at your expense unless otherwise ordered. T denotes trees that attain a height of 40 ft. and over; M, 25 to 40 ft.; S, 8 to 15 ft.; D, 2 to 8 ft.

ACER—Maple
A. Dasyacarpum or Sycamore. (Silver-leaved.) T. A hardy rapidly growing native tree of large size, valuable for street planting. Our stock of these is very large in all sizes. Price, 6 to 8 ft., 75c; 10 to 12 ft., $1.00 each; 15 to 20 ft., $2.50 each.

A. Dasyacarpum var. Wleri Lacinatum. (Wier’s Cut-leaved Silver Maple.) T. One of the best of cot or dissected-leaved trees, being of rapid growth. It soon produces an effect. Young shoots slender and drooping. Price, 5 to 6 ft., 80c; 10 to 12 ft., $1.50 each.

A Neungdo (Ash Leaved Maple or Box Elder.) M. A fine, rapid growing variety with handsome, light green foliage and spreading head; very hardy; desirable for street planting and succeeds in many sections where other varieties do not thrive. Price, 8 to 10 ft., 75c; 10 to 12 ft., $1.00 each.

BETULA—Birch
B. Alba (European White Birch.) T. Of which Cole—ridge says: “Most beautiful of forest trees, the lady of the woods.” Price, 6 to 8 ft., $1.00; 8 to 10 ft., $1.50 each.

Chinese Catalpa (C. Bungei.) A species from China. Foliage large and glossy; a shy bloomer. Top-grafted on all stems it forms a perfect umbrella-shaped head and makes an effective tree for formal gardens. 1 year head, $1.50; 2 year head, $2.00.

ULMUS—Elm
U. Americana (American.) T. The noble, drooping, spreading tree of our woods. One of the grandest of park and street trees. Select specimens. Price, 6 to 8 ft., 75c; 8 to 10 ft., $1.00; 10 to 12 ft., $1.50; specimen, $2.00.

SORBUS—Mountain Ash
S. Aucuparia (Mountain Ash.) M. A small tree with shining, pinnated leaves and large cymes of white flowers, followed by clusters of bright red fruit. Price, 6 to 8 ft., $1.00; 8 to 10 ft., $1.50 each.

TILLA—Linden
T. Americana (American.) T. A fine pyramidal tree, with large-sized leaves and fragrant flowers. Price, 6 to 8 ft., 50c each.

T. Pseudoeuropea (European.) M. A fine pyramidal tree, with medium-sized leaves and fragrant flowers. Price, 6 to 8 ft., 90c each.

QUERCUS—Oak
Q. Palustris (Pin Oak.) M. Foliage deep green finely divided as it grows, and long after it acquires age. One of the most valuable for street planting. Price, $1.50 each.

Q. Rubra (Red Oak). T. An American species of large size and rapid growth; foliage purplish, red in the fall. Price, $1.50 each.

ROBINA—Acacia or Locust
R. Pseud-Acacia (Black Locust.) M. A native tree, of large size and rapid growth, is being largely planted for timber; it is also quite ornamental. The flowers are in long racemes, white or yellowish, fragrant. Blooms in June. Price, 6 to 8 ft., 75c.

POPULUS—Poplar
P. Nigra Fastigiata (Lombardy.) T. This grows to an immense height and is remarkable for its columnar growth. Price, 8 to 10 ft., 75c; 10 to 12 ft., $1.00 each.

P. Alba Bolleana (Silver.) M. New pyramidal form, bearing dense racemes of white blooms; beautiful. Price, 6 to 8 ft., $1.00; 8 to 10 ft., $1.50 each.

P. Deltoldes (Monolifiers) (Carolina.) M. A vigorous, hardy native tree of rapid growth, pyramid in form, with large, glossy leaves; valuable for park or street planting. Price, 8 to 10 ft., 75c; 10 to 12 ft., $1.00; specimen, $3.00 each.

PRUNUS
P. Padus (European Bird Cherry.) M. A rapid-growing, beautiful tree, with glossy foliage and long bunches of white, fragrant flowers in May, succeeded by clusters of fruit like black currants. Price, 6 to 8 ft., $1.00; 8 to 10 ft., $2.50 each.

P. Prunus (Cherry, Wild Black. A beautiful upright, round-headed, strong growing tree; slender, glossy leaves; hardy. 4 to 5 ft., 90c.

LIRIODENDRON—Tulip Tree
L. Tulipfera T. One of the very largest native trees, with large, smooth, shining leaves, greenish-yellow flowers and an unflagging head Price, 6 to 8 ft., $1.00; 8 to 10 ft., $2.50 each.

PLATANUS—Sycamore or Plane
P. Orientalis (European Plane.) T. A lofty, widespread tree; large five-lobed leaves; valuable for its handsome foliage and free growth; makes an excellent street tree. Price, 5 to 6 ft., 50c each.

Walnut (American Black.) The large, oily nuts are borne in heavy clusters. There are enclosed only in the shell. Price, 10 to 12 ft., $1.25 each. They are much relished and always bring a fair price in market. Trees grow quite fast; wood is very valuable. Price, 5 to 6 ft., 75c; 6 to 8 ft., $1.00 each.

WEEPING TREES
MORUS—Mulberry
M. Var. Tartarica Pendula (Tart’s Weeping Mulberry). 8. A graceful and beautiful hard tree, forming a perfect umbrella-shaped head, with long, slender, willow-like branches, dropping to the ground and gracefully swaying in the wind. Price, 1 yr. head, $1.50; 2 yr. head, $2.00 each.

ULMUS—Elm
U. Var. Camperdown Pendula (Camperdown Weeping Elm). T. One of the finest weeping trees for the lawn. With broad foliage and branches drooping gracefully to the ground. Price, 1 yr. head, $1.50; 2 yr. head, $2.00 each.

S. Babylonica Var. Ramulis Aureas (Golden-Barked Babylonian Willow.) T. A novel and distinct variety of the well-known Babylonian Willow, with bright golden bark in winter. Price, 6 to 8 ft., $1.00; specimens, $1.50 each.

BETULA—Birch
B. Alba Var. Lacinata Pendula (Cut-Leaved Weeping.) T. Trunk straight, slender, white as snow; branches hanging long, pendulous threads from a great height; leaves finely cut; a universal favorite. Price, 5 to 6 ft., $1.50 each.

Mountain Ash (Weeping). A beautiful tree, with straggling, weeping branches; makes a fine tree for the lawn; suitable for covering arbors; hardy. Price, 6 to 8 ft., $1.00.

Willow, Russian Yellow (Weeping). One of our finest and best natural weepers. Extremely hardy. Price, 5 to 6 ft., $1.00.

Wisconsin Willow (Weeping). Of dropping habit and considered the hardiest. Valuable on account of its ability to resist severe cold. Price, 4 to 5 ft., $1.00.

Thurlow Willow (Weeping). A handsome cut-leaved weeping tree of the maple variety; hardy. Price, 5 to 6 ft., $1.00.

Sprayers and Spraying Material, Page 63 to 65

Be sure to see our fine Rose and Perennial Plant Collections, pages 52-58.
Evergreens-Coniferae

Specimen Evergreen Trees

The following Evergreen Trees have all been transplanted two or three times, are handsome, selected trees, well branched and rooted, suitable for lawns, etc. Are dug with ball of dirt and burlapped.

BALSAM FUR (A. Balsamea). A very erect, regular pyramidal tree with dull, dark green foliage; rapid growth and very hardy. 3 ft. $3.50; 3 to 4 ft. $4.50 each.

A. DOUGLASII (Douglas Spruce). Large conical form; branches spreading horizontally, leaving bright green above, glaucous below. Price 2 to 3 ft. $3.00; 3 to 4 ft. $4.00 each.

JUNIPERUS—Juniper

J. HIBERNICA (Irish Juniper). One of the most popular Junipers known. Rigidly upright and formal in character, resembling a green column. Price, 2 to 3 ft. $1.50; 3 to 4 ft. $2.25 each.

THUJA—Arborvitae

T. OCCIDENTALIS (American Arborvitae). A well-known native species of great value. It forms an upright concilia tree of only medium size, and is especially valuable for screens and hedges. Price, 2 to 3 ft. $1.25; 3 to 4 ft. $2.25 each.

PICEA—Spruce

P. CANADENSIS (Black Hill Spruce). This is a truly remarkable tree, well suited to our varying climatic needs. Plant liberally of this splendid variety and you will never regret it. It grows to a large size, finally reaching a height of 75 to 100 ft. Moderately fast grower. Price, 18 to 24 in. 15c; 2 to 3 ft. $2.25; 3 to 4 ft. $4.50 each.

P. EXCELSA (Norway Spruce). Rapid in growth, gracefully drooping in habit, dense in structure, regular in outline and perfectly hardy. Price, 2 to 3 ft. $2.50; 3 to 4 ft. $3.25 each.

P. PONGENS GLAUCENS (Colorado Blue Spruce). This is the selected blue form of the Picea Pongens. Only a small percentage of this variety produces the true blue foliage. Price, 2 to 3 ft. $2.25; 3 to 4 ft. $6.00 each.

SPECIAL OFFERS IN EVERGREEN TREES

HARDY EVERGREENS FOR WINDBREAK, HEDGE AND LAWN PLANTING

Strong, Heavy, Well Rooted Transplanted Stock

For Express Shipment—Hardy Outdoor Spruces, Pines Firs, Etc.

SAFE ARRIVAL GUARANTEED TO ANY POINT IN THE U. S.

Evergreen trees will bring a new beauty and charm to your home. There is unquestionably no better way of beautifying your place than surrounding it with beautiful Evergreens. As an ornamental tree Evergreens are unsurpassed. No other trees remain green through summer and winter; none are more beautiful. But while their value in this respect is great, Evergreens are most useful in other ways. They protect houses, stock and crops from wind, sun and snow. They conserve the soil’s natural moisture. They form a substantial shelter and nesting place for the birds that rid your acres of worms and destructive insects. They are a source of valuable timber for fences posts and other uses. Plant some Evergreens around your garden and just see how much difference there is in the temperature and moisture. You will find that you can grow dowers, fruits and vegetables that you never could before.

These varieties have been thoroughly tested and proven absolutely hardy and reliable and will grow successfully in all parts of the country. Send in your order now. Shipment will be made during March, April or May depending on locality.

<table>
<thead>
<tr>
<th>Size</th>
<th>5</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 to 1 1/2 feet</td>
<td>1 to 2 feet</td>
<td>1 to 3 feet</td>
</tr>
<tr>
<td>Norway Spruce (W)</td>
<td>$1.50</td>
<td>$3.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>American Arbor Vitae (H)</td>
<td>$1.75</td>
<td>$3.50</td>
<td>$7.00</td>
</tr>
<tr>
<td>Colorado Douglas Fir (L)</td>
<td>$1.75</td>
<td>$3.50</td>
<td>$7.00</td>
</tr>
<tr>
<td>Austrian Pine (W)</td>
<td>$1.75</td>
<td>$3.50</td>
<td>$7.00</td>
</tr>
<tr>
<td>Balsam Fir (L)</td>
<td>$1.75</td>
<td>$3.50</td>
<td>$7.00</td>
</tr>
<tr>
<td>Scotch Pine (W)</td>
<td>$1.75</td>
<td>$3.50</td>
<td>$7.00</td>
</tr>
<tr>
<td>Concolor Silver Fir (L)</td>
<td>$2.75</td>
<td>$5.50</td>
<td>$11.00</td>
</tr>
<tr>
<td>Ponderosa Pine (W)</td>
<td>$2.75</td>
<td>$5.50</td>
<td>$11.00</td>
</tr>
<tr>
<td>Black Hill Spruce (W)</td>
<td>$2.75</td>
<td>$5.50</td>
<td>$11.00</td>
</tr>
<tr>
<td>Dwarf Mustard (H)</td>
<td>$1.50</td>
<td>$3.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>Jack Pine (W)</td>
<td>$1.50</td>
<td>$3.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>Assorted Varieties</td>
<td>$1.50</td>
<td>$3.00</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

Varieties suitable for Windbreaks are marked (W), Hedges (H), Lawn Planting (L).

ALL KINDS RABBIT REMEDIES AND SUPPLIES LISTED ON PAGE 87
Hardy Ornamental Shrubbery

The planting of shrubs, or perhaps combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa, residence or garden home. Shrubs and flowering plants will give height, shape, and the balanced lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings.

T—Denotes shrubs that grow 12 to 15 feet high
L—Denotes shrubs that grow 8 to 12 feet high
M—Denotes shrubs that grow 6 to 8 feet high

Prices on ornamental shrubs are by express at your expense unless otherwise stated.

ALTHEA. (Hibiscus.) Rose of Sharon. 50c each
Blue Althea. 50c each
Double Violet. 50c each
Double Red. 50c each
Single White. 50c each
Double White. 50c each

DOUBLED AETHEA. Denotes shrubs that grow 3 to 6 feet high

ARALIA SPINOSA (Hercules Club, Angelica Tree, or Devil's Walking Stick.) A singular native-like shrub, growing from 10 to 15 feet high, with very prickly stems, plane leaves and immense pinacles of white flowers in August, followed by black fruit which makes it attractive until late in fall, an odd tropical looking plant. 50c each

BAY tree. D. From Japan. A very pretty species of dwarf habit, small foliage, changing to a beautiful coppery red in autumn. Valuable as an ornamental hedge plant, to 74 inches, 50c each.

BUDDLEIA. (Butterfly Shrub, or Summer Lilac.) Variflora. One of the most desirable summer flowering shrubs beginning to bloom in July, it continues until cut by severe frost. The flowers are of a pleasing shade of violet rose, and are borne in dense cylindrical spikes, which, under liberal cultivation, are from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted, and is always admired. 60c each.

CARAGANA (Pea Tree). A handsome dwarf tree with bright yellow flowers in May and June. 5 to 6 feet $1.00 each.

DOUBLE FLOWERING CRAB. One of the most beautiful of the many fine varieties of flowering crabs. Tree of medium size, covered in early spring with large, beautiful, double fragrant flowers of a delicate pink color. From a distance the flowers have the appearance of small roses. 91/2 ft. Large $1.00.

PRUNUS JAPONICA 2. pl. (Almond). A beautiful dwarf shrub, producing its showy double flowers early in May before the leaves appear. We can supply both white and pink. 60c each.

CORNUS (Dogwood). The shrubbery Dogwoods are mainly valuable for the brilliancy of their bark and berries and the handsome variegation of their foliage.

Lutea. A yellow barked dogwood which gives a very beautiful effect in winter, when contrasted with the Siberica. 50c each.

Sibirica. Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries, stem and branches turning to blood-red in winter. 40c each.

Stoionifera. (Red Ozier Cornel.) Medium sized and spreading, with dark red bark and white flowers, berries white. 50c each.

CYDONIA JAPONICA (Japan Quince). Very early in spring, this fine old shrub is completely covered with dazzling scarlet flowers, followed by small, quince-shaped fruits which are quite fragrant. Growth 3 feet and dainty with purpurea thorns. 50c each.

DEUTZIAS. Valuable, self-sustaining shrubs which vary considerably in height and habit, but bloom alike in daisy hedges. Each pinnated flower held thickly in wreaths along their branches in June. The taller sorts are useful for specimens groups, and the background of shrubbery, the dwarf more for borders or for planting near the house.

Crenata. Distinct from all others; white. 50c each. Gracilis. A favorite dwarf bush, covered with spikes of pure white flowers in early summer. 50c each.

Lemonei. Large flowers of pure white borne in cone-shaped heads. 50c each.

Pride of Rochester. Grows 6 to 8 feet high, and blooms in May before the others. Flowers large and free; double white. 50c each.

HYDRANGEA. Paniculata Grandiflora. This familiar old shrub is one of the most prominent factors during August and September, in brightening the lawn and shrubbery groups. Single specimens, if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very desirable. Large pinnate clusters of white flowers. The flowers are borne freely in May and June, of bright pink color, followed by showy red berries which ripen in mid-summer and cling to the bush for several weeks. This fine shrub is of great value planted as a background for smaller shrubs. It withstands successfully the severest winters. 50c each.

Lonicera (Bush Honeysuckle). The upright Honeysuckles have bright and pretty fragrant flowers followed by showy berries that last through the fall. Make desirable and attractive hedges.

Alberti (Siberian Honeysuckle). Dwarf bushy growth, about 2 feet, with silvery, pinnacle foliage; fragrant, violaceous pink flowers in June. 50c each.

Barbara Grandiflora Alba. A variety of upright habit, with very large, pure white flowers. 50c each.

Sargentii Alba. The best known of all the Bush Honeysuckles, and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright somewhat spreading branches and bright foliage. The flowers are borne freely in May and June, of bright pink color, followed by showy red berries which ripen in mid-summer and cling to the bush for several weeks. This fine shrub is of great value planted as a background for smaller shrubs. It withstands successfully the severest winters. 50c each.
LILAC (Syringa). This group is so well known that there is no need of extended description. To reach perfection they must have a rich, well-drained soil.

SYRINGA (Persian). Native of Persia; from 4 to 6 feet high with small foliage and bright purple flowers. Each.


White. A beautiful variety; has very large, pure white flowers. Each.

PRIVET (Ligustrum). Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn. They are almost evergreen and make lovely habit. The flowers are fragrant and are followed by pretty sprays of different colored berries.

Amur River Privet (L. Amurense). A valuable ornamental shrub for hedges and borders; very hardy; foliage glossy green and holds its color almost the entire year; will stand shearing to any extent.

Golden Privet (L. Icota). A native of China and Japan; foliage long and shining; flowers large, white and fragrant; a distinct sort, valuable for its flowers and foliage.

Regel's Privet (L. Regelianum). A dense low shrub with spreading branches, pendent at the end; a very graceful bush for hedges; needs very little trimming. Price of Privets: 18 to 24 in. $2.00 doz.; $15.00 per 100.

ELDER (Sambucus). Common Elder (S. Canadensis). A large showy shrub, very ornamental in foliage, fruit and flowers and blossoming in June; flowers white, borne in large panicles; fruit reddish-purple berries in the fall.

Cut Leaved Elder (S. Nigra var. Lacinata). One of the best cut leaved shrubs; a valuable variety with elegantly divided leaves.

Golden Elder (S. Nigra var. aurea). A handsome variety with golden-yellow foliage.

Variegated Leaved Elder (S. Nigra var. variegata). The foliage is mottled with yellow and white; one of the best of the variegated leaves.

Price of all Elders: 50c each; $5.00 dozen; by express.

RIBES AROMATICA (Fragrant Sumac). Grows 2 to 4 feet tall; flowers in clusters along the stems, followed by red berries in June. Leaves color to brilliant scarlet in fall.

Purple Fringe (R. Continus). A much admired small tree or shrub for its curious fringe of hair-like flowers that cover the whole surface of the plants in full summer.

Common Sumac (R. Glabra). 6 to 8 feet. The brilliant-colored foliage in autumn makes fine contrast with a dark background. Can be used with good effect in landscape work. 50c each.

Staghorn Sumac (R. Typhina). A large shrub or tree. The brilliant foliage and scarlet fruit in autumn. 50c each.

Cut-leaf Sumac (Var. Lacinata). 4 to 5 feet. A very striking plant of medium size, with deeply cut leaves resembling a glove; large, dark gray and green leaves below, turning to a rich red in autumn. 50c each.

RIBES (Flowering Currants). Hardy, bushy shrubs growing 8 to 10 feet high, prized on account of their early spring flowers; bright berries and dark; and pretty richly coloring foliage.

 Aureum (Golden Currant). Yellow flowers and dark brown fruits. 40c each.

Sanguineum (Red Flowering Currant). Red barked stems and reddish flowers. 50c each.

SYRINGA (Philadelphia). Also known as Mock Orange. Are mostly large shrubs, growing from 6 to 10 feet. They are very hardy, with large, handsome foliage and beautiful white flowers produced in great profusion. The merit a place in every collection of shrubs.

Grandiflora. Very large flowers in June. Fine. 60c each.

Aurea (Golden Elder). Contrasted with other shrubs, the golden yellow leaves of this Elder give heightened effects in tone and color. Flowers white, in flat-topped clusters. Naturalize in the wild, but can be pruned into a neat, compact little bush. 60c each.

SALIX WIBRUNUM. (Opulus Stirretis.) Common Snowball. An old and well-known shrub, bearing large balls of pure white flowers. 50c each.

CRATAEGUS (Wild Cranberry). Very ornamental berries resembling small cranberries, hang until destroyed by frost late in fall. 60c each.

SPIREA (Meadow Sweet). An indispensable class of small to medium-sized shrubs, embracing a wide range of foliage, habits of growth, color of flowers and season of blooming. All of easiest culture in all soils.

S. Anthony Waterer. A new crimson-flowered variety. It makes a low, compact bush, 13 to 18 inches high, and is covered nearly the whole growing season with large umbels of deep crimson flowers. Perfectly hardy, it makes a fine, compact plant for low clumps for bordering purposes. 50c each.

S. Opulifolia (Nine Bark). A strong growing shrub with white flowers. 50c each.

Sorbifolia (Ash-leaved Spirea). A vigorous species, with leaves like that of the mountain Ash, long, elegant spikes of white flowers in July. 50c each.

S. Thunbergii (Thunberg's). Dwarf habit and round, graceful form, branches slender and somewhat drooping; foliage narrow and yellowish green. Flowers small white. Esteemed on account of its neat, graceful habit and early blooming. 50c each.

S. Van Hatte. The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of twenty to thirty flat, fine florets make up the racemes, and these clusters are set close along the drooping stem. Perfectly hardy and an early bloomer. 50c each.

TAMARIX (Tamarisk). The Tamarisks are hardy shrubs, of strong growth, foliages and feathery, their flowers delicate and fringing, usually in some light shade of red or pink. They will grow anywhere. 60c each.

WEIGELIA. A valuable family, handsome in foliage as well as flowers. Are easily grown and adapted to a variety of soils. The flowers are trumpet-shaped and are borne thickly in clusters along the stems.

D. Candida. Of vigorous habit, flowers pure white and produced in great profusion in June, and continue to bloom at intervals through the summer. 60c each.

D. Eva Rathke. A charming new Weigelia; flowers brilliant crimson; a beautiful, distinct, clear shade. 60c each.

D. Rosea. One of the most popular shrubs known. Flowers bright rose. 60c each.

TREATMENT OF TREES THAT HAVE BEEN FROZEN. Place the package, unopened, in a cold cellar or some such place, cool, but free from frost, until perfectly thawed, when they can be unpacked and either planted or placed in a trench until convenient to plant. Treated thus they will not be injured by the freezing, and can be planted at any time after being dug, and before being placed under the ground, soaking well with water, or placed in water from 2 to 24 hours, and prune more closely than ordinarily.

No park space, lawn, or large grounds of any kind are complete without a Persian Lilac, Spirea Van Houtte and a Tamarisk Shrub.
Hardy Climbing Vines

ORDERS SHOULD REACH US BY MAY 1, AT THE LEAST
Your home, out-buildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish nice, strong, field grown plants at prices given below.

HONEYSUCKLES
For real handsome vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles; the foliage is pretty, neat and clean, the flowers are almost continuous, and their fragrance delicious.

HONEY Suckle HEDGES
Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is wonderful what pretty hedges they make. Iron or wire fences are the best, but almost any kind is soon covered with a mantle of living green. Other climbing vines will answer the purpose, but sweet-scented Honeysuckles are both fragrant and beautiful. They should be planted two feet apart.

MONTHLY FRAGRANT. Red and yellow; very fragrant. Blooms all summer; leaves tinged reddish color. Large size only 75c postpaid.

HALL'S JAPAN. A good strong growing, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant and covered with flowers from July to November. Large size 75c; postpaid.

SCARLET TRUMPET. Red trumpet-shaped flowers; blooms freely, vigorous and rapid growing. Large size 75c; postpaid.

YELLOW TRUMPET. Golden trumpet-shaped flowers; fragrant. Large 75c; postpaid.

BIGNONIA (Trumpet Creeper). Scarlet trumpet flowers with long, handsome, dark green foliage and quite showy clusters of orange and scarlet flowers during the summer. Large only, 75c each; postpaid.

CINNAMON VINE. A beautiful hardy climbing vine, which will quickly surround an arbor, window or veranda with a profusion of vines covered with handsome, glossy, heart-shaped leaves, bearing great numbers of delicate white blossoms, which emit a delicious cinnamon fragrance. We know of no other plant that is more satisfactory, being perfectly hardy, thriving everywhere, and when once planted will grow for many years and be a source of constant delight. The vines quickly spread 20 feet or more in length, and can be used for all purposes where a beautiful climbing vine is needed. Plant the bulbs about one inch deep in rich soil, and with the approach of winter cover lightly with straw and leaves to prevent freezing. 2 for 15c; 4 for 25c; postpaid.

HARDY IVES

AMELOPSIS QUINQUEFOLIA (Virginia Creeper). A native vine of rapid growth, with large, luxuriant foliage, which in autumn assumes the most gorgeous and magnificent coloring; perfectly hardy; the best climber for Nebraska. 90c each.

AMELOPSIS ENGELMANNI. Of denser growth, shorter Jointed and richer in effect than the quinquefolia. Grows six to ten feet in a season. Will cling to a brick wall without any extra support. 75c each.

CLEMATIS
There is no more ornamental class of plants than Clematis and the rich show of bloom produced by the best varieties is far too magnificent to be fairly portrayed by mere words. The colors run from intense velvety-purple, through crimson, blue, lavender and white. We presume that every one of our customers who sees Clematis plants in bloom each summer promises to plant some in his own garden or yard at the next opportunity. Here is the opportunity. They are especially adapted to our climate.

LARGE FLOWERING VARIETIES

HENRYI. A vigorous grower and a free bloomer, producing its large, pure white flowers constantly during summer and early autumn. The best large-flowered variety. $1.00 each; postpaid.

JACKMANII. The flowers are large, intense rich velvety violet-purple and are produced in such masses as to form a cloud of bloom. Well known and very popular. $1.00 each postpaid.

SMALL FLOWERING VARIETIES

PANICULATA. One of the most valuable of all hardy flowering vines. Of exceedingly rapid growth, soon reaching a height of fifteen to twenty feet and spreading out in all directions. Small, pure white flowers, borne in great masses of panicles or clusters on long stems, so profuse as to fairly cover the plant with a sheet of fleecy white. Its blooming period is in August and September, when most other vines have ceased, and it is then a sight to behold. Not its least charm is its delightful Magnolia-like fragrance. Hardy as an Oak. Strong two-year field plants to bloom this year, 65c each postpaid.
Roses

NOTE: The "large" roses are 2-year-old field grown; "small," 1-year-old pot grown. Order in spring, not later than June 1st.

To get the most satisfactory results, roses should be planted in well drained, rich deep loamy soil, and given a location where they have sunlight and a circulation of air. For winter protection apply application of compost or rotten manure should be given them in the late autumn, and spaded into the ground the following spring.

NOTICE: If the plants look wilted when received put them in lukewarm water for 15 or 20 minutes. Set the plants about 2½ inches deeper than they were growing before and press the soil firmly around the roots. Give them a good watering. Shade from sun and wind until they begin to grow.

TEAS AND HYBRID TEAS

Price of all Roses on this Page: Small $5; 6 for $1.25; 12 for $2.00. Large 2-year-old Field Grown, 90c each; 3 for $1.60; 6 for $5.00.

KILLARNEY (The Irish Beauty). Brilliant sparkling pink with large, pointed buds, broad, wax-like petals with silvery edges and enormous semi-full flowers of exceeding beauty. One of the very finest forcers and has become the type for a numerous family.

KILLARNEY BRILLIANT. Newest member of its family and expected to push Killarney, its parent, off the field. Color varying from crimson-pink in winter to a bright, true pink in hot weather, brilliant throughout the year. As a producer and a trifle stronger than the parent, with nearly double the petalage. First year's sales enormous.

KILLARNEY QUEEN. A cerise pink sport from Killarney, unequalled for clearness and brightness of color, with petals larger than in the parent, and its perfect foliage likewise larger and more glossy.

WHITE KILLARNEY. A pure white sport from the pink parent above described. Identical with the pink variety except in color.

LA FRANCE. Silvery-rose, with pink shades and satiny-like petals of unsurpassable beauty; large, symmetrical and deliciously fragrant blossoms from June until frost; hardy with protection.

LEMON QUEEN. Lemon-yellow. The build of the flower is a refined "Druschiki." The fragrance is delicious and is a desirable attribute. A rose par excellence.

THE BRIDE (White Tea Rose). Flowers very large on long, stiff stems. They last a long time after being cut, making it one of the best for bouquets. Sometimes a touch of delicate white in hot weather but usually a pure white.

BRIDESMAID. Clear, shining pink, buds of exquisite shape; stems long and stiff; a profuse bloomer. A leader of pink forcing roses since 1893, and likewise an outdoor favorite.

CLOTHILDE SOUPERT. A really wonderful Rose for bedding out or for pot culture; medium size and very double; white, shading to deep pink at center; a profuse grower and a strong dwarf grower, deliciously fragrant.

Killarney

HERMOSA. Popular for many years; cup-shaped, finely formed and full of flowers of soft, deep pink; ever-blooming, beautiful and hardy.

METEOR. Intense velvet-crimson, buds and blooms large, elegantly formed, fully double and borne on nice, long stems, bright foliage of the deepest green. Brilliant and highly popular.

OPHELIA. Brilliant salmon-flesh shaded with rose on outer edges of petals with a heart of glowing peach-pink and orange-yellow blendings, all passing finally to lighter shades; fragrant as Richmond, faultless form in bud and flower; erect habit, stiff, long stems; free and continuous in growth and bloom; handsome, bright foliage, immune to mildew and black spot; possesses every requisite of a perfect forcing rose.

SUNBURST. This magnificent giant yellow Rose is a fine forcer; it stands head and shoulders above all others of its color and will rank with American Beauty, and the Killarneys in value and grandeur. The color is orange-copper or golden-orange and golden-yellow; edge of petals lighter. Some call the color cadmium-yellow. It makes no difference what you call its color, it is yellowish of all roses in the ever-blooming class. Belongs in the class of big Roses. It puts all the yellows to sleep when it comes to bedding in the garden. The golden-yellow color stays right with the flower until it fully finishes. Better get acquainted with "Sunburst."

RADIANCE. Brilliant rose-carmine, shaded with rich opaline-pink tints in the open flower, which is large, full, of fine form, with cupped petals. A constant and fragrant forcer, producing strong, upright canes and an excellent keeper in flower. Seedling from Cardinal.

PINK SOUPERT. Rose-pink in color; otherwise same as Clothilde Soupert; always in bloom.

MAMAN COCHET. Rich, rose-pink, shaded silvery-rose on outer petals; exquisite in color and graceful in form from bud to bloom and delightfully fragrant; beautiful, healthy foliage and long, stiff stems. Unquestionably the queen of Pink Tea Roses and a leading cut-flower variety.

WHITE MAMAN COCHET. Identical with its parent, Maman Cochet, in everything except color.

SEE HOW TO GET GARDEN SEED FREE PAG7 21
Hybrid Perpetual Roses

Price, small size, 20 cents each; any five of your own selection for 90 cents; any twelve for $1.50. If you leave the selection to us, we will send you six for 90 cents, or thirteen for $1.50. Large two-year-old Roses from this list, 60 cents each, or four for $2.00.

AMERICAN BEAUTY. (Mme. Ford, Jamin.) Generally conceded to be the most grandly beautiful of Roses in size, form and color. Rich red, passing to crimson, very delicately veined and shaded and sur- premely beautiful. A hardy ever-bloomer and rapid grower. Small 20c each; large 60c; postpaid.

ANTOINE RIVOIRE. This is the famous Mrs. Taft Rose of the fashion- able class. This Rose is in a class by itself: no Rose ever produced has such substance of petal; color creamy-white with rainbow tints; a beauty and a wonder.

BOULE DE NEIGE. (Ball of Snow.) Pure white, showing light flecks upon opening; elegantly formed, very full and double, with beautifully shaped petals evenly arranged; hardy. Small 20c each; large 60c; postpaid.

J. B. CLARKE. Intense scarlet, shaded crimson-maron, very dark and rich, and sweetly fragrant; petals large, hard and smooth; extremely high pointed center; foliage bronzy-green changing to dark green; growth strong and upright, making a large, handsome bush. Small 20c each; large 60c; postpaid.

FRAU KARL DRUSCHL. (The White American Beauty, or Snow Queen.) An everyday hardy, vigorous grower, with bright green leaves, delicately veined; splendid long buds and magnificent snowy-white blooms with very large saucer-shaped petals. Rightly named and deservedly a prize winner. Small 20c each; large 60c; postpaid.

ETOILE DE FRANCE. For the best red garden Rose it lies between REINA and Helen Gould. Some say one and some say the other.

DAME DE BRABANT. Bright salmon-pink; an old favorite.

GENERAL JACQUENINOT. A celebrated and much sought after variety, both for planting out and pot forcing; shaped buds and hand- some blooms of bright shining crimson, rich, brilliant, velvety and fragrant. Everybody knows and wants the "Jack" for its all "round" good qualities. Small 20c each; large 60c; postpaid.

HUGH DICKSON. Brilliant crimson, shaded scarlet; very large and beautiful in form, with large, smooth petals, slightly reflexed on the edges. A vigorous grower, with handsome foliage; very fragrant. Small 20c each; large 60c; postpaid.

HELEN GOULD. A rich red Rose that is a great bloomer; the shade of red has been described best as a watermelon-red; elegant.

LADY HILLINGDON. Deep golden-yellow; superb.

JONKHEER J. L. MOCK. Clear, imperial-pink; superb.

MADAME PLANTIER. A June Rose, well worthy of its long and continued popularity. Pure white, large and fragrant; a most continuous bloomer of the best white Hybrid Perpetuals, used extensively for cemetery planting. Small 20c each; large 60c; postpaid.

HUGH DICKSON. Brilliant crimson, shaded scarlet; very large and beautiful in form, with large, smooth petals, slightly reflexed on the edges. A vigorous grower, with handsome foliage; very fragrant. Small 20c each; large 60c; postpaid.

RHEA REID. Richest deep crimson; fine for garden.

ULRICH BRUNNER. Brilliant cherry-red flowers of immense size and bold globular form. Seeding of Paul Neyron, strong and disease resistant. Small 20c each; large 60c; postpaid.

WOODROW PERKINS. Pure white sport from Dorothy Perkins, with which it is identical in foliage and habit. A valuable addition to the hardy climber class. Small 25c each; large 60c; postpaid.

CLIMBING AMERICAN BEAUTY. Seeding from American Beauty with an admixture of Wichurana and Tea blood. Same as its namesake in size, color and fragrance, with the addition of the climbing habit. Better blooming, good foliage and has proven hardy and withstood heat and drought. Small 25c each; large 60c; postpaid.

CRIMSON RAMBLER. Most popular out-of-door Rose in the world. Hardy, rapid producing of long, heavy canes, reaching a height of ten to twenty feet in one season; rich clusters of bloom from a mass of vivid crimson beauty until late in the season. Perfectly hardy in the most trying climates being a native of Japan. Small 25c each; large 60c; postpaid.

DOCTOR LINCOLN. Bright salmon-pink; a large, firm, double flower, shell-pink color which holds for a long time fading finally to a lovely deep rose; very sweet-scented; fully equal to Crimson Rambler for bushes, habit of growth and blooming qualities. Small 25c each; large 60c; postpaid.

EXCELSA (Red Dorothy Perkins). Intense crimson-scarlet; double flowers in brilliant clusters set in glossy shining foliage which never mildews or spots. An intensified Crimson Rambler, which it promises to displace. Extremely vigorous and the handsomest of all the red climbers. Small 25c each; large 60c; postpaid.

White American Beauty

MISTRESS JOHN LAING. Beauty in clear, bright, shining pink; each bud in its long, serrated calyx with adjacent green foliage, forms a very dainty and lovely boutonniere; immense, full bloom on long stiff stems; very fragrant. Small 20c each; large 60c; postpaid.

PAUL NEYRON. The largest of all Rose blooms; bright, shining pink, clear and beautiful; very double and full; finely scented; blooms first season and all summer. Grows to a great height in a single season and stems are almost thornless. Small 20c each; large 60c; postpaid.

F. R. PATZER. Creamy-puff, reverse delicate pink; extra fine.

RHEA REID. Richest deep crimson; fine for garden.

ULRICH BRUNNER. Brilliant cherry-red flowers of immense size and bold globular form. Seeding of Paul Neyron, strong and disease resistant. Small 20c each; large 60c; postpaid.

Hardy Climbing Roses

This class of Roses need some protection in this climate, that is, states north of Kansas. A good plan is to lay them down and cover with straw or leaf mulch. It is freezing and thawing alternately that kills Rose bushes.

CLIMBING AMERICAN BEAUTY. Seeding from American Beauty with an admixture of Wichurana and Tea blood. Same as its namesake in size, color and fragrance, with the addition of the climbing habit. Better blooming, good foliage and has proven hardy and withstood heat and drought. Small 25c each; large 60c; postpaid.

WHITE DOROTHY PERKINS. Pure white sport from Dorothy Perkins, with which it is identical in foliage and habit. A valuable addition to the hardy climber class. Small 25c each; large 60c; postpaid.

SHOWER OF GOLD. Deep golden-yellow orange flowers borne in splendid trusses forming a mass of bloom. Extremely long laterals are densely clad with a beautiful Wichurana foliage, the leaves on upper side and stems a reddish-brown shot with a silvery white. Small 25c each; large 60c; postpaid.

TAUSENDSCHOEN. (Thousand Beauties.) Varying shades from a delicately flushed white to a deep pink or rose-carmine, in bright clusters of blossoms almost covering the handsome pale-green foliage. A vigorous hardy climber with few thorns, of German origin. Small 25c each; large 60c; postpaid.
Polyantha, or Baby Rambler Roses

A class of miniature Roses derived from the Climbing Polyantha. They are of dwarf habit and bloom so freely as to cover the entire plant with bloom all through summer and fall. The plants are splendid for bedding, or as edgings for borders they are hardy. They are useful, either pot grown or for bedding purposes, or for hedge effect.

Price, 20 cents each; five for 90 cents; Two-year plants, 60 cents each; three for $1.50.

ANNA MULLER. The pink Baby Rambler; always in bloom.

BABY RAMBLER. Completely hides itself all summer; bright red.

CATHERINE ZEimet. The White Baby Rambler; extra.

ELLEN POULSON. Dark brilliant pink; fragrant; fine.

ERNA TESCHENDORF. Deep crimson flushed with carmine, very dark.

JESSIE. Bright cherry-crimson Superb.

LE PONCHEAU. Dark red in large clusters.

BABY TAUSENDHOEN. Its flowers are large, so much like Tausendschoen that it has been rechristened “Baby Tausendschoen.” It is a bush form of the “Climbing Tausendschoen.” or “Thousand Beauties,” having all the charm in the variable coloring in its flowers that its parent has, being firm white, delicately shaded to deep rosy-carmine. This is a splendid Rose. Try it.

BABY DOROTHY. (Pink Baby Rambler.) A prolific producer of flowers with all of the good qualities of Crimson Baby Rambler.

RUGOSA ROSES

The Rugosa Roses are natives of Japan, and are nearly all allied botanically to the microphylla Roses.

Hardy Perennial Plants

Plants of this class are perfectly hardy in the open ground; they die down to the ground but only to the ground in the winter; once planted they are a lasting pleasure. Failure with them is practically impossible. Orders should reach us by April 15th though in some seasons we can continue to supply this stock up to May 1st.

NOTE—We can only supply perennial seed of varieties where it is listed.

ACHILLEA (Yarrow Milfoil). Free flowering plants of easy culture and well adapted for the mixed hardy border. The Achilleas are very hardy and give a wealth of bloom the entire summer.

THE PEARL. Many white flowers in immense clusters; fine for cemetery planting...15 each.

Ageratum. June-August. Yellow, very fragrant flowers. Seed pkt., 6c; plants, 15c each.


ALYSSUM (Madwort).


Mixer Queen. Beautiful pale lemon blossoms. Plants, 20c each.


AQUELEGIA (Columbine). The Colombines are one of the most elegant and beautiful of the hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautiful divided foliage.

Coerulea. (Rocky Mountain Columbine.) 3 ft. One of the most beautiful of its class. Sepals, deep blue; petals white. Plants, 15c each.

Seed Mixed. Many shades and colors. Seed pkt., 8c; plants, 15c each; large clumps, 35c.

ASTER (Michaelmas Daisies.). Michaelmas Daisies now fill a most important place in all hardy flower gardens, with their masses and clouds of daintiness and brightly colored blossoms throughout the autumn months up to November, when flowers are scarce.

Mixed Varieties in the finest array of sizes and colors. Seed pkt., 8c; plants, 15c each; extra large clumps, 35c; collection of 4 varieties, 8c.

CARMEN MARIA. (Original Canterbury Bells.) The old-fashioned sort, with beautiful bell-shaped blossoms. We offer in four different colors or mixed. Dark blue, light blue, rose and white. Mixed, Seed pkt., 8c; plants, 15c each.

CARNATION. Popular favorites, which are deliciously fragrant color, if protected will live out over winter. Mixed, plants, 15c each.

DIANA (Giant Shasta). This is the largest of the Moon Flowers Family and was originated by Burbank, who experimented extensively with this flower. Seed pkt., 8c; plants, 15c each; large clumps, 35c.

COREOPSIS (Lanceolata Grandiflora). 2 to 3 feet. One of the most popular hardy plants. The flowers are of a rich golden yellow and of graceful form and invaluable for cutting. The main crop comes during the latter part of June but continues the entire summer and autumn. Will succeed in any soil. Seed pkt., 8c; plants, 25c each.

DOROTHY. Beautiful white flowers. Mixed, plants, 15c each.

DICENTRA SPECTABILIS (Bleeding Heart). And old-fashioned favorite; its long racemes of graceful heart-shaped flowers have always been attractive and is always at home in any part of the hardy border, and especially valuable for planting in the shade. Our stock of this perennial is the finest we have seen. Plants, 15c each; extra large clumps, 35c.

FOR COMPLETE LIST OF BEE SUPPLIES SEE PAGES 67 TO 73
Perennial Plants Continued

DIGITALIS (Fox Gloves). A handsome and highly ornamental plant of stately growth, succeeding under almost all conditions. Mixed Varieties. Seed pkt., 5c; extra large clumps, 25c.

OLD FASHIONED LARGE FLOWERING HARDY CHRYSANTHEMUM. We offer the fine large flowering varieties which have proven absolutely hardy in this latitude, having withstood the severe winters of 1911 and 1915 without injury. Autumn Glow. Rosy crimson. Plants, 20c each.

Golden Queen. Yellow. Plants, 20c each.

Victory. White. Plants, 20c each.

C gracefully. Pink. Plants, 25c each.

Indian Red. Plants, 20c each.

DAPHNIS EMILIA (Hardy Lavaters). Few flowers are so handsome as the perennial Lavaters, which supplies our gardens with a wealth of bloom which would be sadly lacking if it were not for these magnificent plants. Plants, 35c each.

We have a very fine mixture of seed saved from the above named sorts. Seed pkt., 8c.

FUNKIA SUPERCORDATA GRANDIFLORA (The White Plantain or Daisy Lily). Pure white, lily-shaped, fragrant flowers. 20c.

FUNKIA MAGNOLIUN VARIATE. Green and white foliage with lavender flowers 15c.

GAILLARDIA GRANDIFLORA (Blanket Flower). The center is dark red-brown, with rings of brilliant crimson-orange and vermilion. 15c; 3 for 25c.

Gypsophila (Baby's Breath). Graceful for hedges and border work. Panicles, 2 ft. July-August. Small flowers on branched stems so thick as to give the plant a lace-like effect. Seed pkt., 8c; plants, 20c each.

HOLLYHOCKS, MAMMOTH DOUBLE-FLOWERING. We offer seven colors. Will bloom the first year. 25c each; 3 for 65c.

HIBISCUS CRIMSON EYE. Belongs to the family of mallows, flowers six inches across; color pure white with pronounced eye of deep crimson. 25c.

Hemerocallis FLAVA (The Lemon Lily). This is entirely hardy and bears flowers of a lemon-yellow color. Very desirable. 15c.

Pyrrhotium HYDRIUM. This is the Daisy-flowering Feverfew. 15c each; 3 for 40c.

Plumbago LARPENTEA, or LADY LARPENT. Deep royal-blue flowers. This is an elegant plant. 15c each; 3 for 25c.

Rudbeckia LACINATA (Golden Glow). Grows 6 to 8 feet high, bearing hundreds of double yellow blossoms; very desirable. 10c each; 3 for 25c.

STOKESIA CYANEA, or COLUMBIA ASTER. Grows eighteen to twenty-four inches high, flowers lavender-blue; four to five inches in diameter, borne from June to October. 15c each; 3 for 40c.

LATRIPIUS (Hardy Sweet Pea). Showy free-flowering Hardy Perennial Climber for covering old stumps, fences, etc. Continually in bloom. Very fine for cutting.

Latiolius Albus. White. Plants, 15c each; postpaid.

Pink Beauty. Plants, 15c each; postpaid.

Rubra. Bright rosy crimson. Plants, 15c each; postpaid.

STANDARD LIST OF PHLOX

This is one of the most easily grown hardy perennials, and the large number of beautiful varieties now offered make it especially desirable. These noble flowers are not only beautiful as individuals but the cheerful appearance of our gardens during the summer and autumn months is much indebted to them.

Price. 20c each; any six for $1.00; twelve for $1.75.

ALCESTE. Deep violet, shading almost to blue.

ATHIS. Deep, clear salmon. Some claim this to be the showiest variety in cultivation.

B. COMTE. Brilliant French purple, with crimson-carmine shading.

BRIDESMAID. Pure white, clear carmine eye; blooms in large, round heads; attractive.

CONSOL. H. FROST. Deep rose color; large white eye.

COQUELICOT. The finest and brightest red all of the Phlox; the color is a bright orange-scarlet for five days as a bloomer.

ESCLARDMONE. Clear rosy-lilac, deeper eye, exquisitely rayed and shaded.

DUGIESCLIN. Rosy-lilac distinctly rayed with lighter halo.

GENERAL VON HEUTZE. Immense trusses of very large flowers; color of the most brilliant salmon-red, with white center; simply grand.

HENRY MARCEL. Dark violet-rose, white eye; distinct.

HENRY NURGER. Enormous pure white flowers, with very large showy, deep carmine center; fine florets and trusses.

PLATYCODON (Balloon Flower, or Japanese Bell-Flower). They form large clumps and are excellent for planting in permanent borders or among shrubbery. Grandiflorum. Large 2 ft. July and August, deep blue flowers. Seed pkt., 8c; plants, 20c each.

Grandiflorum Album. Large pure white flowers, very effective, double. 15c each; 3 for 40c.

Double Blue and Double White. These two varieties are among the newest acquisitions of the perennial border. Plants, 25c each.

White Pearl. New. Large sprays of the purest white flowers. Plants, 25c each.
Perennial Plants—Continued

POPPY (Oriental). 2 to 3 feet. For gorgeous coloring the Oriental Poppies have few rivals among the hardy plants. The flowers are immense and often measure 6 inches or more across. Color from light salmon to dark maroon. Seed pkt., 8c; plants, 25c each.

RUDBECKIA (Corn Flower). Somewhat resembling the Perennial Sunflower but having a more graceful and refined flower. It is a valuable ornamental, late summer and autumn flowering plant, and very valuable for cutting.

LAESTHATA Z. pl. (Golden Glow). A well known, popular plant of strong, robust growth. 6c each; postpaid, 15c each; postpaid.

PURPUREA, (Giant Purple Cone Flower). A most interesting hardy perennial, producing all summer long, showy reddish-purple flowers about 4 inches across with remarkably cone-shaped center of brown; thick set with golden tips of spireal lines. Makes a fine cut flower. Hardy as an oak. 30c each; postpaid.

LYKE KREEM. One of the most valuable of our summer flowers. It has charming shades of color and wonderful lasting properties as a cut flower. They flower in May and June and frequently in August and September. Price, 30c each; postpaid.

ULIGINOSUM STELLATUM. 3 to 4 ft. Very large giant daisy-like flowers in great profusion. The flowers are a glistening white with dark disk and most excellent for cutting. Blooming from August to September.

Plants 20c each.

DEBLEXED MIXED. Extra choice double flowering variety. Selected and grown from the finest hybrids. Plants, 25c each.

ROSEN Hybrid (Single Mixed.) Grown from a choice strain of seed from the originators of new varieties. Seed pkt., 8c; plants, 25c each.

SWEET WILLIAM (See Dianthus Barbatus), page 56.

TRITOMA (Torch Lily or Red Hot Poker). A handsome, showy border plant for sunny places. Grows on 3 to 4 feet stems, having the appearance of a plant with orange and colored spear heads. Requires protection during winter unless in very sheltered position. A very pretty one to put up the roots and store them in the basement during the winter. This flower is a rare beauty and will greatly repay you for what little trouble it may cause.

GRANDIFLORA. New Mixed Hybrids. Large plants, 25c each; postpaid.

MATRICARIA (Feverfew).

Little Gem. 1½ to 2 ft. A most useful summer-cutting flower with very beautiful white flowers from June to October. Seed pkt., 8c; plants, 20c each.

MYOSOTIS (Forget-Me-Not). It flourishes best in a moist, shady situation. Bright blue. Seed pkt., 8c; plants, 20c each.

PINKS (See Dianthus) page 80.

IRIS

NOTE—For convenience we will use “S” to indicate standards or upright petals of the flowers, and “F” the falls or drooping petals.

AGNES. S. White frilled with shaded lilac; F. white traced with lilac at the base or claw. A very beautiful variety. 20c each; postpaid.

BICORN KNIGHT. A rare and beautiful new Iris. S. Intense deep violet blue. F. Velvety purple, exceedingly rich and striking. Very late bloomer, scarce. 25c each; postpaid.

DELMATICA. S. Fine lavender. F. Clear deep laver- den. Flowers very large and extra fine. A superb variety for planting in the flower border. The true type is scarce. 50c each; postpaid.

HONORABILIS. S. Golden. F. Rich maroon brown and very effective. 50c each; postpaid.

QUEEN OF MAY. A lovely shade of rosy pink, tinted with violet. 20c each; postpaid.

IRIS KAEMPFERI (Japanese Iris). These magnificent Iris are among the most beautiful of all our summer flowering plants. The flowers rival orchids, some measuring 10 to 12 inches in diameter. Unnamed varieties 20c each; 50c half doz. Very choice named varieties in every color. 35c each; postpaid.

QUEEN EMMA. Pure white, faintly flushed blue, long tapering stem, and very long falls. Possesses a pleasing fragrance. 25c each; postpaid.

PEONIES—Hardy Everywhere.

"ARISTOCRAT OF FLOWERS"

The wonderful improvement made during recent years in these old-fashioned hardy plants has brought them into renewed popularity. The gorgeous flowers, which rival the finest Roses in size, form and color are produced in great abundance.

ANEMONEA FLORA BUBRA. Good size, deep brilliant rose, carps dark crimson; strong grower, tall free bloomer. 60c each; postpaid.

ANDRE LAURIES. Light red, prolific and beautiful. 60c each; postpaid.

FESTIVA MAXIMA. This is not only the finest white in existence, but may be regarded as the queen of all the white Peonies. Very grand cut flower variety, coming in bloom usually for Decoration Day. 60c each; postpaid.

FELIX CHROUSSE. Large globular brilliant red flowers. 25c each; postpaid.

GOLDEN HARVEST. One of the best varieties. 75c each; postpaid.

HUMELI. Immense late cinnamon scented flower of varnished pink. 50c each; postpaid.

LA SUBLIME. A very striking flower of deep, rich crimson color. A sure bloomer. 50c each; postpaid.

MONSIEUR JULES ELIE. Very large, compact, high crowned, pale lilac-rose color shading amber; yellow at the base. Very fragrant. Strong grower, early flowering, extra fine variety. 75c each; postpaid.

LA VELOUR. Large, compact salmon-rose type; dark salmon-rose with silvery tips. Free bloomer. 50c each; postpaid.

PRESIDENT ROOSEVELT. Very large, robust flowering. Dark red; one of the finest of its color. 75c each; postpaid.

The total color effect of the flower being creamy-pink; strong, delicate fragrance; 60c each; postpaid.
Bedding and House Plants

CHRYSANTHEMUMS

CAN BE SUPPLIED UP TO ABOUT JUNE 1
Price 20c each; any six for $1.00. The entire eight listed below for $1.20.
BLACK HAWK. An extra fine deep, crimson variety of the largest size; none finer of its color.
GOLDEN GLOW. Bright yellow of velvet finish. Flower ½ inches in diameter; very desirable.
GOLDEN WEDDING. Nothing finer among yellows; shines like burnished gold. The standard for measuring yellows; of mammoth size.
JOHN SHRIMPTON. A rich red that has many admirers; of the largest size. Extra.
LA VIEUX. A lovely shade of pinkish lilac. Very desirable.
PERCY PLUMIDGE. This grand variety has literally leaped into popularity. Flowers are so large as to startle you. The color shades from a few rows of lavender pearl to the richest pink.
ROBERT HALLIDAY. Flowers of mammoth size and deep golden yellow; really a wonder.
TIMOTHY EATON. The largest and grandest of all white mums; simply immense.

GERANIUMS

20¢ each; any six for 90c; postpaid.

ALPHONSE RICARD. Large, perfectly formed semi-double flowers of bright vermilion-red, are very freely produced in enormous trusses during the entire season.
BEAUTE POINTEVINE. The color is a beautiful shade of shrimp-pink, delicately shading to white; a most profuse bloomer the season.
JEAN VIAUD. Beautiful shade of mauve-pink, shading to their whiter shades; the trusses are enormous, sometimes measuring 6 inches in diameter. Extra fine.
MRS. E. G. HILL. A profuse bloomer of a soft, light salmon color; each petal bordered with a salmon-rose; will resist the heat of the sun; excellent for cut flowers.
LA FAVORITE. Flowers purest white; very free flowering; always a perfect mass of white; an old favorite, double, large flowers, perfect of dwarf and branching habit. A perfect bedder and pot variety.
S. A. NUTT. This is more generally used as a pot plant and for bedding than any other variety. The color is a handsome dark velvety scarlet with maroon shadings. A vigorous grower.

SWEET-SCENTED GERANIUMS

15¢ each; 3 for 40c; postpaid.

LEMON. The foliage is pronouncedly lemon-scented.
NUTMEG. Foliage has true nutmeg fragrance.
ROSE. The famous sweet rose-scented Geranium; very fragrant.

MONTHLY CARNATIONS

"THE DIVINE FLOWER"

Price, except Nebraska, 20c; each; any 3 of your selection 40c; postpaid.

BEST. The ground color is the finestest shade, lightly pencilled in soft pink. The bloom is fluffly in appearance, distinguished from others of its kind by a wonderful abundance of flowers. One of the grandest of all Carnations.

CHAMPION. By far the darkest Carnation ever seen, at the same time the most abundant bloomer, dark red, shaded with rich crimson on fringed petals, nearly all "flowers" being on a long stem. Surpasses in richness of color the most perfect Jacqueminot Rose.

MATCHLESS. Largest flowers of the purest immaculate white; large sized blooms. Valuable for garden planting and for pot culture. Very sweetly scented with delightful clove fragrance.

SENSATION. Certainly a grand pink Carnation of the largest size and deliciously scented.

NEBRASKA. This flower has caused a sensation among Carnation growers. It is the best red Carnation in existence. Monster flowers of the best and most lasting shade of rich, crimson-scarlet. Every flower is perfect. Is the finest bloomer of any of the Carnations. Price, 35c each; 5 for 1.25; postpaid.

COLEUS

GENERAL ASSORTMENT. We have a collection of 30 kinds of the most distinct sorts. Leave the selection of varieties to us, as it is hard to describe the various tints and shades. We have 12 for $1.00; 30 distinct varieties for $2.00; postpaid.

These are good bedding, standing the hot sun without losing their richness. Price of Coleus by the hundred when sent by express, $3.50, you to pay the express.

FLOWERING BEGONIAS

ARGENTEA GUTTATA. A handsome variety, foliage oblong, purplish bronze, marked with silvery gray spots and dashes. Flowers borne in large clusters, and of pure, wax-like whiteness. 25¢ each; postpaid.

GRACILIS LUMINOSA. Magnificent new species, exceptionally sturdy and vigorous; unquestionably one of the choicest bedding sorts. Flowers are large, perfect, plentiful and never out of bloom. Color is the brightest scarlet. 25¢ each; postpaid.

SANDERSONIA (Coral Begonia). Flowers bright scarlet. Almost always in bloom summer and winter. Excellent for vases, etc. 25¢ each; postpaid.

THURSTONI. Beautiful, stately plant; glossy foliage. Under side of leaves, purplish red; veinsigs very prominent. Upper side, bronzy green, shaded with crimson and olive, with glossy metallic lustre all over. Flowers beautiful shell-pink. 25¢ each; postpaid.

FUCHSIAS

"LADIES' EARDROPS"

Price, 20¢ each; the set of 4 for 70¢

BLACK PRINCE. This is, without question, the very finest Fuchsia grown for the amateur to cultivate. It makes a shapely bush, is robust in growth, free from disease and insects, and is probably the freest in blooming of all the different pink-colors.

ENFANT PRODIGY. A grand Fuchsia; bright red sepals, deep purple corolla.

MONROA. Of the largest size; scarlet sepals, double snow-white corolla.

SPECIOSA. Habit erect and compact, presenting a decided neat and attractive appearance as a pot plant. The fine star-shaped flowers are produced in profusion and begin when plants are quite young; tube and sepals bright rose, corolla brilliant carmine.

TENDER VINES AND CLIMBERS

THE WONDERFUL GIANT MOONFLOWER. (Ipomea Maxima). A giant in growth and flower, and wonderfully fragrant. This grand new Moonflower is a decided improvement over the old well-known variety, Ipomea Grandiflora. The flowers are twice as much larger than the size, oftentimes measuring from 6 to 7½ inches across. Its growth is very rapid when planted in good rich soil. Fine plants, 15¢ each.

GERMAN or PARLOR IVY. A rapid-growing plant, well adapted for training in the parlor. Leaves glossy green and flowers yellow, in clusters. 15¢ each.

SMILAX. A lovely house vine. 15¢ each.

VINCA MAJOR VARIEGATA. Fine for baskets and vases; green and white foliage. 15¢ each; large strong plants, 35¢ each.
OF: OSTRICH PLUME FERN (Nephrolepis Whittmani). Thrives perfectly in the warm atmosphere of living rooms. Combines graceful pluminess and charm with additional features of good shape, size, and growth.

BOSTON SWORD FERN (Nephrolepis Bostoniensis). This Fern has proven to be the most popular decorative plant. It is a rapid grower of very easy culture, soon forming a large, graceful plant.

THE ROOSEVELT FERN (Nephrolepis Roosevelti). In general characteristics it resembles the world-famous Boston Fern but it produces many more fronds than the Boston, thus making a bushier, handsomer plant in a 6-inch pot than any other Fern in a 10-inch pot.

TEDDY JUNIOR. The Fern for every household. It is a sport from the now famous Roosevelt Fern, and while its habits of growth is to produce a shorter frond it retains all the valuable characteristics of the parent plant. The fronds are broad and beautifully tapers from base to tip.

ASPARAGUS PLUMOSA (Climbing Lace Fern). Easily grown and very satisfactory for window and house culture; an extremely graceful window climber, bright green feathery foliage, as fine as the finest silk or lace.

ASPARAGUS SPRINGERI (Emerald Feather Asparagus). It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green feathery foliage.

BABY'S BREATH FERN (Nephrolepis Goodii). This has the finest foliage of all the ferns. It is so delicate and dainty in texture that baby's breath will set its fluffy foliage in motion.

FISH TAIL FERN (Nephrolepis Davallioides Furcans). This is a grand fern entirely distinct from any of the other varieties of Nephrolepis.

DWARF FERNS FOR FERN DISHES. We have selected a few of the hardest and most satisfactory varieties for filling fern dishes of which there is no prettier table decorations.

Price. Dwarf Ferns each 25c. Your choice any 3 60c; 6 for $1.50. Large size each 65c.

DWARF LANTANAS

Price, 15 cents each; the seven for 90 cents.

ALBA PERFECTA. Pure white.

COUNTLESS BLOOMS. Clear bright pink.

VERSICOLOR. Crimson line.

HARKETT'S PERFECTION. Variegated foliage; cream and pink flowers.

JAUNE D'OR. Cream and orange.

LEO DEX. Rich red.

MRS. SCHMIDT. Orange scarlet.

WEEPING LANTANA (A Weeping Plant of Great Beauty). One of the grandest basket plants grown.

Price, 15 cents each.

OSTRICH PLUME FERN

OLEANDERS

These shrubs are becoming immensely popular again. We are growing and selling them by thousands. No plant makes more handsome specimens in tubs for the veranda or yards. Can be wintered in the cellar. We have four colors.

LUTEA. Has double primrose-yellow. Scarce. 20c each.

ROSEA. Has double pink flowers. 20c each.

LILIAN HENDERSON. Has double white flowers. 20c each.

VARIEGATED. Has variegated foliage. 20c each.

THE FOUR DIFFERENT COLORS FOR 70 CENTS.

CANNA

The most popular decorative plant of the day. The earth should be spaded deeply and well enriched. After planting water sparingly until the plants have taken root and show good leaf growth.

ALLEMANIA. Grand color yellow, heavily dotted and overlaid with blood-orange. 5 feet.

FREDERICK BERNAY. Immense flowers; currant-red, bordered yellow, and pronounced orange throat. 5 feet.

INDIANA. Glistening golden-orange, lighted by dabs of old gold and faintly flecked and pencilled with deep rose. Single blossoms often seven inches across. 5½ feet.

FLORENCE VAUGHAN. Pure yellow dotted with red. 5 feet.

KING HUMBERT. Giant flowered; orange scarlet; bronze leaf. 4 feet.

PENNSYLVANIA. Intense vermillion-scarlet or pure red. The flowers are immense, often seven inches across, 3½ feet.

UNCLE SAM. The most stately of all Cannas; bears three or four enormous bunches of brilliant orange-scarlet flowers on each stalk.

KING OF BIRDS. This is by all means the best red flowered, green leaved canna today.

DAVID HUM. Bronze foliage, bright vermilion-scarlet, mottled with deep red, and with crinkly-edged petals. 5½ feet.

PRICES ON ALL CANNAS EXCEPT FIREBIRD.

Dormant Roots, 10c each; $1.00 per doz.; postpaid. By express, per doz., 75c; per 100, $6.00.

Started Plants ready May 10th, 15c each; per doz., $1.50; postpaid. By express, per doz., $1.25; per 100, $7.00.

Brugmansia

OR ANGEL'S TRUMPET

It grows easily, blooms freely indoors in winter and in the garden in summer. Has large, tropical leaves, with blooms eight inches long by six inches wide at the mouth, resembling a trumpet. Pure white in color and as fragrant as a Jasmine. Blooming plants, 35c each.

Peperomia Muscosa or Watermelon Begonia

A most beautiful plant for pot culture, easy to grow, and thrives anywhere; leaves deep olive-green, marked with silvery-white, thick and waxy-like; leaves variegated white and green.

Price, 10c each.

Leopard Plant

FARFUGIUM GRANDE

A decidedly striking and effective plant. Also known as the Leopard Fern. Fine for house culture; easy to grow. Also fine out of doors, hardy as far north as Tennessee. The leaves are ten to twelve inches across and are distinctly marked with creamy white and yellow spots.

Price, 50c each.
Summer Flowering Bulbs

...Plant in deep, rich soil, when the ground becomes warm. For earliest flowering the tender bulbs may be started in the house. For succession of bloom, plant up to June 1st. After fall frost, lift the bulbs, let them dry, and then removing the tops, store in a cool, dry place, away from frost, planting early in the spring.

CALADIUM ESCULENTUM. (Elephant’s Ear). A fine tropical plant, bearing immense leaves. Start as directed for canna, when growing you cannot make the soil too rich or keep it too wet. 15c each; 2 for 25c; postpaid.

KUDZU VINE (Jack-and-the-Bean-Stalk.). A most remarkable hardy climber. Starts slow but in a few weeks grows almost beyond belief. Foliage dark green. Fine for porches and arbors. Roots, small, 15c each; 3 for 40c; postpaid. Large roots, 35c each; by express.

MADERIA VINE. A rapid climber, twining to great heights. Thick, glossy leaves and feathery, very fragrant flowers. It grows anywhere, but does better in a warm, sunny location. It is also very pretty for training in the house. Strong tubers, 5c each; 3 for 10c; per dozen, 35c; postpaid.

REDYCHIUM (Butterfly Lily). Grows best on low, damp ground. Are much like Cannas, but the leaves are narrower and the flowers are produced from a close head. Blooms about 4 o’clock in the afternoon. Price, 10c each; 40c per dozen.

TRINIDAD DASHIEEN. The Trinidad Daseen belongs to the same family as the well known Elephant Ear of Caladium Esculentum so often grown all over the country for ornamental use in our gardens and somewhat resemble them but grow more upright. The shoots in early spring are often cooked like asparagus and make an excellent substitute for that vegetable. The tubers are much richer in food values than either Irish or Potato and are cooked in various ways. Price, small size, 10c each; large size, 20c each; postpaid. By express, small size, $6.00 per 100; large size, $15.00 per 100.

TUBEROSE. A beautiful white wax-like, very sweet-scented double flower growing on tall stems. 5c each; 40c per dozen postpaid.

DAHLIAS

Large, symmetrical double flowers having broad petals, incurring at the center. Blooms from August to freezing weather.

FRANK L. BASSETT. Color bright royal purple, shading to lavender-blue, an extremely early and profuse bloomer.

GOLDEN WEDDING. A giant flower. A deep golden-yellow, the same as found in the Golden Wedding Chrysanthemum. A gorgeous variety for the garden or for cut flowers. 35 cents.

JACK ROSE. In color it resembles the Jacqueminot rose. Profuse bloomer and splendid for cutting purposes.

SYLVIA. A beautiful deep pink, shading lighter to the center. A. D. LIVONI. Rich pink, finely formed; a very handsome flower.

ARABELLA. Very large and beautiful. Color soft primrose shaded with rose.

QUEEN VICTORIA. Large, rich golden yellow.

RED HUSSAR. Richest cardinal red, with long stems. Splendid for cutting.

MIXED DAHLIAS. Including some of the above varieties. 25c each; per dozen, $2.00; postpaid.

DAHLIA SEED. Single or double. Pkt., 5c; postpaid. Price of all Dahlias, except where noted, 30c each; $3.00 per dozen; postpaid. By express, $2.00 per dozen.

GLADIOLI

This is one of the best summer-flowering bulbs. It is a flower anyone can grow and is lovely enough to satisfy the most exacting. The flowering season may be for cut flowers, setting from the middle of April to the first of June. Set the bulbs 6 inches apart, and 2 to 4 inches deep.

AUGUSTA. Lovely pure white, blue anthers. 7c each; 40c dozen; postpaid.

AMERICA. The finest pink Gladiolus yet introduced; especially valuable to florists, spikes 2 and 3 feet long; flowers are large, open and spreading. Color delicate lavender pink. 7c each; 50c dozen; postpaid.

BARON HUSSAR. Dark puple-like violet. 7c each; 60c per dozen; postpaid.

BRENCLEYENSIS. Intense fiery scarlet. 7c each; 50c per dozen; postpaid.

MRS. FRANCES KING. Bright “Flamingo” pink, strikingly attractive. Flowers 4 to 5 inches across are borne on stalks 5 feet high. 7c each; 50c per dozen; postpaid.

SCARDALE or PINK BEAUTY. A beautiful deep pink variety, very early. One of the best. 7c each; 60c per dozen; postpaid.

NIAGARA. The best yellow. 10c each; $1.00 per dozen; postpaid.

GROFF’S HYBRIDS. The size and beautiful shadings of this strain give the greatest possible range of varieties. 7c each; 50c per dozen; postpaid.

GRISWOLD’S FINE MIXED. All colors and varieties. Every one a beauty. 5c each; 40c per dozen; postpaid.

GOOD MIXED. Especially recommended to make a good brilliant show in the garden for a small outlay. All bloomers. 4c each; 4 for 15c; 35c per dozen; postpaid, 50 for 80c; 100 for $1.50; by express at buyer’s risk.

BEE SUPPLIES

You will find a full list of BEE SUPPLIES on pages 67 to 73. We handle the A. I. Root goods, which we consider the best on the market in point of workmanship and material used. There is a good profit in Bees.

Remember, Small Orders receive the same careful attention as large ones.
Hardy Lilies

With the exception of Lily Candidum, which seems to prefer an open position, most lilies thrive best when planted in a semi-shaded position where the ground can be and a carpet of lawn grass. Planted among shallow-rooting soil and shelter. The bulbs should be planted from 6 to 8 inches deep with a little sand or moss under the base of each bulb. Candidum Superbum and Tigrinum can be supplied early from home-grown stock. The varieties coming from Japan we can seldom supply until the end of November, but can ship immediately upon their arrival here.

LILium CANADENSE. Wild yellow lily. Flowers vary in color—red and yellow. Grows 2 to 5 feet high and is a most hardy species. Nice to plant among shrubbery and does quite well in shade. June and July. 15c each; $1.50 doz.; postpaid.

LILium LONGIFLOREUM. Pure white, trumpet-shaped, flowers in June or July, very hardy. Can also be grown as a pot plant. Bulbs 25c each; $2.50 doz.; postpaid.

LILium SPECIOSUM MELPOMENAE. Words cannot describe the beauty of this variety. Frosted white, spotted, clouded, and bordered with pinkish crimson. Petals deeply recurved and widely bordered. 35c each; $3.50 doz.; postpaid.

LILium SPECIOSUM MAGNIFICUM. Rich Crimson. The finest colored of all Speciosums. 25c each; $2.50 doz.; postpaid.

AURATUM. (Gold Banded Lily.) Very large, white spotted crimson with broad yellow bands. 25c each; postpaid.

CANDIDUM. One of the best hardy lilies. Flowers pure white, large and of delightful fragrance. Blooms in June. 15c each; postpaid.

ELEGANS. Perfectly hardy and will succeed in most any position. Flowers large and showy, bright red, flushed orange, 1½ feet high. Blooms in June and July. 15c each; postpaid.

LILy OF THE VALLEY. Bearing slender stems set with tiny white bells, delightfully fragrant, do well in shady situations. Flower each season without any attention. 6c each; 2 for 13c; 40c per dozen; postpaid.

SPECTOSUM RUBRUM. White, beautifully spotted with red; very fragrant; flowers in August. This is one of the most useful lilies; perfectly hardy and flowering well under all conditions. 25c each; postpaid.

SPECTOSUM ALBUM. Same as the above but pure white. 25c each; postpaid.

SUPERBUM. Flowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom; a strong plant, bearing from 20 to 30 flowers. Blooms in July. 15c each; postpaid.

TENUIFLORUM. Vivid scarlet with reflexed petals. Very easy culture. 15c each; postpaid.

TIGRINUM SPLENDENS. The well known "Tiger Lily," grows from 4 to 5 feet high and bears an immense number of bright orange flowers spotted with black. Blooms in August. 15c each; postpaid.

TIGRINUM. fl. pl. A variety of the Tiger Lily with double flowers. 15c each; postpaid.

WALLACEI. Flowers rich, clear buff, spotted black, late bloomer. 15c each; postpaid.

FLOWER POTS

<table>
<thead>
<tr>
<th>Weight</th>
<th>Each</th>
<th>Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 in. 11 lbs., doz.</td>
<td>.08</td>
<td>.20</td>
</tr>
<tr>
<td>3 in. 5 lbs., doz.</td>
<td>.04</td>
<td>.09</td>
</tr>
<tr>
<td>4 in. 1 lb., each</td>
<td>.05</td>
<td>.09</td>
</tr>
<tr>
<td>5 in. 2 lbs., each</td>
<td>.07</td>
<td>.15</td>
</tr>
<tr>
<td>6 in. 3 lbs., each</td>
<td>.10</td>
<td>.20</td>
</tr>
<tr>
<td>8 in. 1 lbs., each</td>
<td>.12</td>
<td>.24</td>
</tr>
<tr>
<td>8 in. 5 lbs., each</td>
<td>.18</td>
<td>.36</td>
</tr>
<tr>
<td>9 in.</td>
<td>.25</td>
<td>.50</td>
</tr>
</tbody>
</table>

STANDARD FLOWER POTS AND SAUCERS

Sent by Express or Freight

We pack these carefully, but will not be responsible for breakage in transit.

FALL BULBS

In September of each year we import from Holland a large shipment of Fall Bulbs. These should be planted any time from the middle of September until the ground freezes. This list includes bulbs for outdoor planting and for planting in the house. Write for our Illustrated Bulb Catalog.

Our Fall Bulb Catalog Will Be Ready About Aug. 1st. Write for it.
Lawn Supplies

BUSY
As the name implies, is always busy. Top, galvanized iron, base steel. Price, postpaid, $1.50; not postpaid, $1.25.

WOODEN HOSE MENDERS
4-in. and 1-in. only. Price, per doz. 1-in. 30c Postpaid. Price, per doz. 2-in. 35c Postpaid.

THE IDEAL DANDELION KILLER
This new Dandelion Killer is a tube 1 inch in diameter and 38 inches long. It has a screw cap at the bottom for filling and a valve which lets out about one teaspoonful of liquid to each plant. Simply fill the tube with gasoline and you can kill the dandellions as fast as you can walk around over the lawn. Price, postpaid, $1.25; not postpaid, $1.10.

THE "FROG" SPRINKLER
The Frog Sprinkler is a novelty which we have just added to our line. It is a one-piece iron sprinkler. It throws a generous, finely distributed spray and, having no loose parts, it cannot get out of order.

The Frog is painted green with gilded eyes and is attractive on any lawn. It stands 4½ inches high on a sled allowing it to be dragged over the ground without tipping over. Price, $1.10, postpaid; $1.00, not postpaid.

BABY RING
As gentle and even as the rain drops. Top made of brass; bottom heavy galvanized iron. Price, postpaid, 80c; not postpaid, 65c.

The Ring Lawn Sprinkler
One of the Really Good things. Made entirely of brass. No moving parts. Nothing to get out of order. More beautiful than a fountain; more efficient than a shower. Price, postpaid, $1.15; not postpaid, $1.00.

ALLEN

GALVANIZED STEEL HOSE CLAMPS
Galvanized Steel Hose Clamps are made of heavy sheet steel, and galvanized by a superior process which effectually prevents rust within a reasonable length of time. They are strong and serviceable and have lugs which engage the hose jaws, making it an easy matter to tighten the clamp onto the hose. Price 7c each; 65c per dozen; postpaid.

Beautiful Lawns

A rich velvety lawn with a background of Beautiful Ornamental Shrubs enhances the value of a home and gives to it the natural artistic setting that we so much admire.

TO MAKE A GOOD LAWN. Nothing is more easily made and kept in order by a little well directed care. To get grass seed up quickly and evenly the surface must be mellow and level with at least six inches of good black soil. Sow one pound of Griswold Special Lawn Mixture to every 400 square feet and rake the seed in and roll well, or use a wide board until soil is uniformly firm.

LINCOLN BRAND LAWN GRASS MIXTURE
A mixture adapted to our hot, dry climate. It is composed of Blue Grass, White Clover, and several other best lawn grasses. Some of these come early, some grow best during the summer, some grow well in the shade while others make their growth in the fall. In this way one has green grass the whole season. One pound covers 400 square feet (a space 20x20 feet) for new lawns, and half this amount for re-seeding old ones. Per lb., 90c; 5 lbs., $2.50; postpaid. By freight, 1 lb., 55c; 5 lbs., $2.25.

FULLY GUARANTEED LAWN HOSE

Testoide Non-Kinkable Hose
Light—Strong—Flexible
An Indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot unwrap, kink or burst. Made in continuous lengths up to 500 feet, which gives on any length you want and avoids leaky couplings. Price, 3-inch size, per ft. 22c.

REGULAR GUARANTEED HOSE
Will be replaced if not satisfactory $0.60. Hose Gaskets (rubber washers) dox. 10c
Braided Hose (indestructible) ........................................ 2c per ft.

FANCY KENTUCKY BLUE GRASS
Best grade of fancy, clean, new crop tested seed. Per lb., 40c; 5 lbs., $1.75; postpaid. By freight, 1 lb., 35c; 5 lbs., $1.50; 10 lbs., $2.35.

WHITE CLOVER

This is just the seed to sow on the bare spots in your yard or lawn where a very quick green covering is desired as it will cover better in ten days' time than grass seed will cover in two months. 35c per lb.; postpaid. By express or freight, 75c per lb.; 5 lbs., $3.50; 10 lbs., $6.50.
Sprayers

No. 306B. This pump is made in a first-class manner. All parts that come in contact with the liquid are of heavy brass. It can be easily and solidly bolted to any barrel. The air being compressed into the air chamber with a 2-inch all brass cylinder makes the spray continuous. A mechanical agitator and small jet of liquid from the pump keeps the ingredients thoroughly agitated. It sprays whitewash, kalsomine, water, paints and any other liquid. Fitted with 15 feet of best 5-ply rubber hose and graduated Vermorel nozzle complete as cut (except barrel). **Price, $18.00.**

**MYER'S DUPSEx Back GEARED DOUBLE ACTING SPRay PUMP**

No. R-316. This pump is built especially for heavy work. The 2-inch cylinder is brass lined. The plunger is brass, bempacked, and piston rod is brass. You can use any material hot or cold. It is fitted with large air chamber pressure gauge, with 50 gal. bbl. mounted on skids with pressure gauge. One 15-foot lead of 3/4 inch 7-ply discharge hose, 1 Fembro Nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Special features of this outfit are cog Gear Movement, Increased Leverage Device for spraying under heavy pressure. Mounted complete, occupying smallest space. Capacity sufficient for eight nozzles. Well adapted for spraying potatoes or other vegetables in rows. **Price, complete, $60.00.**

No. R-309. Same as R-316-B without barrel and skids. **Price, complete, $37.50.**

**MYER'S KNAPSACK SPRAY PUMP**

No. 330-P. The tank holds 5 gallons. The pump has a large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can set the pack on the ground and work as a bucket pump. The handle lever can be shifted from right to left shoulder at will. **Price, $18.00.**

**O. K. SPRAY**

No. 307. For hot, cold or any kind of mixture. Has a mechanical agitator solid brass ram, plunger, round bevel valve and seat. A strictly reliable first-class pump for spraying orchards or potatoes. Easily adjusted to barrel of any size. Handle is of wrought steel, so as to enable the operator to get up a pressure of 200 lbs. or more. It is fitted for 2 strings of discharge hose. **Price, without hose or nozzle, as cut (without barrel), $37.00.** Two 15-ft. discharge rose and 2 graduated nozzles, $12.00 extra.

**COG GEAR BARREL SPRAY PUMP**

No. R-318 has bronze ball valve and brass seats. The plunger is brass fitted with hemp packing for eight nozzles. Will handle hot, cold or any caustic mixture. The cylinder discharge pipes are all brass. The air chamber is 32 inches in length, enabling the pipe to throw a uniform, constant elastic spray. It has good leverage, is very powerful and is easily operated. The malleable iron base fits an 8x8 inch hole. **Price without hose or nozzle or barrel, $16.00.** Fitted with one lead of 15 ft. hose with graduating vermorel nozzle, $21.00.

**LITTLE GIANT**

No. 377A. A Brass Spray Pump complete with agitator hose, fine and coarse spray and solid steam nozzle with malleable foot rest. Will throw a stream 50 feet. 23 inches high, made of 1/2-inch brass tubing. **Price, $6.25.**

**NO. 31, IDEAL SPRAYER**

The original wheelbarrow spraying outfit. One of the most popular "one man" machines made. The Ideal is well designed and built for durability and convenience of operation. As light as possible and still allow ample strength in the completed machine. All working parts coming in contact with the liquid are made of brass. We have this sprayer in two styles. No. 31 with air pressure tank, as shown in cut, and No. 30 without the tank. In using No. 31 you can pump up a pressure of 150 lbs. and the machine will operate about 5 minutes without further pumping. **Price, No. 31, $32.50; No. 30, $25.00.**

**EXTENSION PIPES**

<table>
<thead>
<tr>
<th>Length of Pipe</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-foot Iron Extension Pipe</td>
<td>$0.90</td>
</tr>
<tr>
<td>8-foot Bamboo Extension Pipe, with cutoff</td>
<td>$4.33</td>
</tr>
<tr>
<td>10-foot Bamboo Extension Pipe with cutoff</td>
<td>$5.00</td>
</tr>
<tr>
<td>12-foot Bamboo Extension Pipe with cutoff</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

A SPECIAL PIPE to fit Nos. 27, 329, 307, and for Myer's Knapsack, for spraying under leaves of Musk Melons or Cucumber Vines, 50c each.

SPRAYS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE
Sprayers--Continued

SPRAY YOUR TREES
WRITE FOR COMPLETE SPRAY CATALOG OF SPRAYERS, SPRAY MIXTURES AND CALENDAR.

EASY SPRAYER
This sprayer holds one gallon of liquid, is equipped with automatic shut-off lever nozzle, and made of heavy galvanized iron. Just as good as the larger sprayers only for size. Price, by express $3.50.

NO. 202 MIDGET JUNIOR
A small, well made sprayer for house and use. Will handle all kinds of liquids perfectly. The pointed nose of the pump passing through the tank makes it a very strong sprayer. Price, 40c; postpaid, by express, 50c.

KANT KLOG
The sprayer holds over 4 gallons. The air pump is made of heavy brass 2 inches in diameter. A safety valve is provided. Special attention is called to the new "Kant Klog". The first and only nozzle ever made which gives both flat and round sprays or solid sprays. A Light pressure of the thumb starts the spray instantly. Price, Galvanized Steel and 3 feet brass extension rod, $6.25; Polished Brass and 3 feet brass extension rod, $9.50.

PERFECTION SPRAYER
Built on the best lines, of high grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many Knapsack sprayers. The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is 1-inch 5-ply cloth inserted and is equipped with our automatic shut-off nozzle. This sprayer will handle Whitewash, Water, Paints, Bordeaux Mixtures etc., perfectly. These sprayers are made in galvanized steel or brass as ordered. All sprayers tested to 60 lbs. before leaving factory. Galvanized Steel......$6.50 All Brass......... 9.00

NEW MISTY
Made of heavy tin; has the same size air chamber as our other styles, and the reservoir holds about one quart and throws a single spray straight ahead. Price, postpaid, 60c; by express, 50c.

ACME POWDER GUN
Sprays powdered insecticides. It weighs 14 pounds. Price, by express, $1.25.

THE MYERS POWER SPRAY GUN
LENGTH OVER ALL 24 INCHES
Utilizes the Entire Capacity of any Power Spray Pump and does away with all Bamboo Extensions, Nozzles and Fittings
Fig. 1824 illustrates the Myers Power Spray Gun designed for use with any Power Spray Pump. Its capacity is only limited by the quantity of material discharged by the pump. The idea is to enable one man to do the spraying, thus saving the expense of two or three men as is the case with the ordinary spray rig using two lines of hose with bamboo extensions.
By a one-third turn of the handle the spray can be adjusted from a long distance spray reaching the top of the tree to an extremely broad spray sufficient to cover the entire tree or shut off entirely.
It is furnished with three separate discs designed to deliver the entire capacity of the pump, either 4, 6 or 8 gallons per minute.
One-third turn of the handle adjusts the spray from a wide open nozzle to a complete shut-off of the mixture.
Fig. 1824

Fitted for ⅜-inch Hose Coupling and ¼-inch Pipe. Price, $10.50.
Spray Mixtures and Insecticides

Where the packed mail weight is given the goods may be sent by Parcel Post. If no mail weight is given they can only be sent by express or freight.

ARSENALE OF LEAD—POWDERED

A poison taking the place of Paris Green. Its advantages are that it adheres to foliage, does not readily wash off by rain and does not injure tender foliage. It is white in color and shows just where it has been applied. Price, 1-lb. tin, 40c; 5-lb. tin, $1.75; 12-lb. pail, $5.50; 30-lb. bucket, $65.00; 50-lb. bucket, $125.00; 100-lb. keg, $24.00.

ARSENALE OF LEAD—POWDERED

May be used as either a dust diluted with hydrated lime, plaster or road dust, or as a liquid spray with water, lime-sulphur, solution or Bordeaux, only half the weight is needed as of the paste form. Price, 3 lb., 35c; 1 lb., 60c; 5 lbs., $3.25; 10 lbs., $5.25; 25 lbs., $12.50.

TOBACCO DUST

One of the best remedies for green and black aphids, fleas, etc. Price, 1 lb. net, 25c; 10 lbs., $2.50; 50 lbs., $12.50.

FISH OIL SOAP

(Whale Oil Soap.) A wash for insects and eggs on the bark and for swarming the trunks of trees to prevent worms from crawling up. Price, 25c per lb.; (small weight, 2 lbs.); 5 lbs., 25c; (small weight, 6 lbs.); 10 lbs., $1.65.

KEROSENE EMULSION

This is a safe and sure remedy to kill all sucking insects, that is those which get their nourishment through a proboscis, which they insert into the leaves or bark. Price, 1 qt., 35c; gal., $1; by express, 50c.

BUG DEATH

This is a powder used for killing any bug or worm that defaces the foliage or flowers of any plant. It is absolutely harmless to plant or animal life, thus making it a safe poison. Can be used dry on all plants. For best satisfaction should be used when the hibernating insects come. Price, 1 lb. package, postpaid, 25c; not postpaid, 16c; 5 lbs., 50c; 10 lbs., 75c 50 lbs., $3.50; 100 lbs., $6.00.

SLUG SHOT

Just dust it lightly on the plants. It kills potato bugs, cabbage worms, mealy, squash and cucumber bugs. Non-poisonous and harmless to all creatures except insect life. Price, 1 lb. can, postpaid, 25c; not postpaid, 20c; 5 lbs., not post-paid, 45c; 10 lbs., 60c.

HAMMOND'S GRAPE DUST

Kills certain Mildews and Blights on Flowers or Fruits, Roses, Chrysanthemums, Violets, Grapes, Gooseberries, Music Melon, Onion Smut, Rust Mite on the Cabbage, Rust or Mite on the Pepper and on the Grape. A regular dusting is a practical, economical and usually effectual remedy. The application is to be made by dusting the diseased portions of the plant. Price, 1 lb. can with perforated top, 25c postpaid; not postpaid, 1 lb. 25c; 5 lbs. 65c; 10 lbs. $1.15.

CROP PROTECTION

Our customers spend considerable money and labor for seed and planting,—for the returns expected from a large and profitable crop; but frequently the crop is cut to a considerable extent, by the ravages of insects. Crop Protection means destroying the insects, and at the right time.

CALCINUM ARSENATE will overcome your insect troubles. This is an arsenical poison of superior strength, prepared in dry powdered form for dusting or mixing with water to control of garden pests.

Prices of Insecticides and Spray Mixtures Subject to Change
Pest Exterminators

The postal laws of our land are such that we cannot send poisonous exterminators through the mails. We suggest that if you wish any of the small packages that you include them with your seed order and have them sent by express. Where we say prepaid we also mean prepaid.

NOX-EM-ALL GOPHER TABLETS
Kills Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and other Rodents.
Don't let the Pocket Gophers ruin your alfalfa fields. Don't let the Ground Squirrels spoil your corn stand. Don't permit the prairie dogs to lay waste your fields that would otherwise produce crops. It's easy to poison them. A little time in the early spring will rid your farm of these destructive pests.

NOX-EM-ALL GOPHER TABLETS
are the most effective poison we know. They are sure death to Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and other field Rodents. They are made of tidbits especially attractive to these pests which eat them greedily. They are easy to use—sure in results. Buy them—use them and save your crops. Directions printed on each package.

Put up in two sizes:
200 tablets $0.50
500 tablets $1.00

RAT CORN

If you have Rats or Mice use Rat Corn. No matter whether you have one rat or a thousand Rat Corn will do the work. One can of Rat Corn is better than a dozen cats. It mummifies your rodents; they leave no odor; become hard and dry like leather. Is not dangerous to handle. Harmless to human beings. Price, 25c; 50c and $1.00; postpaid.

CARBOLA

USE CARBOLA, THE GERM-PAINT, INSTEAD OF WHITETRASH

Carbola is a mineral pigment combined with a germicide twenty times stronger than pure carbolic acid, but it is absolutely non-poisonous and non-caustic.
Carbola is ready the minute you mix it with cold or hot water. It does not spoil by standing, so can be kept on hand for use when convenient or on a rainy day. It does not flake or peel.
You apply it with a brush or sprayer. Carbola never clogs the sprayer. It is used by thousands of poultrymen, dairymen and farmers in all sections of the United States and by many experiment stations and agricultural colleges.
Carbola is so easily prepared and applied that you can easily keep your poultry houses, stables, dairies, cellars, etc., thoroughly sanitary and attractive in appearance at all times.

Your money back without an argument if it is not what we claim.
10 lbs. (80 gals.), $1.00 and postage: 50 lbs. (50 gals.), $2.00 delivered; 100 lbs. (100 gals.), $4.00, delivered. Trial package (covers 250 sq. feet) and booklet for 25c, postpaid.

MAKE 25c IN FIVE MINUTES, SEE PAGE 21

Remember! Small Orders Receive the Same Attention as Large Ones
Beekeepers Supplies

The highest standard of excellency in material and workmanship is found in our beekeepers' supplies. The best is always the cheapest. Our goods are sure to please. Prompt and careful attention given to all orders whether large or small, and mistakes promptly corrected.

The following prices are not postpaid.

OUR GUARANTEE—We absolutely guarantee our goods to be manufactured of the best material and workmanship. After examining, if our goods are not as represented, write us giving a careful explanation of the defect, and then, on our order, the goods may be returned at our expense and we will refund your money with all transportation charges you have paid. If preferred, we will replace the order free of charge.

ROOT HIVES

These are single-walled, made of the best selected white pine, 3/4 inch thick, and lock-cornered, or dovetailed, together to insure strength and squareness of fit. Tin rabbets for the frames to rest upon are furnished with all hive bodies, but not with supers.

We do not furnish division-boards in any of our standard hives as regular equipment because most beekeepers do not use them. When wanted, these must be ordered as an extra.

For convenience of beginners who do not know how to make up hive combinations and hive parts we are listing certain of the more popular combinations with prices. After one becomes familiar with the business he can make up any combination he desires. The hive below is a brood-chamber with cover and bottom, the basis of every combination. Any style of super or upper story may be ordered in connection with this to make a complete hive.

In all hive and accessory quotations, N means nailed and K. D. knocked down, or in flat.

ONE-STYLE STANDARD HIVE

While this hive is made either in eight-frame or ten-frame size, we recommend the ten-frame. Nails and tin rabbets are included with all hives. Hand-hole cleats omitted unless ordered. The eight-frame size measures 13 3/4 x 20 inches, and 9 9/16 inches deep. The ten-frame hive is 16 3/4 x 20 inches, and 9 9/16 inches deep.

PRICE LIST OF ONE-STYLE STANDARD HIVE

No Super or Upper Story Included with this Combination. Includes Reversible Metal Cover, Inner Cover, Hoffman Frames, No Division Board. Order comb foundation separately for hives KD, shown on page 72.

<table>
<thead>
<tr>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>No foundation</td>
<td>1 N</td>
</tr>
<tr>
<td>No foundation</td>
<td>1 KD</td>
</tr>
<tr>
<td>No foundation</td>
<td>5 KD</td>
</tr>
<tr>
<td>Inch foundation starters</td>
<td>1 N</td>
</tr>
<tr>
<td>Full sheets foundation</td>
<td>1 N</td>
</tr>
</tbody>
</table>

If a cheaper outfit is desired the Excelsior cover (page 70) may be substituted for the metal cover at a reduction of 20 cts, each, either N or KD. When so ordered, designate with a "1" instead of a "3" in the second figure of combination number.

TWO-STANDARD HIVE FOR EXTRACTED HONEY

The two-story hive is very convenient for the man who has not much time to spend with his bees, as the farmer and fruit grower. One of the greatest objections of the farmer against beekeeping is that he cannot afford to waste any time fussing with swarms. He would be willing to keep bees if he could place a few colonies in his orchard without having the " everlasting swarming." This difficulty may be largely overcome by the use of this hive run for extracted or chunk honey.

This is the same as the one shown above except that it is two-story, one body with frames over the other. It has the same reversible bottom, cover and frames.

Price List of Two-story Standard Hive for Extracted Honey in Deep Frames

Equipped with reversible bottom, metal cover, inner cover, frames, but no division-board. Order comb foundation separately for hives KD, shown on page 72.

<table>
<thead>
<tr>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>No foundation</td>
<td>1 N</td>
</tr>
<tr>
<td>No foundation</td>
<td>1 KD</td>
</tr>
<tr>
<td>No foundation</td>
<td>5 KD</td>
</tr>
<tr>
<td>Inch foundation starters</td>
<td>1 N</td>
</tr>
<tr>
<td>Full sheets foundation</td>
<td>1 N</td>
</tr>
</tbody>
</table>

If you do not have a swarm on the farm, it is advisable in most cases to get one. See that it goes into winter on good condition and next spring be ready to care for other swarms. In this way a shortage of sugar need have no terrors for you.

Our Prices and What They Include.—Before comparing our prices with those of any of our competitors, notice carefully what we furnish with our regular equipment. Note in particular the superior cover that we furnish, which will outlast many times any wood cover made.

The use of comb foundation in frames and sections is important and should not be omitted but the foundation should be ordered separately instead of being included as a part of a complete hive. Sections also should be ordered in regular packages. Additional sections and foundation will be needed when first lot are taken off the hive. It is better to consider these items separately as necessary extras rather than as part of a complete KD, hive.
### STANDARD HIVES FOR COMB HONEY IN PLAIN AND BEEWAY SECTIONS

The following hive combinations are made up of the same hive body or brood-chamber, same bottom-board, and same cover, as the preceding combinations, but differing in the respect that the second story or super is fitted with section-holders and sections with the necessary separators or fences for the production of comb honey. There are several different styles of comb-honey supers, but the ones most commonly used are the 4½x4½x1½ plain or no-beeway the 4½x4½x1½ slotted or beeway, and the 4x4x1½ plain or no-beeway. If two story hives are wanted in this style, order an extra super for each hive. Price of supers on page 69.

#### Price List of Hive Taking 4½x4½x1½ Plain or No-beeway Sections

<table>
<thead>
<tr>
<th>Combination</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No foundation; no sections in super</td>
<td>$7.25</td>
<td>$7.65</td>
</tr>
<tr>
<td>No foundation; no sections in super</td>
<td>$5.00</td>
<td>$5.20</td>
</tr>
<tr>
<td>No foundation; no sections in super</td>
<td>$22.65</td>
<td>$23.90</td>
</tr>
<tr>
<td>Inch starters in frames and sections</td>
<td>$7.95</td>
<td>$8.40</td>
</tr>
<tr>
<td>Full sheets in frames and sections</td>
<td>$8.30</td>
<td>$10.70</td>
</tr>
</tbody>
</table>

### Price List of Hive with One Shallow Extracting Super, 5 11/16 Inches Deep

Equipped with reversible bottom, metal cover, inner cover, frames, but no division-board.

Order comb foundation separately for hives KD, shown on page 72.

<table>
<thead>
<tr>
<th>Combination</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No foundation</td>
<td>$7.15</td>
<td>$7.50</td>
</tr>
<tr>
<td>No foundation</td>
<td>$4.80</td>
<td>$5.10</td>
</tr>
<tr>
<td>No foundation</td>
<td>$22.20</td>
<td>$23.55</td>
</tr>
<tr>
<td>Inch foundation starters</td>
<td>$7.50</td>
<td>$7.90</td>
</tr>
<tr>
<td>Full sheets foundation</td>
<td>$9.75</td>
<td>$10.20</td>
</tr>
</tbody>
</table>

### Eight-Frame TEN-FRAME

#### Price List of Hive for Comb Honey in 4½x4½x1½ inch Plain Sections

<table>
<thead>
<tr>
<th>Combination</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No foundation; no sections in super</td>
<td>$7.05</td>
<td>$7.45</td>
</tr>
<tr>
<td>No foundation; no sections in super</td>
<td>$4.80</td>
<td>$4.90</td>
</tr>
<tr>
<td>No foundation; no sections in super</td>
<td>$21.75</td>
<td>$22.50</td>
</tr>
<tr>
<td>Inch starters in frames and sections</td>
<td>$7.80</td>
<td>$8.20</td>
</tr>
<tr>
<td>Full sheets in frames and sections</td>
<td>$10.15</td>
<td>$10.50</td>
</tr>
</tbody>
</table>

1½-story Hive for Comb Honey in 4½x4½x1½ inch Plain Sections

What is said about the Root hive on page 67 applies, of course, to Root hive bodies. The ten-frame size, measures 19½x20 inches and is 9 9/16 inches deep. The eight-frame size is 13½x14 inches and 9 11/16 inches deep, using the same frames. The hive-body may be used either as a brood chamber, i.e., the lower story of the hive, or as a full-depth upper story or super for extracted honey, thus forming a two-story hive as listed on page 107.

The Danzenbaker hive is made only in the ten-frame size and measures 15½ x 20 x 7½ inches deep. It is furnished with closed-end frame, which, being supported by pivots in the middle of each end-bar, are reversible. A division-board is furnished with this hive, it being necessary to hold the frames tightly together.

Danz. hive-body in ten-frame size only, is same price throughout as the standard eight-frame hive-body.

**Price List of Standard Hive Body of Brood-Chamber, 9 9/16 Inches Deep.**

Nails and tin rabbittes included with bodies. No division-board unless so ordered.

Order comb foundation and sections separately for hives KD, shown on page 72.

<table>
<thead>
<tr>
<th>Combination</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty Standard body without frames</td>
<td>$1.35</td>
<td>$1.45</td>
</tr>
<tr>
<td>Empty Standard body without frames</td>
<td>$1.05</td>
<td>$1.10</td>
</tr>
<tr>
<td>Empty Standard body without frames</td>
<td>$4.65</td>
<td>$4.95</td>
</tr>
<tr>
<td>Standard body with frames, no foundation</td>
<td>$2.65</td>
<td>$2.90</td>
</tr>
<tr>
<td>Standard body with frames, no foundation</td>
<td>$1.80</td>
<td>$1.90</td>
</tr>
<tr>
<td>Standard body with frames, no foundation</td>
<td>$7.95</td>
<td>$8.06</td>
</tr>
<tr>
<td>Standard body with frames inch starters</td>
<td>$2.90</td>
<td>$2.96</td>
</tr>
<tr>
<td>Standard body with frames, full sheets</td>
<td>$4.95</td>
<td>$6.90</td>
</tr>
</tbody>
</table>

**Increasing Prices.—While the prices listed herein are in nearly every case quite a little higher than were named on the same articles a year ago, the existing conditions fully warrant this advance. Lumber has advanced more than fifty per cent in the past eighteen months and sheet steel, tin plate, and other metals have increased to three and four times their former value. While your supplies cost you more you are also getting from fifty to one hundred per cent more for your money. In other words the value of the dollar, our measuring medium, has been greatly reduced because of the greatly increased volume of dollars in circulation. 1/4**
BEEKEEPER'S SUPPLIES—Continued

SHALLOW EXTRACTING SUPERS 5 11/16 Inches Deep

Used in the production of chunk honey. Also for preserving extracted honey in shallow frames, two frames fitting together in an extractor comb-pocket of 12-inch width. These supers may also be used as one brood chamber, such being called a sectional or divisible brood-chamber hive, and any style of super may be used above for comb or extracted honey. The same depth of super is used with section frames for the 4 1/4 x 4 1/4 in. section, and with hanger cleats added, for shallow Danzenbaker frames or section-holders taking the 4 1/2 x 1 1/2 in. section. This is our regular extracting super, 5 11/16 inches deep, and is furnished with shallow Hoffman frames, 5 1/2 inches deep, with or without foundation.

Price List of Shallow Extracting Supers or Sectional Brood-Chamber, 5 11/16 Inches Deep

Furnished empty or with frames. No tin rabits or division boards furnished. The same super fitted with shallow Danzenbaker frames would cost 6 cents each more.

| Order comb foundation separately for supers KD, shown on page 73 |
|---|---|---|
| Description | EIGHT-FRAME | TEN-FRAME |
| | Quan. | Cat. No. | Price | Quan. | Cat. No. | Price |
| Empty super body, no frame | 1 N | C10041 | $0.95 | C20041 | $2.05 |
| Empty super body, no frames | 1 KD | C10042 | 1.30 | C20042 | 1.40 |
| Super with shallow frames, no foundation | 5 KD | C10043 | 5.75 | C20043 | 6.10 |
| Super with sections, 1-inch starters | 1 N | C10044 | 2.50 | C20044 | 2.60 |
| Super with sections, full sheets | 1 N | C10047 | 3.10 | C20047 | 3.25 |

Price List of Plain Section Super for 4 1/4 x 4 1/4 x 1 1/2 Plain Sections, 4 1/4 Inches Deep

Super complete without sections includes nails, flat tins, bevel cleats, end-stops, super springs, plain section-holders, and fences. For empty super see next price list.

Order comb foundation and sections separately for Supers KD, shown on page 72.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>1 N</td>
<td>C10041</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>1 KD</td>
<td>C10042</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>5 KD</td>
<td>C10043</td>
</tr>
<tr>
<td>Super with sections, 1-inch starters</td>
<td>1 N</td>
<td>C10044</td>
</tr>
<tr>
<td>Super with sections, full sheets</td>
<td>1 N</td>
<td>C10047</td>
</tr>
</tbody>
</table>

Price List of Slotted Section Super for 4 1/4 x 4 1/4 x 1 1/2 Beeway Sections, 4 1/4 Inches Deep

Super complete without sections includes nails, flat tins, slotted section-holders, slotted separators, follower, super-springs.

Order comb foundation and sections separately for supers KD, shown on page 72.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>Empty super only, no fittings</td>
<td>1 N</td>
<td>C10051</td>
</tr>
<tr>
<td>Empty super only, no fittings</td>
<td>1 KD</td>
<td>C10052</td>
</tr>
<tr>
<td>Empty super only, no fittings</td>
<td>5 KD</td>
<td>C10053</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>1 N</td>
<td>C10051</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>1 KD</td>
<td>C10052</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>5 KD</td>
<td>C10053</td>
</tr>
<tr>
<td>Super with sections, 1-inch starters</td>
<td>1 N</td>
<td>C10054</td>
</tr>
<tr>
<td>Super with sections, full sheets</td>
<td>1 N</td>
<td>C10057</td>
</tr>
</tbody>
</table>

4 1/2 x 1 1/2 PLAIN SECTION SUPER

We recommend this super in preference to any other comb-honey super that we sell especially in the ten-frame size. This is a deeper super, 5 11/16 in. high, and is furnished with hanger cleats to support section-holders and M. fences with end wedges and springs. The regular 1 1/2 in. ten-frame width will easily admit eight section-holders and eight fences with super springs.

Price List of Section Super for 4 x 4 x 1/2 Plain Sections, 5 11/16 Inches Deep

Super complete without sections includes hanger-cleats, end-stops, section-holders, fences, super springs, and nails.

Order comb foundation and sections separately for supers KD, shown on page 72.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>1 N</td>
<td>C10061</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>1 KD</td>
<td>C10062</td>
</tr>
<tr>
<td>Super without sections or foundation</td>
<td>5 KD</td>
<td>C10063</td>
</tr>
<tr>
<td>Super with sections, 1-inch starters</td>
<td>1 N</td>
<td>C10064</td>
</tr>
<tr>
<td>Super with sections, full sheets</td>
<td>1 N</td>
<td>C10067</td>
</tr>
</tbody>
</table>
**BEEKEEPER'S SUPPLIES—Continued**

**HIVE COVERS AND BOTTOM-BOARDS**

**Metal-roofed Double Cover**

This cover, formerly designated as the Re cover, has given such universal satisfaction that we adopted it some time ago for all our hive combinations. It is the cover which we furnish regularly unless otherwise specified.

This cover is not complete without the inner cover, which is simply a bee-escape board. This is not included in the prices quoted below. Its purpose is to prevent the outer cover from becoming stuck down with propolis, and make it bee-tight. Description of inner cover is given at bottom of this page.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>Metal cover with inner cover</td>
<td>1 N</td>
<td>C15001</td>
</tr>
<tr>
<td>Metal cover with inner cover</td>
<td>1 KD</td>
<td>C15002</td>
</tr>
<tr>
<td>Metal cover with inner cover</td>
<td>5 KD</td>
<td>C15003</td>
</tr>
</tbody>
</table>

**EXCELSIOR COVER**

Our excelsior cover is entirely different from any other cover by that name on the market. Its advantages, which we have patented, are that the two slide-boards, instead of being rabbed down to 3/8 inch at the ends, are left full thickness, the same fitting into a 3/8-inch groove of the end cleats, and the sides and edges of the boards are molded on a special machine so they will shed water, while the under side is flat.

**VENTILATED GABLE COVER**

For extreme warm climates, with little or no shade, we do not know of anything better than this ventilated cover. It is constructed of 3/8-inch boards securely cleated at each end by means of channels or grooves into which both the top and under boards are inserted. The 3/8-inch space on the sides along the whole width of the hive permits of a free and constant circulation of air. It is furnished only when so ordered, and is the same price as the Excelsior cover.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>Ventilated Gable cover</td>
<td>1 N</td>
<td>C13001</td>
</tr>
<tr>
<td>Ventilated Gable cover</td>
<td>1 KD</td>
<td>C13002</td>
</tr>
<tr>
<td>Ventilated Gable cover</td>
<td>5 KD</td>
<td>C13003</td>
</tr>
</tbody>
</table>

**REVERSIBLE BOTTOM BOARD**

This is our standard bottom-board which is furnished with all the hives unless otherwise specified. It is so constructed that when turned one side up it provides a 3/8-inch space under the frames while the other side, which should be used in summer, gives a 3/8-inch space. The floor-boards which are 3/8-inch tongued and grooved are slid into grooves in the outer rim or frame and nailed in such a way that swelling and shrinking is cared for.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quan.</td>
<td>Cat. No.</td>
</tr>
<tr>
<td>Reversible cypress bottom-board</td>
<td>1 N</td>
<td>C31111</td>
</tr>
<tr>
<td>Reversible cypress bottom-board</td>
<td>1 KD</td>
<td>C31112</td>
</tr>
<tr>
<td>Reversible cypress bottom-board</td>
<td>5 KD</td>
<td>C31113</td>
</tr>
</tbody>
</table>

**PLAIN DIVISION BOARD—NO CHAFF**

This is used as a follower with spacing-frames, such as the Hoffman or closed-end. When there is less than the required number of combs to fill the hive division-boards are almost a necessity to prevent the builing of the outside combs.

<table>
<thead>
<tr>
<th>Description</th>
<th>EIGHT-FRAME</th>
<th>TEN-FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain division board, N</td>
<td>Each</td>
<td>10</td>
</tr>
<tr>
<td>Plain division board, KD</td>
<td>Each</td>
<td>14</td>
</tr>
</tbody>
</table>

**INNER COVER**

To prevent the bees from sticking down the telescope covers like needed. By far the most satisfactory cover is the bee-escape board, and hole for bee-escape to be inserted when needed. With all our hives taking the regular metal cover, these are included KD. See page 72 for escapes.

Honey is a delightful and economical substitute for sugar that has all the delicious flower-sweetness added to it. It is free from adulteration when delivered to man, and for that reason is in many ways, better than sugar. It may be used in canning, baking and on raw fruits, in addition to being used as a spread on bread.
BEEKEEPER'S SUPPLIES—Continued

SUPER SPRINGS

All of our supers are equipped with Hetherington super-springs which cause a gentle yielding pressure upon the sections. A spring is far better than any wedge or thumb-screw, because it adapts itself to variations of climate, causing a shrinkage and swelling of the contiguous parts. A flat spring will take up the gaps and keep the parts firmly squeezed together. Without springs or some form of compression, the bees will clink in propolis at every crack made between the sections, separators, or fences. The result of all this is that a large amount of propolis has to be scraped off the edges of the sections and separators contiguous to each other.

Super-springs 1½c each; weight of 100, 1½ lbs.; $1.00 per 100.

COATED WIRE NAILS FOR HIVES, ETC.

Prices subject to market changes

| Size | Price Per
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Per lb. 10 lbs.</td>
</tr>
<tr>
<td>1-in. very fine and slim</td>
<td>$.30 $1.80</td>
</tr>
<tr>
<td>2d, regular fine, for nailing frames</td>
<td>.20 1.80</td>
</tr>
<tr>
<td>3d, 1½ in. long, for nailing cases</td>
<td>.20 1.80</td>
</tr>
<tr>
<td>4d, 1¼ in. long</td>
<td>.15 1.30</td>
</tr>
<tr>
<td>5d, 1¾ in. long</td>
<td>.15 1.30</td>
</tr>
<tr>
<td>6d, 2¼ in. long</td>
<td>.15 1.30</td>
</tr>
<tr>
<td>7d, 2½ in. long, for nailing hives</td>
<td>.10 1.00</td>
</tr>
</tbody>
</table>

THE HOFFMAN FRAME

This holds its popularity better than any device we ever sold, and we furnish it regularly with all our hives unless otherwise specified. For a hanging frame it is the best self-space we know. It saves labor in that it can be handled in groups of three or four.

Prices of Frames

Following is furnished without foundation: 10 100
Hoffman, 9½x17½ | $0.50 $7.00
Shallow, ¾x11/16 in. top-bar | .65 5.50
Danz. brood, 2½/16x1½ | .70 6.00
Wedges for old-style Hoffman frame | Per 100 .40

CLOSED END FRAMES

While we do not recommend this frame, we can furnish it to those who prefer it. It is supported by pivots in the middle of each end-bar, and is therefore reversible. A comb put in a hive upside down for a day or two during the honey-flow will have the space between the bottom-bar (now at the top) and the comb entirely closed up. This secures solid cards of comb without any pop-holes, or space, between the frame proper and the comb itself. When hunting a queen this is quite an important item, because there is absolutely no place for her to hide. This frame can be used only in the Danz. hive.

PRICE LIST OF INSIDE FIXTURES FOR SUPERS

<table>
<thead>
<tr>
<th>Per 100</th>
<th>Per 100</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slotted section holders</td>
<td>$3.50</td>
<td>Bevel-cleats for P supers 10-fr.</td>
</tr>
<tr>
<td>Plain section-holders</td>
<td>4.05</td>
<td>End stops for P supers 8-fr.</td>
</tr>
<tr>
<td>Slotted wood separators</td>
<td>2.00</td>
<td>End-stops for P supers 10-fr.</td>
</tr>
<tr>
<td>Stat separators</td>
<td>5.50</td>
<td>10-fr. tin rabbets</td>
</tr>
<tr>
<td>P-fences</td>
<td>5.25</td>
<td>14-in.</td>
</tr>
<tr>
<td>Bevel-cleats for P supers 8f</td>
<td>1.05</td>
<td>10-fr. tin rabbets</td>
</tr>
</tbody>
</table>

SIZE AND WIDTH OF SECTIONS

Sections in most common use are 4½x4½x1½ inches wide with two beeways, 4½x4½x1¼ inch plain (no bee- way) and 4x5x1½ plain. We also furnish 8¾x5x1½ no beeway:

<table>
<thead>
<tr>
<th>A Grade</th>
<th>B Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quan.</td>
<td>Price Quan.</td>
</tr>
<tr>
<td>100</td>
<td>$1.15</td>
</tr>
<tr>
<td>250</td>
<td>2.75</td>
</tr>
<tr>
<td>500</td>
<td>5.50</td>
</tr>
<tr>
<td>1000</td>
<td>10.50</td>
</tr>
</tbody>
</table>

The kinds of sections commonly used
**BEEKEEPER’S SUPPLIES—Continued**

**PRICE LIST OF COMB FOUNDATION**

The package numbers in the following price list are for medium and light brood sizes 7x1x10, and for thin and extra thin super sizes 3x1x10 only. Other regular sizes are the same price in like grades and quantities, and are designated according to the key below.

<table>
<thead>
<tr>
<th>Price per pound, packed in boxes as follows</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td>One 1-lb. box</td>
</tr>
<tr>
<td>One 2-lb. box</td>
</tr>
</tbody>
</table>

**ROOT SECTION-PRESS AND STEAM FOUNDATION-FASTENER**

This is the first season we have offered the Root Steam Foundation-Fastener to the public. It has been tried out theroly by experts and novices, and will positively do quicker and better work than any device we ever sold for the purpose. It is cleaner, there being no soot nor smoke, and no danger of fire from wax dropping into the lamp.

- Steam foundation-fastener and press, for 4½ sections: $7.00
- Steam foundation-fastener and press, for 4½ sections: $3.15
- Steam boiler with safety valve for use with above: $7.00
- Oil store for heating boiler, “Summer Girl”": $2.10
- Root section-press only without stetam attachment: $2.90

**CARLIN’S FOUNDATION-CUTTER**

These are very convenient for cutting a great number of small pieces. The wheel should be kept hot by immersing in hot water. Carlin foundation-cutter, tin wheel, 35c.

**SPUR WIRE-IMBEDDER**

This is an excellent device for imbedding the wires of frames into the sheets of foundation. Price, 35c.

**SIZES AND PRICES OF EXCLUDERS OR HONEY-BOARDS**

<table>
<thead>
<tr>
<th>Name and size of honeyboard</th>
<th>Price per piece</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-fr. 7-wire and wood</td>
<td>$0.85</td>
</tr>
<tr>
<td>10-fr. 7-wire and wood</td>
<td>$0.85</td>
</tr>
<tr>
<td>8-fr. wood bound zinc</td>
<td>$0.55</td>
</tr>
<tr>
<td>10-fr. wood bound zinc</td>
<td>$0.65</td>
</tr>
</tbody>
</table>

**A B C and X Y Z of BEE CULTURE**

Cloth 7x10 inches. Price, $2.75.

**THE BEEKEEPERS’ FIFTEEN-CENT LIBRARY**

The following books are neatly bound in paper, 4¾x6 inches, well illustrated—fine for beginners. Price, 15 cents each, postpaid.

- Answers to 150 Questions Commonly Asked on Bees.—By the editors of Glens in Bee Culture. It’s crammed with practical points. 72 pages, indexed.
- Beekeepers’ Dictionary.—Just what the name indicates—a glossary of the technical terms used in the literature of apiculture.

**REGULAR SHIPPING CASES**

All our cases are single tier for 24 sections. When in flat, nails and two-inch glass strips with grooved wood strips and end blocks are included. Safety cases include a safety carton for each section, corrugated paper lining, and paper tray for bottom. Rubber bands are not included at prices quoted.

**REGULAR SHIPPING CASES**

In flat with glass, in lots of 100:

- 4½ x 4½ x 1½: C35122 $0.65 $4.85 $46.20
- 4½ x 4½ x 1½: C35122 $5.40 $5.40 $54.00
- 4½ x 4½ x 1½: C35222 $7.00 $7.00 $70.00

**IMPROVED BINGHAM HONEY-KNIFE**

Patented November 16, 1906

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4 lb.</td>
<td>$1.25</td>
</tr>
<tr>
<td>1 inch</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

**PORTER BEE-ESCAPES**

In taking off honey the bee-escape is the greatest labor-saver ever invented. It frees the supers of bees so that no shaking of heavy supers nor smoking is necessary. Moreover, there is no need of receiving a single sting, and robbing cannot get started. When placed between the super and brood chamber the escape board with either a single or double escape will free the super in 12 to 24 hours. The double escape shown above has two exits, instead of one, which will allow the bees to pass out in case one exit should become clogged. All Porter escapes fit same size hole in board.

**PRICE LIST OF ALLEY TRAPS AND ENTRANCE GUARDS**

| Wire Alley trap | $0.80 |
| Wire entrance guard | $0.30 |


**Feeds and Feeding.**—By E. R. Root. Various ways of making feeds and the feeders to use. 32 pages.

**Building up Colonies.**—Plain instructions on getting colonies in shape for the honey flow. A hand book for spring.

**Spring Management of Bees.**—A companion to “Building up Colonies.”

**Wintering Bees.**—A late booklet by E. R. Root.

**THE TRUTH ABOUT SWEET CLOVER.**—A. I. Root has compiled a large number of articles and letters on personal experiences with this new forage crop. 144 pages.

**The Use of Honey in Cooking.**—64 pages.
BEEKEEPER'S SUPPLIES—Continued

MANUM SWARM-CATCHER
This is one of the best and most practical devices ever invented for the catching of swarms. It consists of a wire-cloth basket with a lid to close it, attached to a 12-ft. pole with two metal rods at the lower end forming a tripod when extended. Swarm-catcher without pole, $2.10.

SCRAPING KNIVES
This scraping-knife with a 4-inch blade of best tempered steel will be found very useful if one is troubled with burr-combs in the hives. Scraping-knife, 4-in. blade, 30 cents.

BEE-BRUSH
This brush is made of genuine horse-hair bristles and is the best bee-brush we sell for freeing combs of bees. One was used a whole season in extracting over twenty tons of honey; was washed out repeatedly, and at the end of the season showed very little wear. Price:

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>With black bristles</td>
<td>7 oz. $0.45</td>
</tr>
<tr>
<td>With white bristles</td>
<td>7 oz. .35</td>
</tr>
</tbody>
</table>

THE ROOT BEE-VEILS
The Root bee-veils contain each 14 yards of silk tulle, cotton tulle, or mosquito-bar, or of cotton tulle with a silk face, as listed below.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veil, made entirely of silk tulle</td>
<td>$1.70</td>
</tr>
<tr>
<td>Veil, cotton tulle with silk tulle face</td>
<td>1.35</td>
</tr>
<tr>
<td>Veil, cotton tulle throat</td>
<td>1.25</td>
</tr>
<tr>
<td>Veil, of mosquito-bar entirely</td>
<td>1.00</td>
</tr>
</tbody>
</table>

GLOBE BEE-VEIL
This is one of the most popular veils we sell, and where one wishes something that holds the net clear away from the face and neck, and yet allow him to wear an ordinary hat, we know of nothing better. Globe bee-veil complete with frame, 6 oz. $1.60.

ALEXANDER BEE-VEIL
This veil consists of wire cloth made especially to order of bronze wire, with eight meshes to the inch, which offers very little obstruction to the eye. The top is made of muslin gathered at the center, and the bottom is of the same material made in the form of a skirt that slips loosely around the shoulders. It is not necessary to wear hat with it, and for that reason it is very cool in summer—the coolest headgear of anything we sell. Alexander bee-veil, not postpaid, $1.70.

ALEXANDER FEEDER
This is a very convenient feed. It may be left on the hives the entire season, and, while there, if there be a dearth of honey, one can very easily feed up a hundred colonies in the space of a few minutes by lifting the block at the side, pouring in the feed and replacing the block.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jumbo tin smoker</td>
<td>4-in. $1.00</td>
</tr>
<tr>
<td>Jumbo copper smoker</td>
<td>4-in. 1.75</td>
</tr>
<tr>
<td>Standard tin smoker</td>
<td>3-in. 1.20</td>
</tr>
<tr>
<td>Standard copper smoker</td>
<td>3-in. 2.20</td>
</tr>
<tr>
<td>Junior tin smoker</td>
<td>2-in. .50</td>
</tr>
</tbody>
</table>

DOOLITTLE DIVISION-BOARD FEEDER
This is one of the most popular feeders we sell. It has the same length and depth as a brood-frame, and hangs in the brood-nest. To feed, it is only necessary to move the cover far enough to expose the feeder, and pour in the syrup from an ordinary watering can with the rose or sprinkler removed.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplicity feeder</td>
<td>$0.20</td>
</tr>
<tr>
<td>Division-board feeder, nailed</td>
<td>60</td>
</tr>
<tr>
<td>Boardman feeder with cap only</td>
<td>30</td>
</tr>
<tr>
<td>Miller feeder, in flat</td>
<td>.50</td>
</tr>
<tr>
<td>Alexander feeder, complete</td>
<td>.40</td>
</tr>
</tbody>
</table>

PRICE LIST OF FEEDERS
Iron Age Garden Implements

**NO. 301 DOUBLE AND SINGLE WHEEL HOE**
Packed weight, 40 lbs.

- No. 301-K, Complete (like cut) $13.00
- No. 301 Like cut without Rakes 12.00
- No. 303 With Side Hoes only 8.75
- No. 313 With Side Hoes and Teeth 10.50
- No. 327 Same as 301, except it has discs 14.00

**NO. 304 COMBINED HOE AND SEED DRILL**

- No. 304, Same tool as No. 306, except does not drop in hills, $21.00.
- No. 318, Drill Seeder only, $15.00

- No. 1014 E. P., price with lever expander as in cut $12.25
- No. 1014 E, price without wheel 11.25
- No. 3015, price, plain without wheel or lever 9.00

**NO. 306 R. COMBINED DOUBLE AND SINGLE WHEEL HOE, HILL AND DRILL SEEDER.**
Packed wt. 45 lbs., price $23.00.

- No. 306 as cut, except no rakes $22.00
- No. 316 Hill and Drill Seeder only, no tools 16.00

**NO. 1007 E. P. SEVEN TOOTH CULTIVATOR**
Price, as in cut $13.00

**NO. 19C WHEEL PLOW AND CULTIVATOR**
The wheel is made of steel, 24 inches high, and is very strong. The tire is 1 inch in width. The frame is made of steel throughout. The handles are made of best oak.

- Price complete with 5 tools $6.50

**LITTLE GIANT MOLE TRAP**
Most simple and best trap on the market. Fully guaranteed to give satisfaction. Price, 90c each; postpaid.

**NO. 1005-E. P. FIVE TOOTH CULTIVATOR**
Like cut $9.50

- Without Lever Expander 7.50
- No. 37, Plain With Clamp Expander and no wheel $6.50

**RAISE A FREIGHT SAVING YEAR AROUND GARDEN**

**SEEDER ATTACHMENT**
Fig. 333, Drill only. Price, $8.50.
Fig. 334, Hill and Drill. Price $16.50.

ASK FOR SPECIAL IRON AGE CATALOG OF HAND TOOLS, HORSE TOOLS, SPRAYERS, POTATO PLANTERS AND DIGGERS
Planets Jr. Garden Tools

NO. 31 PLANET JR. COMBINED DRILL, SEEDER, NO. 4 PLANET JR. COMBINED HILL AND DRILL WHEEL HOE, CULTIVATOR AND PLOW

Price $13.00

No. 31-D as Drill Seeder only $10.50
No. 33 as Wheel Hoe only........ 6.50

New last year. An accurate seeder and a first class single wheel hoe at a low price.

NO. 3 PLANET JR. HILL AND DRILL SEEDER

Price $18.50
Holds 3 Quarts of Seed.
Weight, packed, 45 lbs.

A favorite among onion growers, market gardeners and seedsmen.

NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW. Price, $12.50.
Weight 33 lbs.

We offer these Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt themselves to a large variety of work, and there is scarcely any garden culture of which they are not capable.

PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER

No. 99 Complete, with Steel Wheel, $30.00
Weight, packed, 72 pounds
No. 99 B, Without Pulverizer, $16.75.
No. 99 D, Without pulveriser or wheel, $13.00

NO. 19 PLANET JR. SINGLE WHEEL HOE CULTIVATOR AND PLOW

Price $8.25, weight 21 lbs.

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical. Two acres a day can easily be worked with this implement.

NO. 103 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR

Price, $14.75. Weight 60 lbs.

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.

STAR PULVERIZER, LEVELER AND WEEDER

This tool is especially adapted for preparing the seed bed much more thoroughly and rapidly than any other garden rake. The rear blade cuts 13½ inches. Levels the ground perfectly. It is a fine tool to use after the crop is started, breaking the crust, cutting off the weeds and leaving a fine mulch. It works equally well forward or backward. Price, $6.50 by express or freight.

FOR COMPLETE LIST OF FERTILIZERS
SEE PAGE 86
Miscellaneous Tools

A NEW MIDGET DRILL
Sows All Seeds

This is just the drill for the little garden. It stands about 8 inches high and will sow a 5¢ package of seed fuse as well as larger amounts. Can be attached to a wooden handle and used in a hot bed or greenhouse. Hopper holds 1 pint. The machine is made as good as larger ones. Index shows how to set. It can be attached to a No. 20 Standard Wheel Hoe.

THE BARKER WEEDER
MULCHER CULTIVATOR
1. The Barker is a Weeder, Mulcher and Cultivator.
2. The one machine performs the three operations.
3. Weeding and Mulching is done in one operation.
4. By adjusting shoveling attachment the Barker becomes a cultivator.

OUR GUARANTEE
We fully guarantee both material and workmanship of the Barker Weeder Mulcher and Cultivator for a period of FIVE YEARS from date of purchase, and will make any defective parts without cost to purchasers.

SIZES AND PRICES
All Barkers work on the same principle. They differ only in the width of the strip cultivated.

| No. 6D. Strip 6 in. wide | Price | 7.00 |
| No. 9D. Strip 8 in. wide | Price | 8.25 |
| No. 10D. Strip 10 in. wide | Price | 9.35 |
| No. 11D. Strip 11 in. wide | Price | 10.15 |
| No. 60D. Strip 6 in. wide on each side of row. Two 6 D's bolted together | Price | 14.00 |

COMBINED TIPPER AND SHELLER
This is just the machine you have been looking for. It butts and tips your corn and then shells it. Also has an attachment for shelling pop corn. These machines are well made, extremely handy. You can shell more than one bushel by shelling and tipping your seed corn and then having it for next year. Price, complete, $1.50.

THE PULL EASY GARDEN CULTIVATOR
This handy little garden tool is adjustable to any width. A patented groove slide, secured by handy thumb screws, allows the working width of the cultivator to be varied from 7 to 18 inches. When the plants are young, the middle tooth can be removed by the simple loosening of a thumb screw, allowing the plants to be straddled and two rows worked at once. When spread out to its full width it can be used as an ordinary rake. Since it serves as both a rake and a cultivator it can be put to many uses about the yard or garden. Length of handle is 4½ feet.
Price, Garden Cultivator, $1.60; Junior Cultivator, 60¢; by express.

MIDGET DRILL AND HOE
This cultivator has 5 combined tools as shown in cut. Is light, yet strong. All tools made of steel as hard as a saw and nicely polished. Strong, tangent spokes. 24-inch wheel. Price, Wheel Hoe and Midget Drill Combined, $8.50.

MAGIC WEEDER AND HOE
The best garden tool on the market. It does the work with half the labor, saving both time and strength. The tongs are formed so as to enter the ground the same as a garden plow, lifting and pulverizing the soil, leaving a dust mulch, thereby holding the moisture which is so essential to the rapid growth of young plants. From the picture you get an idea of the different styles.

| Price, No. A; postpaid | 30¢; not postpaid | 15¢ |
| Price, No. B; postpaid | 35¢; not postpaid | 30¢ |
| Price, No. G; postpaid | 35¢; not postpaid | 35¢ |
| Price, No. D; postpaid | 50¢; not postpaid | 40¢ |
| Price, No. E; postpaid | 50¢; not postpaid | 40¢ |
| Price, No. F; postpaid | 60¢; not postpaid | 50¢ |
| Price, No. G; postpaid | 90¢; not postpaid | 75¢ |
| Price, No. H; postpaid | 1.25; not postpaid | 1.00 |
| Price, No. K; postpaid | 1.25; not postpaid | 1.25 |

LANG'S HANDY WEEDER

FOR ALL KINDS OF POULTRY SUPPLIES SEE PAGES 80-84
On this page you will find listed different kinds of planting tools. Next to good seed there is nothing so essential to a crop as good planting tools. They save seed by distributing it evenly, thus insuring an even stand. We sell each and every tool shown here on a positive money back guarantee. If they do not do everything we claim for them we cheerfully refund your money.

**EUREKA SEED DRILL**

It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all such seeds with the greatest regularity, much better and faster than hand work. It is not a toy, but a strong, practical machine. Of course, when you have a large garden you will want our Iron Age Drill, but for a few vegetables the Eureka is superb. It is the only machine suited to sow in a hotbed. Sows the smallest packet of seeds as well as a large bulk. Price, $1.75 postpaid. By express, $1.50.

**MICHIGAN WHEELBARROW SEEDER**

It is the original of its kind, and is the result of 30 years' experience in the seeder business. It has all the good qualities that any other seeder has, and many superior ones. Saves seed, labor, and insures an even catch.

The Springs: One of the latest improvements is the placing of springs under the seed box. These prevent loss of seed from jarring when machine is used on frozen or rough ground. They also cause the machine to run easier, on the same principle that a spring wagon runs easier than one without springs.

The Wheel: We use a steel wheel, built bracing like a bicycle wheel. They are 30 inches in diameter and the tire is 14 inches wide. They are also reversible and all wear is easily taken up. There is but little strain on our wheels for the feed motion is taken from the hub instead of from the spokes.

The Feed Rolls: Our feed roll has a steel center with waterproof coating. They have a positive motion that will not slip and are not affected by the weather. They never require any changing or adjustment.

Order THE MICHIGAN and You Will Get the Best, a Seeder That Will Sow Both Heavy and Chaffy Seeds. Price, No. 22—12 ft., $9.00; No. 24—14 ft., $20.00; No. 25—14 ft., $10.75.

Here is a time and labor saver adapted for all kinds of small garden seeds. It is alike useful in home gardens or hothouses. The Perfection Drill and Seeder is simple, practical and rapid in operation.

The seed is sowed at just the right depth—at the proper equal distances apart—and with the correct amount of seed in each spot.

This handy tool is as much ahead of hand sowing as a corn planter is ahead of planting corn by hand. Price, $5.00, postpaid; by express, $4.50.

**CULATION SEEDER**

Simple in construction and easy of operation; has automatic regulator and cut-off, and performs its work perfectly. It is practical. Price, $3.00; by express.

**CAHOON SEEDER**

The best machine of the kind in the market. The grain is held in a tight sheet-iron hopper, surrounded by a bag which will hold a bushel of seed. Price, $6.00, by express.

We are agents for Myers Spray Pumps. The world's best. See pages 63 to 65.

**COR N PLANTERS**

No. 1. Good, reliable two-hand planter. Price, by freight or express, $1.50.

No. 2. Segman one-hand cornplanter, adjustable for planting all kinds of corn. Has pumpkin seed attachment, well made in every way. Price, by freight or express, $1.75.

**SEED COR N LIST-ED ON PAGE 33.**
POULTRY SUPPLIES

BUCKEYE INCUBATORS, Sold on 40 Days' Trial

WITH AN ABSOLUTE GUARANTEE TO HATCH EVERY HATCHABLE EGG
THIS IS A GUARANTEE THAT MEANS SOMETHING
The Buckeye is GUARANTEED to hatch MORE CHICKS and STRONGER CHICKS than any other Incubator.

It is further guaranteed:
To require no artificial moisture. To operate satisfactorily in any temperature down to freezing, and to require no attention to the regulator from the time a hatch is started until it is finished.

The perfect construction of all its mechanical parts is also guaranteed, and any Incubator or part thereof that does not fulfill our guarantee in every particular, will be replaced without question any time within 40 days.

Over four hundred thousand (400,000) satisfied users represent the proof that we offer in support of Buckeye superiority—little breeders, big breeders, beginners, experts—breeders that include every class from boys and girls with a little 60-egg machine up to the tremendous poultry plants with capacities of 50,000 eggs and more—all uniting in the same verdict.

It is no longer considered a feat to build an incubator that will hatch "some" chickens from "some" the eggs placed in it (there are many such incubators on the market), but the truly successful incubator is the MACHINE THAT WILL HATCH A CHICKEN FROM EVERY HATCHABLE EGG—the vigorous kind of chicks that start to grow the moment they are hatched, and continue to grow without forcing or doctoring.

THAT'S THE KIND OF HATCHES THE BUCKEYE PRODUCES, and has been producing for twenty-five years. That's why we have been able to sell over four hundred thousand Buckeyes to all kinds of people.

BUCHEYE PRICE LIST

<table>
<thead>
<tr>
<th>No.</th>
<th>Style</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>E</td>
<td>60 Eggs</td>
<td>$12.00</td>
</tr>
<tr>
<td>15</td>
<td>E</td>
<td>60 Eggs</td>
<td>16.50</td>
</tr>
<tr>
<td>16</td>
<td>E</td>
<td>110 Eggs</td>
<td>20.50</td>
</tr>
<tr>
<td>17</td>
<td>E</td>
<td>200 Eggs</td>
<td>27.50</td>
</tr>
<tr>
<td>60</td>
<td>Standard</td>
<td>60 Eggs</td>
<td>19.50</td>
</tr>
</tbody>
</table>

SURE HATCH INCUBATOR

The best hatcher built for the money. For the past several years we have had more or less calls for a medium priced incubator, but as we will not sell a thing that we cannot guarantee it took us a long time to find one that measured up to the specifications desired. We had our eyes on one a long time before we could get the agency. We have known for a long time that the SURE HATCH is the best incubator built for the money, but this is the first year we could get the agency, so we offer you now the SURE HATCH INCUBATOR, believing that if you buy one you will be well pleased.

The sides and ends of the Sure Hatch incubators are made with two distinct walls of redwood. The space between these two walls is air-tight to provide a dead air space for insulation.

The heating is done with the hot water system. The tank and the heater are both made of the best Pure Lake copper, which will last many years. An incubator to be of good service must have a strong heating devise to warm the machine to the proper temperature during the cold weather, which is the most profitable time for setting the machine.

SURE HATCH PRICES

<table>
<thead>
<tr>
<th>No.</th>
<th>Eggs</th>
<th>Complete with all Fixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100 to 120</td>
<td>$22.00</td>
</tr>
<tr>
<td>150</td>
<td>150 to 170</td>
<td>27.00</td>
</tr>
<tr>
<td>200</td>
<td>200 to 220</td>
<td>31.00</td>
</tr>
<tr>
<td>250</td>
<td>200 to 220</td>
<td>33.50</td>
</tr>
</tbody>
</table>

OUR GUARANTEE PUTS IT STRICTLY "UP TO THE INCUBATOR"
POULTRY SUPPLIES—Continued

The Standard Colony Brooder
(Patented July 4, 1916)

THE MOST REMARKABLE COAL BURNING BROODER EVER INVENTED

Self-Feeding, Self-Regulating, Simple, Safe, Everlasting

GUARANTEED OPERATING COST LESS THAN SIX CENTS A DAY

Makes Three Chickens Grow where One Grew Before.
Cuts the Cost of Equipment to Less Than Half.
Cuts the Cost of Operation to Less Than Half.
Reduces the Time and Labor to Less Than a Fourth.
Guaranteed to Raise More Chicks and Better Chicks.
Nothing to Break. Nothing to Wear Out

This type of brooder can be satisfactorily operated in any locality or under any conditions. The especially built coal-burning stove for brooding purposes is self-regulating. The whole apparatus has one adjustable nut and not even a thermometer is necessary. It burns any kind of coal, is self-feeding and is guaranteed to run more than 12 hours in any weather on one filling of coal at an average cost of less than 6c per day. The coal is poured in at the top of the stove. It is fire-proof, and is so simple that a boy or girl can operate it.

The air is always pure and fresh. There is no damper or valve of any kind between the smoke stack and the fire draft. It is controlled by an ingenious device that makes them unnecessary. The fresh air is provided by the automatic action of the draft on the stove.

“BUCKEYE” PORTABLE BROODERS

The Oil Burning Brooders

With all the Desirable Features of the Modern Coal Burner

GUARANTEED to be absolutely free from all gases or odors and to provide a circulation of pure, fresh air every minute in the day.
GUARANTEED to raise more chicks and bigger chicks than any other oil-burning brooder.
GUARANTEED to furnish an abundance of heat in any temperature down to freezing.

BUILT IN THREE SIZES

<table>
<thead>
<tr>
<th>No. 20</th>
<th>No. 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter 19 Inches</td>
<td>Diameter 22 Inches</td>
</tr>
<tr>
<td>Capacity 60 Chicks</td>
<td>Capacity 100 Chicks</td>
</tr>
<tr>
<td>$8.50</td>
<td>$10.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. 22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter 30 Inches</td>
</tr>
<tr>
<td>Capacity 150 Chicks</td>
</tr>
<tr>
<td>$13.50</td>
</tr>
</tbody>
</table>

SOLD ON 30 DAYS’ APPROVAL

AND YOU WRITE YOUR OWN MONEY BACK GUARANTEE
POULTRY SUPPLIES—Continued

SUNNY PARK BROOD COOPS

Since metal of all kinds has become so scarce and high priced we have been casting about for cheaper though good material out of which to make a brood coop, so we can furnish our customers with a serviceable coop at much less cost. We are glad to say we have found it. We offer you a Parking Coop, as shown in cut, made of an indestructable Composition Material that affords absolute protection from rain, and snow, keeping the chicks dry under all weather conditions. Has removable bottom for easy cleaning, and the price is only a little more than one-half the price of a metal parking coop. Price, $2.00 each; 6 for $11.00.

NON-PARKING BROOD COOP

Anyone desiring a high grade coop without a Park, can find nothing that will equal our Non-Parking Coop, as shown in the cut below.

Made from the same materials as our “Sunny Park” Coop which insures its lasting qualities. The doors are arranged so as to let the chicks out and keep the hen in, same as our “Sunny Park” Coop.

Has ventilators in both ends so the brood can always have fresh air without being chilled.

Size 18x19½x24 inches.

Inside of coop treated to make it louse proof. Has remarkable bottom for easy cleaning. When you send your order for Non-Parking Coops do not fail to include one or more of our Parking Coops. They can both be shipped together nicely. Shipped knocked down in strong crates, which insures safe delivery.

Price, each $1.50, 6 for $8.00.

INTERNATIONAL

SANITARY HOVERS

The International Sanitary Hovers have stood every climatic test from Panama to Quebec. Practical Poultrymen, state experiment stations, and poultry judges endorse them. You can raise chicks anywhere with International Sanitary Hovers. No specially constructed houses are necessary. There is no place better than in your regular hen house. Sanitary Hovers are as practical for the small backyard poultry raiser as for the large poultry farms. They are ready for business wherever placed. No crowding or smothering chicks—no kneeling in mud to get at the lamp. You want the best brooding device—you will get it in the Sanitary Hovers... Price, $9.50 each; by express or freight.

SANITARY BROOD COOP

Made of galvanized iron, it is mite, rat, weasel, mink and skunk proof. It can be taken down and put up in 40 seconds, the bottom can be removed for cleaning without taking the coop apart. It has three doors hung on one pivot; the first a slat door which lets the chicks out; the second, of one-half inch wire netting, for use on hot nights; the third is of solid iron for cold and stormy weather. The coop is well ventilated but is entirely rainproof. It is approximately 18x24 inches square and 16 inches high. It can be carried with one hand to any convenient location. Price, each $2.25; 6 for $13.00; by express.
POULTRY SUPPLIES—(Continued)

CHICK FEED TROUGH

These troughs are very convenient for feeding flocks of growing chicks. Trough is made on a half circle so that every bit of feed can be easily eaten out of it.

Made in two sizes, 10-inch and 20-Inch...
10-inch trough with grate...$1.60
20-inch trough with grate...$2.00

SHIPPING WEIGHT
10-inch trough with grate...35c
20-inch trough with grate...50c

CHICK GRIT AND SHELL BOX

Growing chicks should have grit, oyster shell and charcoal always before them; and for this purpose our Chick Grit and Shell Box is indispensable. It is made of galvanized steel with three compartments. Height 7 inches; width 6 inches; depth (front to back), 4 inches at bottom and 2 inches at top.

Price (shipping weight, 2 lbs.), 60c. Large size for grown fowls (shipping weight 4 lbs.), $1.00.

DROP BOTTOM FOUNTAIN

In this style of Drinking Fountain the pan which forms the trough from which the fowls drink is hinged at the back and fastened by a brass latch in front. The hood over the trough prevents falling dust and dirt from getting into the water; and when the bottom is turned back inside of the fount, can be easily cleaned out and kept in sanitary condition.

The hole which allows the water to run from the fountain into the trough is behind the brass latch, which prevents the water from slopping out when the fountain is handled.

The hinge is made with a brass rod to prevent rusting. Made of No. 28 galvanized steel in three sizes.

2-quart Drop Bottom Fountain...$1.15
1-gallon Drop Bottom Fountain...$1.50
2-gallon Drop Bottom Fountain...$1.60

RECTANGULAR CHICK FEED HOPPER

This hopper is designed for young chicks and made to either stand on the floor or ground, or hang against the wall. It is divided into three equal compartments, holding about four quarts altogether. Made of galvanized iron with hinged lid to both hopper and trough.

Price, each...$1.40
Shipping weight 3 lbs.

WALL FOUNTAINS

Made in three sizes, 1 quart, 1 gallon and 2 gallons. The two larger sizes have flat backs, so they can be placed horizontally on the floor for filling and also to make them rest firmly against the wall when hung up. Made of No. 28 galvanized steel with heavy strap handles and hangers.

1-quart size...$0.90
Shipping weight 1 lb.
1-gallon size...$1.00
Shipping weight 3 lbs.
3-gallon size...$1.25
Shipping weight 5 lbs.

O. K. CHICK FOUNTAIN

This fountain is galvanized throughout, and consists of two parts—a conical top which holds the water, and a fluted pan forming the base. This pan is seamless, being made from a disc of steel stamped into shape with dies.

The little "pockets" around the pan are large enough for the fowls to drink out of them nicely, but too small to allow a chick to get into them and get wet.

One pint size...20c
One quart size...30c

THE "LITTLE CHICK" FEEDER SAVES THE FEED

It is made strong and durable. The frame in each end is made from substantial lumber, over which is securely fastened heavy 1-inch mesh Galvanized Wire Screen. This wire screen is neatly bound on the edges with strong Galvanized Sheet Steel. The "Little Chick" Feeder is large and roomy. Size: 6 inches high, 18 inches wide and 24 inches long.

Will easily accommodate FORTY to FIFTY chicks at one feeding. Can be placed anywhere and can be moved from place to place easily. Price, $1.25.

GRIT AND SHELL BOX

This Grit and Shell Box has slanting front, inclined top and round bottom to throw. Just the thing to hold oyster shell, charcoal and grit for a small flock of fowls. For larger flocks we recommend the Three-Compartment Hopper described on page 10.

Price of Grit and Shell Box...$1.25...Shipping weight, 2 lbs. each.

THE HANDY DRY MASH HOPPER

The Handy Hopper is made considerably wider at the bottom than at the top, so that it is impossible for any sort of dry mash to clog in it. Feed put in this Hopper cannot be wasted for the design has a wide flange all around it, and solid partitions, making it impossible for the fowls to pile up the feed and throw it out with their bills.

PRICE LIST

No. 1 Handy Hopper, 9 inches long, one compartment...$1.65
Shipping weight in fibre carton, 6 lbs.
No. 2 Handy Hopper, 15 inches long, one compartment...$2.00
Shipping weight in fibre carton, 9 lbs.
No. 3 Handy Hopper, 24 inches long, two compartments...$2.50
Shipping weight in fibre carton, 12 lbs.
No. 4 Handy Hopper, 36 inches long, two compartments...$3.25
Shipping weight, crated, 17 lbs.
POULTRY SUPPLIES—(Continued)

AUTOMATIC FEEDER AND FOUNTAIN

Feeds water, grain, grit etc., automatically. Is easy to fill and operate. Just lift trigger, as shown in cut, which releases pan, clip remaining on jar, leaving pan without any obstruction, affording easy cleaning. Thus a sanitary fountain. Made to fit any Mason jar. We do not furnish jars. Price, postpaid, 25¢; not postpaid, 20¢ each. Two for 45¢, postpaid; not postpaid, two for 52¢ per dozen, postpaid, $2.00; not postpaid, $1.50.

NO. 32 HAND GRINDING MILL

In this mill are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish, has a 16-inch fly wheel, and is light running. The capacity of this mill is not equalled by any other of the same size. Shipping weight 40 lbs. Capacity, 1 to 2 bushels per hour. Price $4.90.

POULTRY PUNCH

This little tool is for marking poultry by punching through the web between the toes. It is light and handy to carry in the pocket. Nickel plated. Priced 40¢; postpaid.

STEARNS' BONE CUTTER

It has automatic feed; is self-cleaning; is the fastest fine cutting machine on the market; will stand more wear and tear; is least liable to get out of order; is the Only Bone Cutter that will not clog with gristle or meat. Price, $12.50. Write for prices of larger sizes.

LEADER ADJUSTABLE LEG BANDS

Doz., 20¢; 25 for 30¢; 50 for 50¢; 100 for 85¢; postpaid.

SPIREL CELLULOID LEG BANDS

Ten colors, blue, red, yellow, green white, violet, pink, orange, cerise, black. Poultry size. Any color. Be sure to state breed and sex. Price, postpaid: 12 for 20¢; 25 for 30¢; 50 for 50¢; 100 for 85¢; 500 for $3.00; 1,000 for $5.25.
For Pigeons and Baby Chicks, Price, postpaid: 12 for 15¢; 25 for 25¢; 50 for 40¢; 100 for 65¢; 500 for $3.75; 1,000 for $4.50.

YOU WILL FIND LETZ BUHRS ONLY IN LETZ MILLS
POULTRY SUPPLIES— (Continued)

The Double Quick Grain Sprouter

The grain sprouter doubles the egg yield—cuts in half the feed bill—sprouts in 24 hours, forces growth of 1 to 2 inches daily—sprouted Oats for winter eggs.

The most useful invention in the poultry industry since that of the incubator is the Grain Sprouter. Recent scientific research in the feeding of poultry has developed the fact that for prolific egg production there is no feed that compares with the sprouted grains. The newly germinated grains for growing chicks and the sprouted oats for laying hens are producing most remarkable results.

The Double Quick is the first, the original pioneer. It is built in six sizes, one-fourth bushel to eight bushel. A few hens to a thousand.

**DOUBLE QUICK**

<table>
<thead>
<tr>
<th>No.</th>
<th>Price</th>
<th>No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$8.00</td>
<td>4</td>
<td>19.75</td>
</tr>
<tr>
<td>2</td>
<td>9.75</td>
<td>5</td>
<td>29.80</td>
</tr>
<tr>
<td>3</td>
<td>15.60</td>
<td>6</td>
<td>44.00</td>
</tr>
</tbody>
</table>

**THE COLFAKX All METAL SPROUTER**

Built in sections—Add sections as your flock increases. Two base units. Small base, 1 bu., 2 trays, 25-35 hens. Small section, 4 bu., 2 trays, 35-75 hens. Large base, 1 bu., 2 trays, 100-150 hens. Large section 1 bu., 2 trays, 100-150 hens.

Non-Busto Elastic Egg Carrier

**THE MOST SENSATIONAL IMPROVEMENT IN EGG CARRIERS EVER MADE**

For Parcel Post or Express Shipments of Commercial or Hatching Eggs.

For the first time in history it is made practical to ship eggs by Parcel Post with perfect safety—and yet at a cost so low to show a profit to the shipper. Your egg-shipping problems are solved at last. You will see at a glance that this is the simplest, safest egg carrier ever thought of. Complete with filler and 2-color gummed label. Eggs suspended vertically in air cushions.

<table>
<thead>
<tr>
<th>Commercial Egg Carrier</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Price</td>
</tr>
<tr>
<td>1 Dozen....7 lbs.</td>
<td>$0.60</td>
</tr>
<tr>
<td>2 Dozen.....15 lbs.</td>
<td>.95</td>
</tr>
<tr>
<td>3 Dozen.....15 lbs.</td>
<td>1.25</td>
</tr>
<tr>
<td>4 Dozen.....21 lbs.</td>
<td>1.55</td>
</tr>
<tr>
<td>5 Dozen.....25 lbs.</td>
<td>1.85</td>
</tr>
<tr>
<td>10 Dozen.....47 lbs.</td>
<td>3.60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hatching Egg Carrier</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Price</td>
</tr>
<tr>
<td>15 Eggs.....9 lbs.</td>
<td>$1.10</td>
</tr>
<tr>
<td>30 Eggs....15 lbs.</td>
<td>1.95</td>
</tr>
<tr>
<td>50 Eggs...21 lbs.</td>
<td>2.60</td>
</tr>
<tr>
<td>100 Eggs...40 lbs.</td>
<td>4.90</td>
</tr>
</tbody>
</table>

EFFICIENCY BABY CHICK CARRIERS

Top and bottom one piece each; shipped flat; put together by brass brads, no glue nor tape needed.

**EFFICIENCY KOOPS “Without a Nail”**

For shipping breeding birds. Lightness makes great saving in express charges. Collapsible and easily stored. Put together with steel rods saving time and labor. Can be used over and over.

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pet (Pigeons, Bantams, Puppies, etc.)</td>
<td>22x12x12</td>
<td>.72</td>
</tr>
<tr>
<td>Single, 1 to 3 birds</td>
<td>22x12x21</td>
<td>.55</td>
</tr>
<tr>
<td>Double, 2 to 4 birds</td>
<td>22x29x24</td>
<td>.75</td>
</tr>
<tr>
<td>Pen, 5 to 7 birds</td>
<td>27x24x24</td>
<td>.85</td>
</tr>
</tbody>
</table>

THE HUMANE ANTI-HEN-SETTING DEVICE

(Patented March 18, 1917)

The only device ever invented that will stop a hen setting and cure her of broodiness in twenty-four hours and do it without the slightest pain or suffering for the hen, are no wasted time or trouble for you. Clasp on leg and let the hen run free for 24 hours, then remove. Price, 10c each; 1 doz. $1.10, postpaid.
Lincoln Brand Poultry Feeds

Our Lincoln Brand Poultry Feeds are economical to use because they contain only good clean seeds and grains mixed in the proper proportions to make balanced rations for your birds at every age. That will help your baby chicks grow rapidly, developing strong constitutions and grow into splendid adults. For full grown stock you must supply feeds that will not only nourish their bodies but also enable them to lay eggs. Corn alone makes fat, but very few eggs. The formulas used in our poultry feed mixtures are recommended by the Poultry Department of the Nebraska State Experiment Station.

MEAL SCRAP

For laying hens may be mixed one part meal scraps to three parts crushed grain, bran or shorts. Wet with hot water, or skimmed milk, preferred. Feed night and morning. 3 lbs., 25c; 50 lbs., $3.75; 100 lbs., $7.00.

BLOOD MEAL

This is pure, rich and blood meal. Very fine for incubator chicks, as it prevents loss from breaking down or leg weakness. Good to start hens laying. Feed one part blood meal to seven parts of mash. 2 lbs., 25c; 50 lbs., $4.25; 100 lbs., $8.00.

CRYSTAL GRIT

Not only your large fowls, but your small chickens must have grit. Most so-called chicken cholera is simply indigestion caused by a lack of grit with which to grind the food. Large, medium and chick. 12 lbs., 25c; 50 lbs., 75c; 100 lbs., $1.15.

CRYS-CO

A shell product and grit in one. It is the crystallized molluscan shell formation or petrified shell, nature’s own product, and is mined and crushed coarse, medium, and fine for the great American bird. 12 lbs., 25c; 50 lbs., 75c; 100 lbs., $1.15.

CRUSHED SHELLS

If you are fed eggs you must furnish them with something to make shell. 12 lbs., 25c; 50 lbs., 75c; Crushed shells are 75c per 100 lbs.; Oyster shells, $1.55 per 100 lbs.

POULTRY BONE

Should be kept before poultry of all classes, at all times, especially where egg production is desired. They will be the best Judge as to the amount that you need. Chickens should be permitted to get it at their pleasure. Large, medium and chick meal. 3 lbs., 25c; 50 lbs., $2.75; 100 lbs., $5.25.

BUTTERMILK STARTING FOOD

A ready prepared food for baby chicks, composed of hulled grains, iron sulphate, meal, and other grains. Buttermilk, bone, iron sulphate, gentian root and prepared mustard proportion. Buttermilk Starting Food supplies the chicks in dry form with only the water eliminated. Supplies all the needs of the chick—except for grit and fine drinking water—until one week old; then add green food. The second week begin supplying animal food, also Lincoln Brand Chick Feed in litter, to induce exercise and gradually prepare the chicks for the change later feed. Buttermilk Starter Food by mixing with small amount of water until crumby but not pasty or sloppy. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $2.00; 50 lbs., $3.50; 100 lbs., $7.00.

BIRD SEED, ETC.

We Carry a Complete Stock of Clean, Pure Bird Seed

CANYAN (Sicily)

Superior to all other varieties. 1 lb., 40c; 2 lbs., 75c; postpaid. 1 lb., 30c; 2 lbs., 55c; by express.

RAPE

Very desirable to furnish variety. 1 lb., 25c; 2 lbs., 35c; by express. 1 lb., 30c; 2 lbs., 55c; postpaid.

HEMP, RUSSIAN

A very rich, oily seed, much liked by all birds. Should be fed sparingly, as it fattens the bird and injures the song. 1 lb., 25c; 2 lbs., 45c; postpaid. 1 lb., 15c; 2 lbs., 25c; by express.

MIXED SEED FOR CANARIES

All clean, plum seed, in the proportions called for by experienced bird fanciers. 1 lb., 55c; 4 lbs., 95c; 9 lbs., $2.00; postpaid. 1 lb., 40c; 4 lbs., 75c; by express.

LINCOLN BRAND CHICK FEED

This feed we please on the market several years ago and our trade has continually increased until we now sell it in quantities far in excess of any other chicken feed made of the sweetest, purest and cleanest cracked grain and seeds of a uniform size and mixed in the proper proportions for the best results for small chickens. The grains we use in this mixture cost more than are ordinarily used as they are especially cracked and cleaned. Feed this for the first few weeks. Always give your chickens plenty of fresh water. 5 lbs., 25c; 50 lbs., $2.25; 100 lbs., $4.25.

LINCOLN BRAND DEVELOPING FEED

Has no eggs for growing chickens. It is a mixture of small land cracked grains and seeds mixed in the proper proportions for the most rapid growth of poultry. Start all be feed as soon as chicks get too large to feed Lincoln Brand Chk Feed. 6 lbs., 55c; 75c; 100 lbs., $2.10; 100 lbs., $4.05.

LINCOLN BRAND LAYING MASH

A high protein mash for laying hens. It consists of six or eight ground grains with a good proportion of meat scraps mixed in the right proportion for the best results. It is the finest mixture we can prepare regardless of price, is highly recommended by the State Poultry Experiment Station. Should be fed in conjunction with the Lincoln Brand Scratch Feed and kept before them in a hopper of easy access at all times. Be sure and give your laying hens plenty of fresh water. 4 lbs., 25c; 50 lbs., $2.25; 100 lbs., $4.15.

CHARCOAL

This is a most excellent ingredient to mix with mash. 10c per lb. 4 lbs., 25c; 50 lbs., $2.50; 100 lbs., $4.50.

LINCOLN BRAND SCRATCH FEED

This can be used to follow Lincoln Brand Developing Feed. It consists of eight to twelve different kinds of seeds and grains. It contains no oyster shell or grit, any waste material. The fowl always finds something tempting for which to scratch. Keep the hoppers full of this Lincoln Brand Feeds and you will not lack eggs. 6 lbs., 25c; 50 lbs., $2.10; 100 lbs., $4.05.

MAMMOTH RUSSIAN SUNFLOWER

Most important food for parrots. Very nutritious and is liked by all large seed-eating birds. By freight: 1 lb., 59c; 2 lbs., 25c; 11 lbs., $1.75; 50 lbs., $6.00; 100 lbs., $12.00. 1 lb., 25c; 5 lbs., 70c; postpaid.

CUTTLE BONE

Important for canaries, parrots, and all seed eating birds. 2 for 5c. Postpaid: 4c each; 45c per dozen.

SONG RESTORER

It restores to their natural notes, birds which have lost their song from exposure to cold or excessive mingling with domestic fowl. One box will bring good results. Use in connection with their daily food, 25c postpaid. 15c each not postpaid.

We have on hand and for sale at all times a choice lot of Canary Birds, Hartz Mountain, German Rollers, etc., guaranteed singers, priced at from $7.50 to $12 each, delivered to your station. Also a choice lot of females, priced at from $3.50 to $5.00. In addition we also carry a full stock of Bird Supplies, such as Cages, Gravel, etc. Write for special prices.

ALL PRICES ON THIS PAGE SUBJECT TO CHANGE
“Red Snapper” Plant Food

MAKES PLANTS GROW AND BLOSSOM

This Plant Food which is for flowering plants, vines, shrubs, etc., has exceptional merits. We can speak from experience in this regard as we gave it careful tests in our own gardens and greenhouses last summer. It certainly gives plants a quick, yet sturdy, healthy growth. The blossoms come out more profusely; they are larger in size and richer in coloring. This Plant Food is not the ordinary chemical stimulants generally offered for sale, but an organic fertil-izer containing a very rich analysis of Plant Food. It is made from the head bones and nitrogenous cartilage of Red Snapper fish and is dried, sterilized and ground into the finest meal. It is thoroughly clean and sanitary, and can be used in the finest homes and conservatories as well as for out door use. We enclose in each box of Plant Food a small package of so-called Plant Tonic which is used to sweeten sour or dead soil and put it in better condition to assimilate the Plant Food. We wish everyone of our customers would try one or more packages of this article and they will be surprised at the results.

Price: 24 ozs. Plant Food with 4 ozs. tonic in square corrugated paper contained, 60c; postpaid; 50c; not postpaid. 4 lb. package with 8 ozs. tonic, $1.35; postpaid; $1.00, not postpaid. Where these packages are ordered with other goods we prepay express or postage.

CONCENTRATED TABLETS
A New Scientific Concentrated Fertil-izer for Potted Plants and Vegetables
Takes the place of liquid manure. Used by dissolving in water. It starts the plants at once into healthy and vigorous growth and makes them bloom luxuriantly. Trial size box sufficient for 10 house plants for 3 months. 10c postpaid. Regular size box, sufficient for 35 plants for 3 months, 25c postpaid.

WALKER'S EXCELORIS BRAND PLANT FOOD

Flowers are like people, their health depends upon their food. It must be nourished, but not too rich, to force growth and cause reaction. A chemically correct flower food for house plants. It has no odor whatever and can be used dry or dissolved in water for spraying. Use it and your flowers will flourish;

their health will last. Trial size (enough for 10 plants 6 months), 15c, postpaid. Small size (feeds 25 plants for 6 months), 30c, postpaid. Large size (enough for a year for 30 plants), 50c, postpaid.

REEDS AND RAFFIA
NU-REED

Owing to war conditions we have been unable to secure any more of the natural reed and have been forced to substitute Nu-Reed, a reed that has proven, from reports of our natural reed customers, very satisfactory. Send for samples and sizes.

<table>
<thead>
<tr>
<th>Ft.</th>
<th>Price</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>$0.05</td>
<td>120</td>
</tr>
<tr>
<td>40</td>
<td>$0.07</td>
<td>8 oz.</td>
</tr>
<tr>
<td>50</td>
<td>$0.08</td>
<td>6 oz.</td>
</tr>
<tr>
<td>75</td>
<td>$0.10</td>
<td>4 oz.</td>
</tr>
</tbody>
</table>

“RED SNAPPER” PLANT SOAP

This season for the first time we are placing on the market an exceptionally pure grade of fish oil soap. It is sold under the trade name of “Red Snapper” Plant Soap. It is used as a bath for the flowers, and also used as a spray. When used as a bath, a small quantity is diluted with water in the shape of a pail or tub, and if convenient, plants are dipped directly into the solution. Ferns and large plants that can not be handled in this way are sprayed with the solution, being careful that the underside of the leaves are thoroughly wetted. With proper dilution the fish oil soap with sulphur and nicotine is entirely harmless to plants, but death to insects. As this soap combines the three well established and generally used essentials of insect killing elements, extract of tobacco or nicotine, sulphur and fish oil soap, it saves the annoyance of keeping several kinds of insecticides on hand. “Red Snapper” Plant Soap, “A bath for flowering plants” and a sure cure for the insect pests, 25c in U. S., 35c in Canada.

SPRAYING UNDER THE LEAVES KILLS THE INSECTS
A Cake of Tobacco Soap free with each Sprayer

PRICE 50 C.

FOR THE ROSE BUSHES AND GARDEN PLANTS

Will reach Vines ten feet high. Just lovely for the flower bed. If you like flowers, you need this Sprayer.

THE THING LONG NEEDED Just what mother was long looking for. Exc' lent for seeds newly sown they will not wash out to the surface.

H ave ONE COME WITH YOUR SEEDS
Gardeners and owners of lawns in the Middle West country have not yet comprehended the importance of intelligent application of fertilizers. Too often they know not the need of something, and blindly try this and that with much expense and without results. The following is a list of fertilizers we have on hand at all times. We fully recommend these. Write us for quantity prices.

NITRACO

NITRACO has been evolved after years of study of the Fertilizer business and the demands of the gardening public, and is designed to be the most perfect and complete Fertilizer placed upon the market. It is so compounded that it may be termed the "Universal Fertilizer." No soil nor plant is too rich, or too poor, for NITRACO to apply, and this is set forth in our circulars and on the bags, cartons, etc. Care, however, should be exercised to never heavily increase the quantities stated, rather apply often and regularly once a month, and upon strong growing plants every two weeks. NITRACO is packed in 1-lb., and 5-lb. cartons or 5-lb., 25-lb., 50-lb. and 100-lb. heavy drill and burlap bags, and is sold at the following prices: Analysis: Ammonia 4 per cent, Phosphoric Acid 8 per cent, Potash 2 per cent.

1 lb. carton, postpaid............................$0.35
5 lb. carton, postpaid.......................... 65
20 lb. bags, not postpaid........................1.25
50 lb. bags, not postpaid......................2.50
100 lb. bags, not postpaid.................... 4.50

STEAMED GROUND BONE

THE FINEST OF STEAMED BONE

Analysis: Ammonia 3 per cent, Bone Phosphate of Lime 50 per cent

This is finely ground and of first quality; it starts to decompose quickly so results from its use are soon apparent, but it does not dissolve so fast as most chemical fertilizers so it continues for a long period its improvement in the soil fertility. It is less likely than other fertilizers to burn the roots or the plant. With bone there is no danger of burning the plants. It contains 23 per cent Phosphoric Acid, one of the principal plant foods. Use 5 to 10 pounds of bone meal for each tree and vine when setting out, working it in well around the roots.

For New Lawns, use 100 lbs. of bone meal with a ton of steamed bone meal per acre. This should be plowed under or spaded in, several weeks before sowing the seed. Old lawns, top dress very early in Spring with sheep manure and bone meal mixed, at the rate of 2200 lbs. per acre or 50 lbs. per 1000 square feet.

Field and Garden Crops, 2 to 3 tons broadcasted and harrowed in. This is especially desirable for use with sheep or cattle manure which is rich in nitrogen.

PERMANENT Pastures and Meadows

Use 1 to 1 ton per acre before growth starts in the Spring. This will stimulate the growth of the plants and result in improving the stand. Its effect will be apparent for several years. Price: 25 lbs., $1.50; 50 lbs., $2.75; 100 lbs., $5.00.

SHEEP MANURE

Analysis: Ammonia, 2.50 per cent; Phosphoric Acid, 1.50 per cent; Nitrogen, 1.00 per cent. This is a splendid, complete fertilizer containing the necessary plant foods and is also rich in humus, or vegetable matter. It is excellent for general use either alone or in combination with other special purpose fertilizers. Having been klin dried, there is little danger from weed seeds. It can be used freely as it is not likely to burn anything. Part of it is very soluble so its effects are usually apparent soon after the application and for a long time afterwards. It is carefully selected, dried, pulverized and screened.

For Lawns. Pulverized sheep Manure is a fine fertilizer for the lawn. It should be applied by sprinkling lightly over the grass seed or soil on which the seed, in the Spring and up to July 15th. It requires no raking in. The color is not conspicuous and there is no objectionable odor. It nourishes the grass, acts as a mulch, and tend to prevent the lawn from burning in hot weather. Use 50 lbs. per 1000 square feet or 25 lbs. with 25 lbs. of bone meal. See note on bone meal.

For the Garden. After the crop has been harvested in the Full, the garden should be given a good coating of Sheep Manure. In the Spring put on another light coat and turn it under, or sow lightly in the rows.

NITRATE OF SODA

THE UNIVERSAL TOP DRESSER

Analysis: Nitrogen 15 per cent; equal to Ammonia 20 per cent

Quick in action; used for the nitrogen it contains. It creates rapid growth, is odorless, and entirely soluble. It should be applied only when the plants are above ground, usually in combination with other chemical fertilizers.

Nitrogen is the most important element in the production of plant life. When this has become exhausted from the soil, it must be replaced to again insure productivity.

NITRATE of Soda is the best form in which nitrogen can be restored to the soil. It is of special value for early crops such as Peas, Corn, Beets, Cabbage, etc., when rapid maturity is essential, and of great benefit to the flowers and fruits, which are unable to obtain sufficient nitrogen from the soil when they most need it. Nitrates of Soda, is a great stimulant for the growth of Sugar Beets, Potatoes and Sorghum, also small fruits that need a steady, even growth to promote uniform maturity. Price: 1 lb. tin .................. $0.35 25 lb. bag .................. $3.50
5 lb. bag .................. 85 50 lb. bag .................. 5.00
10 lb. bag .................. 1.25 100 lb. bag .................. 8.50

SWARD FOOD

Sward Food is a Top Dressing prepared to feed the green growth of the lawn in the Spring and keep it thick and matted growth of roots, resulting in a compact and velvety turf. It also acts as a preventative and destroyer of the Antler or Grass Moth. It is used in soluble form and contains the the essential for the growth of the grass. Price: 1 lbs., 45c; 10 lbs., 45c; 25 lbs., 1.35.

To Revive Old Grass Around the House, Rape off the dead grass and scratch the growth with a sharp tooth rake. If there are any bare places, sprinkle in a little manure, grass seed or lawn seed then roll or tread spots. Apply a light dressing of "Sward Food" occasionally. Approximate quantity to be used: For say 2000 square feet per acre, 600 to 1000 lbs. It is used up to the small front yard, the little flower bed, the garden patch, or the magnificent lawn: 5 lb. packages: 10 and 25 lb. bundles. Price, 5 lbs., 45c; 10 lbs., 45c; 25 lbs., $1.75.

If your soil is worn out or poor, use Fertilizer. Make every foot of your land pay a dividend.
RABBIT REMEDIES AND SUPPLIES

No other business has known such popularity as the Rabbit industry. At one time Rabbits were merely raised for pets, the children keeping a few in a pen, disposing of the young by giving them to the neighbors. But now their value from a financial standpoint is being recognized; they are as profitable to raise as poultry. Not only are they raised for show purposes, but also for their meat and pelts. It is also a recognized fact that no other animal will produce meat as quickly and as cheaply as they will.

The Rabbit Hutch must be such as will provide plenty of pure fresh air without draft. An outside hutch should have a perfectly tight, dark compartment fully 2 ft. square at one end of the hutch. This should contain plenty of dry straw or hay. "Never use short grass." The open part of the hutch should be the feeding rooms. This should be at least 2 x 3 ft. and covered only with a wire netting. Clean and disinfect thoroughly twice a week.

KEEP YOUR RABBITS HEALTHY

You cannot dodge disease germs, but you can attack them with Mayhew's Germicide. You can attack germs in many places and exterminate them before they can bring disease to your stock. Mayhew's Germicide is a weapon.

NO. 136 PRUNER


Pruning Shears
Nine-inch forged steel polished blades, volute spring. Price, postpaid, $1.40; not postpaid, $1.20.

NO. 9 PRUNER

A good grade of steel, with polished blades. Price, $1.75, by express.

WATER'S TREE PRUNERS

Has cast steel single blade. Wood pole, 8 foot handle $3.60; 10-foot, $3.90, by express.

CONKEY'S POULTRY REMEDIES

Each article must satisfy or you receive your money back
Send 4c to pay postage, and get Big 50c Remedy Book Free
Prices Postpaid

Lice Powder (small) $0.30
Lice Liquid (1 quart) .50
Lice Liquid (½ gallon) .75
Lice Liquid (1 gallon) 1.25
Laying Tonic .30
Laying Tonic .60
Fly Knocker (1 quart) .50
Fly Knocker (½ gallon) .75
Fly Knocker (1 gallon) 1.25

CONKEY'S BUTTERFLY PRUNERS

Has cast steel single blade. Wood pole, 8 foot handle $3.60; 10-foot, $3.90, by express.
# FIELD AND GRASS SEEDS

**JANUARY 15, 1919 NO. 1**

These Prices Subject to Market Changes.

**FANCY SEEDS.** By this we mean the best seed we can secure. On this page we list present prices of all grass and field seeds found in our catalog. Conditions are so unusual this year we cannot tell from month to month what prices on seeds will be. These are the present prices. We would advise all of our customers to order early as possible and in this way secure just what they want at the right prices. The outlook at the present time is that all kinds of seeds will be higher before planting time. Any seed you get from us we would like to have you send to your State Agricultural Department and have it tested both for purity and germination. If it is not just what you bought return it and we will cheerfully return your money.

## CLOVERS AND ALFALFA

<table>
<thead>
<tr>
<th></th>
<th>lb.</th>
<th>10 lb.</th>
<th>60 lb.</th>
<th>100 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa, Lincoln Brand</td>
<td>.30</td>
<td>$2.50</td>
<td>$14.50</td>
<td>$23.50</td>
</tr>
<tr>
<td>Alfalfa, Fancy</td>
<td>.30</td>
<td>2.50</td>
<td>15.00</td>
<td>23.00</td>
</tr>
<tr>
<td>Alfalfa, Choice</td>
<td>.25</td>
<td>2.15</td>
<td>12.60</td>
<td>19.50</td>
</tr>
<tr>
<td>Alfalfa, Torkestan</td>
<td>.30</td>
<td>2.50</td>
<td>15.00</td>
<td>23.50</td>
</tr>
<tr>
<td>Red Clover, Lincoln Brand</td>
<td>.50</td>
<td>4.75</td>
<td>27.50</td>
<td>45.50</td>
</tr>
<tr>
<td>Red Clover, Fancy</td>
<td>.50</td>
<td>4.75</td>
<td>27.50</td>
<td>45.50</td>
</tr>
<tr>
<td>Red Clover, Mammoth</td>
<td>.50</td>
<td>4.85</td>
<td>28.50</td>
<td>45.50</td>
</tr>
<tr>
<td>Alsike Clover, Fancy</td>
<td>.40</td>
<td>3.75</td>
<td>21.50</td>
<td>35.00</td>
</tr>
<tr>
<td>Sweet Clover, White Bluestem</td>
<td>.35</td>
<td>3.00</td>
<td>17.00</td>
<td>27.50</td>
</tr>
<tr>
<td>White Clover, Fancy</td>
<td>.75</td>
<td>7.00</td>
<td>40.00</td>
<td>65.00</td>
</tr>
</tbody>
</table>

## SEED CORN BUTTED, TIPPED, AND HAND PICKED

<table>
<thead>
<tr>
<th></th>
<th>lb.</th>
<th>10 lb.</th>
<th>60 lb.</th>
<th>100 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hagues Yellow Dent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nebraska White Prize</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pride of the North</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Improved White Cap Butcher</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calico Silver Mine</td>
<td></td>
<td>$4.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow Flint</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Improved Read’s Yellow Dent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gold Mine</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## GRASS SEEDS

<table>
<thead>
<tr>
<th></th>
<th>lb.</th>
<th>10 lb.</th>
<th>25 lb.</th>
<th>100 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Fan’y, Blue Grass</td>
<td>.35</td>
<td>$3.25</td>
<td>$7.50</td>
<td>$27.00</td>
</tr>
<tr>
<td>Brome Grass, Fancy</td>
<td>.35</td>
<td>3.00</td>
<td>7.00</td>
<td>27.00</td>
</tr>
<tr>
<td>English Blue Grass</td>
<td>.30</td>
<td>2.75</td>
<td>6.50</td>
<td>22.50</td>
</tr>
<tr>
<td>Red Top, Fancy Hulled</td>
<td>.20</td>
<td>1.95</td>
<td>4.75</td>
<td>18.50</td>
</tr>
<tr>
<td>Red Top, Unhulled</td>
<td>.15</td>
<td>1.45</td>
<td>3.50</td>
<td>13.00</td>
</tr>
<tr>
<td>Orchard Grass, Fancy</td>
<td>.30</td>
<td>2.90</td>
<td>6.50</td>
<td>26.00</td>
</tr>
<tr>
<td>English Rye Grass, 24 bu. to bu.</td>
<td>.20</td>
<td>1.80</td>
<td>4.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Timothy, Fancy</td>
<td>.20</td>
<td>1.90</td>
<td>4.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Lawn Grass, Fancy Mix</td>
<td>.20</td>
<td>1.90</td>
<td>4.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Hog Pasture Mixture</td>
<td>.20</td>
<td>2.80</td>
<td>6.65</td>
<td>26.00</td>
</tr>
<tr>
<td>Highland mixture</td>
<td>.20</td>
<td>2.90</td>
<td>6.75</td>
<td>26.75</td>
</tr>
<tr>
<td>Low Land Mixture</td>
<td>.20</td>
<td>2.50</td>
<td>5.75</td>
<td>23.00</td>
</tr>
<tr>
<td>University Mixture</td>
<td>.35</td>
<td>3.00</td>
<td>7.00</td>
<td>28.50</td>
</tr>
<tr>
<td>Griswold’s Ready Quick. Annual Hog Pasture Mixture</td>
<td>.15</td>
<td>1.00</td>
<td>2.50</td>
<td>7.50</td>
</tr>
</tbody>
</table>

## MILLET

<table>
<thead>
<tr>
<th></th>
<th>lb.</th>
<th>50 lbs.</th>
<th>100 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Wonder</td>
<td>.10</td>
<td>$4.00</td>
<td>$7.50</td>
</tr>
<tr>
<td>Liberty Fancy</td>
<td>.15</td>
<td>3.50</td>
<td>6.50</td>
</tr>
<tr>
<td>Siberian Fancy</td>
<td>.10</td>
<td>2.50</td>
<td>5.00</td>
</tr>
<tr>
<td>Hog, Fancy</td>
<td>.10</td>
<td>2.50</td>
<td>5.00</td>
</tr>
<tr>
<td>Japanese, Fancy</td>
<td>.10</td>
<td>2.75</td>
<td>7.00</td>
</tr>
<tr>
<td>Common</td>
<td>.10</td>
<td>2.75</td>
<td>5.50</td>
</tr>
</tbody>
</table>

## SORGHUM—DROUTH RESISTERS

<table>
<thead>
<tr>
<th></th>
<th>lb.</th>
<th>50 lbs.</th>
<th>100 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schroek Kaffir</td>
<td>.15</td>
<td>$6.00</td>
<td>$10.00</td>
</tr>
<tr>
<td>Sugar Cane</td>
<td>.15</td>
<td>3.50</td>
<td>6.50</td>
</tr>
<tr>
<td>Kaffir Corn</td>
<td>.15</td>
<td>2.75</td>
<td>5.00</td>
</tr>
<tr>
<td>Milo Maitze</td>
<td>.15</td>
<td>2.75</td>
<td>5.00</td>
</tr>
<tr>
<td>Feeders</td>
<td>.15</td>
<td>2.75</td>
<td>5.00</td>
</tr>
<tr>
<td>Jerusalem Corn</td>
<td>.15</td>
<td>2.50</td>
<td>5.00</td>
</tr>
<tr>
<td>Sudan Grass</td>
<td>.15</td>
<td>2.75</td>
<td>5.00</td>
</tr>
<tr>
<td>Tezincite</td>
<td>.15</td>
<td>3.00</td>
<td>6.00</td>
</tr>
</tbody>
</table>

## GRAINS

<table>
<thead>
<tr>
<th></th>
<th>lb.</th>
<th>50 lbs.</th>
<th>100 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spelt or Emmer</td>
<td>.10</td>
<td>$2.75</td>
<td>$5.00</td>
</tr>
<tr>
<td>Flax</td>
<td>.15</td>
<td>5.00</td>
<td>9.50</td>
</tr>
<tr>
<td>Buckwheat, Japanese</td>
<td>.10</td>
<td>3.90</td>
<td>7.50</td>
</tr>
<tr>
<td>Buckwheat, Silver Hull</td>
<td>.10</td>
<td>3.90</td>
<td>7.50</td>
</tr>
<tr>
<td>Broom Corn, Imp’t’d Evergreen</td>
<td>.10</td>
<td>3.50</td>
<td>6.50</td>
</tr>
<tr>
<td>Broom Corn, Oklahoma Dwarf</td>
<td>.10</td>
<td>3.50</td>
<td>6.50</td>
</tr>
<tr>
<td>Soy Bean Soybean</td>
<td>.30</td>
<td>14.00</td>
<td>28.00</td>
</tr>
<tr>
<td>Field Peas, Canada</td>
<td>.30</td>
<td>10.00</td>
<td>20.00</td>
</tr>
<tr>
<td>Whippoorwill Cow Peas</td>
<td>.30</td>
<td>10.00</td>
<td>20.00</td>
</tr>
<tr>
<td>New Era Cow Peas</td>
<td>.10</td>
<td>6.00</td>
<td>12.00</td>
</tr>
<tr>
<td>Dwarf Essex Rape</td>
<td>.20</td>
<td>7.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Spring Vetch</td>
<td>.20</td>
<td>6.25</td>
<td>12.50</td>
</tr>
<tr>
<td>Oats, White Kerson</td>
<td>.10</td>
<td>$2.75</td>
<td>$5.00</td>
</tr>
<tr>
<td>Oats, Kherson</td>
<td>.10</td>
<td>6.75</td>
<td>13.00</td>
</tr>
<tr>
<td>Oats, Swedish Select</td>
<td>.10</td>
<td>7.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Barley, White Husles</td>
<td>.50</td>
<td>9.25</td>
<td>18.50</td>
</tr>
<tr>
<td>Barley, Beardless</td>
<td>.50</td>
<td>9.25</td>
<td>18.50</td>
</tr>
<tr>
<td>Barley, Manchurian, 6 rowed</td>
<td>.20</td>
<td>15.50</td>
<td>31.00</td>
</tr>
<tr>
<td>Barley, Common</td>
<td>.20</td>
<td>13.00</td>
<td>26.00</td>
</tr>
<tr>
<td>Wheat Macaroni</td>
<td>.35</td>
<td>3.25</td>
<td>6.50</td>
</tr>
<tr>
<td>Marquis Wheat</td>
<td>.35</td>
<td>3.25</td>
<td>6.50</td>
</tr>
<tr>
<td>Spring Rye</td>
<td>.30</td>
<td>3.00</td>
<td>6.00</td>
</tr>
</tbody>
</table>

## PULTRY SUPPLIES

**MEAT SCRAPS**

For laying hens may be mixed one part meal scraps to three parts crushed grain, bran or shorts. With hot water or skimmed milk, preferred. Feed night and morning. 3 lbs., 25c; 50 lbs., $3.75; 100 lbs., $7.00.

## BLOOD MEAL

This is pure, rich, dried blood. Very fine for incubator chicks, as it prevents loss from breaking down or leg weakness. Good to feed hens laying. Feed one part blood meal to fifteen parts of mash. 2 lbs., 25c; 50 lbs., $4.75; 100 lbs., $8.00.

## CRYSTAL GRIT

Not only your large fowls, but your small chickens must have grit. Most so-called chicken chokers is simply indigestion caused by lack of grit with which to grind the food. Large, medium and chick. 12 lbs., 25c; 50 lbs., 75c; Clay grit, $1.15 per 100 lbs.; Oyster shells, $1.00 per 100 lbs.

## CRUSHED SHELLS

If you expect your hens to lay eggs you must furnish them with something to make shell. 12 lbs., 25c; 50 lbs., 75c. Clay shells, $1.15 per 100 lbs.; Oyster shells, $1.00 per 100 lbs.

## POULTRY BONE

Should be kept before poultry of all classes, at all times, especially where egg production is desired. The best producers will be the best judges as to the amount they want. Young chickens should be permitted to get it at their pleasure. Large, medium and chick. 5 lbs., 25c; 50 lbs., $2.75; 100 lbs., $5.25.

## LINCOLN BRAND CHICK FEED

Feed this for the first few weeks. Always give your chickens plenty of fresh water. 5 lbs., 25c; 50 lbs., $2.75; 100 lbs., $4.25.

## LINCOLN BRAND DEVELOPING FEED

Has no equal for growing chickens. It is a mixture of small and cracked grains and seeds mixed in the proper proportions for the most rapid growth of poultry. Should be fed as soon as chicks get too large to feed Lincoln Brand Chick.
"Mutual Benefit"

The price of The Farm Journal is $1.00 for 5 years; but since we believe that to read this wide-awake farm and household paper is the greatest benefit to our friends and patrons, and so indirectly to us, we have persuaded the publishers to make us this

SPECIAL TRIAL RATE OF 20 cts.

for a year's trial of the paper.

The Farm Journal is published monthly, 32 to 80 pages, full of new, reliable, practical, up-to-date articles and fine pictures, War news and pictures; full of gumption and sunshine, 42 years old, has 4,000,000 readers, from Maine to California.

Suits Them All—Will Suit You

Care of stock, horses, cows, sheep, swine; big poultry department; all about tractors, engines, autos; orchard, garden, vegetables; pages for young people; dressmaking, fashions, patterns, embroidery; new Hooverized recipes; farm law; beautiful poetry, Walt Mason's "poems in prose"; absorbing short stories of love, adventure, and mystery. Mail this Mutual Benefit Coupon today with two dimes or ten two-cent stamps direct to The Farm Journal. DO NOT SEND IT TO US.

GRISWOLD SEED AND NURSERY COMPANY
Lincoln, Nebraska

SPECIAL: Add 5 cents (25c. in all) and get latest "Poor Richard Almanac," full of wit and wisdom for all.
Try this big live Magazine at this Special 20-cent Rate

You will be delighted with it, and wonder how such a splendid illustrated magazine can cost so little. Sign this coupon below, and mail AT ONCE with only 20 cents, coin or stamps. Money refunded to you any time you say so.

To THE FARM JOURNAL, Philadelphia:
Enclosed find 20 cents for which send me THE FARM JOURNAL one full year on trial. I am not now a subscriber to your magazine.

My name is.

R. F. D. Box.

P. O. State.

IMPORTANT: This trial coupon must be sent direct to The Farm Journal, Philadelphia, Pa. Not accepted for renewals. (If you live in Philadelphia, Canada, or a foreign country, send 35 cents instead of 20, to cover extra postage.)
Wait a minute

Don't seal this envelope until you are sure that you signed your letter or order and gave your complete address. We receive every year hundreds of unsigned letters and orders, and many that lack full address. Please see that this letter is not one of these.
It is often cheaper and safer to send by Prepaid Express than by Mail. Unless R. F. D. is given or Express Station is different from Post Office, we will sometimes send in this way.

**Griswold Seed and Nursery Co.**

8th and N Streets, Lincoln, Neb.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Articles</th>
<th>Price</th>
<th>Y</th>
<th>Quantity</th>
<th>Articles</th>
<th>Price</th>
</tr>
</thead>
</table>

Mail  
Express or  
Freight  
Railroad  

Date: 191  
How shall we send, by  

Send to (Name)  
R. F. D.  
Box  

Ladies will please put the prefix Miss or Mrs.  

Post Office  
County  
State  

Shipping Station  
Amount Enclosed  

Former Address  
Are You a Market Gardener?  

If an old customer.

Packed by  
Billed by
Miscellaneous Supplies

BLATCHFORD CALVES
Over 650,000 calves were raised last year on Blatchford’s Calf Meal in the United States and Canada, according to carefully computed figures.

This proves again that most of the farmers and breeders are fully alive to their own best interests.

Blatchford’s Calf Meal is not an ordinary “feed” or “meal” to be fed indiscriminately; it is a highly concentrated, smooth milk-equal, to be fed with care.

Blatchford’s Calf Meal is for calves what Mellin’s Food is for babies. Raises the finest calves at about half the cost of milk. Prevents scouring. Try a bag on our guarantee. Price, 100 lbs. $5.65; 50 lbs. $2.90; 25 lbs. $1.60.

Calf Dehorner
This comes in the shape of a pencil and is very easily applied. Clip off the hair around the little horn at the time it feels like a button and before it starts through the skin. Dampen it a little with water, and rub it with the Dehorner material. This causes the horn to stop growing, and should be applied when the calf is from 5 to 10 days old. Enough for 25 or 30 calves, price 75c.; postpaid.

NICKEL PLATED MILKING TUBES
Use for sore and obstructed teats and hard milking cows. 2-inch, 2½-inch, 3-inch long. Price 45c. each; postpaid.

MEDICATED NEST EGGS
This is really a Scientific Triumph. A nest egg and lice killer combined in one. Effective, lasting and non-expensive. Price 10c. each, 3 for 25c.; postpaid. By express 6 for 40c.

COMMON NEST EGGS
Made of Plaster of Paris, 7c. each, 4 for 25c.; postpaid. By express 60c. per doz.

THE “CLIPPER”
Farm Grain and Seed Cleaners
No. 1-B and No. 2-B

The Clipper Cleaner weighs every seed and kernel, rejecting the light and worthless seed. Has no equal at any price.
It is well made, nicely finished. Light running. Satisfaction Guaranteed.
No. 1-B—Capacity—Seed Wheat or other grain 20 bushels per hour. Clovers, Alfalfa and other seeds 10 bushels per hour. Price $33.00.
No. 2-B—Capacity on Seed Wheat or other grain, 25 bushels per hour.
Capacity on Clovers or other fine seeds, 15 bushels per hour. Price $42.00.
Send for large catalog of fanning mills.

MILKOLINE

PURE CONDENSED BUTTERMILK FEED PLUS HEALTH
Here’s the Greatest Profit-Maker Ever Offered the Poultry Raiser, Feeder and Packer.

MILKOLINE is a scientific product which eliminates every objection to the use of raw buttermilk, cuts the cost to a mere trifle, includes invaluable medicinal qualities of the best grade buttermilk and is of the same uniform quality in winter or summer, in the far north or the extreme south.

MILKOLINE is simply pure, fresh buttermilk condensed and modified—one gallon equaling 50 gallons of the best buttermilk; retaining food values and acidity without the useless bulk. It is so prepared that it will keep indefinitely in any climate and will not mould, rot or sour.

MILKOLINE has proven its great worth to thousands of poultrymen—including the very largest institutions in America. Their repeat orders month after month and their statements that they would not be without MILKOLINE is proof that our product is what we claim it to be.

Prices

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price Per Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Gallon Kegs</td>
<td>$1.25</td>
</tr>
<tr>
<td>5 Gallon Kegs</td>
<td>1.50</td>
</tr>
<tr>
<td>1 Gallon Kegs</td>
<td>1.65</td>
</tr>
<tr>
<td>1 Quart</td>
<td>.60</td>
</tr>
</tbody>
</table>

ALL ABOVE GOODS BY FREIGHT OR EXPRESS UNLESS POSTPAID

PRICES ARE GIVEN. PRICES SUBJECT TO CHANGE.
GRISWOLD
SEED & NURSERY
COMPANY

GOLDEN PONDEROSA
Per Pkt. 20¢

JOHN BAER TOMATO Per Pkt. 15¢

FRONT AND BACK COVER COLLECTION—70¢