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1907 Griffith and Turner Co.

ESTABLISHED 1860

FARM AND GARDEN SUPPLIES

GENERAL OFFICES, 205, 207, 209, 213 & 215 N. PACA ST.
Baltimore, Md.

BRANCH HOUSES, 366 N. Gay St. Baltimore and Reisterstown, Md.
Prospective customers who are not rated in the Commercial agencies will save time in having their goods shipped by accompanying their orders either with the specifications of quoting on complete outfits. Send for prices.

OUR SPECIALTY is the making of filling orders. Every order is filled and forwarded as promptly as possible, but if not duly received, please notify us and we will make every effort to follow it up. Do not fail to sign your name and give full address.

FOR PACKING AND SHIPPING.-We make no charge for boxes or packing of recall orders, and deliver all goods to any railroad or steamboat free of charge, and will send free of charge for cotton bags as follows: 1 lb. each, 10 cents each; 1 bushel, 15 cents each. 2 bushels, 27 4/5 cents each.

HOW TO REMIT.—Remittances should be made by Draft, Express Money Order, P. O. Money Order or Registered Letter.

WE PAY THE POSTAGE TO ANY POST OFFICE IN THE UNITED STATES ON ALL VEGETABLES AND FLOWER SEEDS, by the Filling Department, Queen's Exchange, Baltimore, Md. Each purchase of 25 cents or over will be shipped at a rate of 8 cents per pound.

On Beans, Peas, Corn, and 6 cents per pint or 15 cents per quart should be added to Catalogue Prices to pay postage.

ON EVERY ORDER be sure to sign your name and give your address plainly, as we frequently receive orders lacking either or both; also give full shipping instructions. State if by freight or express and give route. This saves delay.

HINTS TO MARKET GARDENERS.—Market gardeners, and all other purchasers of Seeds in large quantities, should send for our special prices.

TIME FOR SOWING IN THE OPEN GROUND.

THESE DIRECTIONS apply to the vicinity of Baltimore and Philadelphia. South of this they should be sown earlier, and North later.

BEANS.—From 1st of May to August.
BRASSICA.—Early in the spring and late in summer.
CABBAGE.—For early use, sow in hot bed in February and transplant in April to open ground; for late use, sow in May or June.
CAULIFLOWER.—Sow about the same time as cabbage. For late crops, sow about the middle of June, when the weather will have head up in cool weather, and escape injury from the heat.
CABBAGE.—From early, sow from 1st of April to middle of May, and for Airships in Jersey in July.
CELERI.—Sow as soon as ground is open in spring, and transplant in July.
CUCUMBER.—Sow from 1st of May to early, and for pickling, in July.
Lettuce.—Sow as soon as ground can be worked in spring, and at intervals as desired.
MELONS.—Sow in May and June.
ONION.—Sow in spring as possible late spring.
PARSNIP.—Soon as ground can be worked.
PEAS.—Sow in March, and at intervals through the season, as desired.
PUMPKIN.—Plant in May or June.
RADISH.—Sow as soon as ground is ready, and all through the season, at intervals.
SQUASH.—Soon as ground is warm.
Tomato.—Sow in hot bed in March, and transplant about middle of May.
TURNIP.—For early use, in April; for main crop, and July and August.
CABBAGE.—1 oz. of Seed will produce........... 2000 plants.
CAULIFLOWER.—1 oz. of Seed will produce........ 3000 plants.
CELERI.—1 oz. of Seed will produce.............. 3000 plants.
EGG PLANT.—1 oz. of Seed will produce........ 1000 plants.
LETTUCE.—1 oz. of Seed will produce........... 2000 plants.
POTATO.—1 oz. of Seed will produce.............. 1500 plants.

TO COUNTRY MERCHANTS.

WE PUT UP VEGETABLE SEEDS in papers for the Country Trade in quantities to suit purchasers.

WEIGHT OF AGRICULTURAL SEEDS, PER BUSHEL, AND QUANTITY USUALLY SOWN PER ACRE.

<table>
<thead>
<tr>
<th>Weight per Bushel</th>
<th>Pounds per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 lbs. Kentucky Blue</td>
<td>26 lbs.</td>
</tr>
<tr>
<td>10 lbs. T. (Tobacco)</td>
<td>30 to 40 lbs.</td>
</tr>
<tr>
<td>10 lbs. Red Top, if for pasture</td>
<td>30 to 50 lbs.</td>
</tr>
<tr>
<td>22 lbs. Turnip, if reseeds</td>
<td>20 to 30 lbs.</td>
</tr>
<tr>
<td>14 lbs. Orchard Grass</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>14 lbs. English Rye or Perennial Rye</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>12 lbs. Italian Rye</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>14 lbs. Meadox Fescue</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>14 lbs. Tilton Fescue</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>20 lbs. Sheep Fescue</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>30 lbs. Meadox Fother</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>31 lbs. White Grass</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>14 lbs. White Sweet Vernal</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>14 lbs. A. L. Sweet Vernal</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>39 lbs. Creeping Bent</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>14 lbs. Tall Meadow Grass</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>55 lbs. Annual Ryegrass, with other grasses</td>
<td>8 to 10 lbs.</td>
</tr>
<tr>
<td>26 lbs. Alfalfa, alone</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>20 lbs. White Clover, alone</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>30 lbs. Annual Ryegrass</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>30 lbs. Evergreen Lawn</td>
<td>3 to 4 lbs.</td>
</tr>
<tr>
<td>30 lbs. Templeton Grass</td>
<td>4 to 5 lbs.</td>
</tr>
<tr>
<td>15 lbs. German Milet</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>50 lbs. Hungarian Milet</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>50 lbs. Together for an acre</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>14 lbs. Red Clover, alone</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>14 lbs. Red Top</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>60 lbs. Wheat, in drills</td>
<td>1/2 to 1 bus.</td>
</tr>
<tr>
<td>8 lbs. Rye, broadcast</td>
<td>1/2 to 2 lbs.</td>
</tr>
<tr>
<td>5 lbs. Soy beans, drills</td>
<td>2 to 2 1/4 lbs.</td>
</tr>
<tr>
<td>6 lbs. Sorghum, drills</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>8 lbs. Sorghum, broadcast</td>
<td>1 bus.</td>
</tr>
</tbody>
</table>

VEGETABLE SEED TABLE.

THE QUANTITY OF SEED USUALLY SOWN TO AN ACRE.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Quantity per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>1 lb.</td>
</tr>
<tr>
<td>Beans, pole, in hills</td>
<td>8 to 10 lbs.</td>
</tr>
<tr>
<td>Cabbage, in beds, to transplant</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>Carrot, in drills</td>
<td>2 to 3 lbs.</td>
</tr>
<tr>
<td>Corn, in hills</td>
<td>1 to 2 lbs.</td>
</tr>
<tr>
<td>Kale</td>
<td>4 to 6 lbs.</td>
</tr>
<tr>
<td>Melon, musk</td>
<td>2 to 3 lbs.</td>
</tr>
<tr>
<td>Mustard, broadcast</td>
<td>4 to 6 lbs.</td>
</tr>
<tr>
<td>Mangels, parsnip</td>
<td>4 to 6 lbs.</td>
</tr>
<tr>
<td>Onions, in drills to make large hills</td>
<td>6 to 8 lbs.</td>
</tr>
<tr>
<td>Onion Seeds, for small sets</td>
<td>10 to 30 lbs.</td>
</tr>
<tr>
<td>Parsnips, in drills</td>
<td>6 to 8 lbs.</td>
</tr>
<tr>
<td>Peas, broad</td>
<td>1 bus.</td>
</tr>
<tr>
<td>Peas, narrow, in drills</td>
<td>2 lbs.</td>
</tr>
<tr>
<td>Radish, in drills</td>
<td>2 lbs.</td>
</tr>
<tr>
<td>Spinach, in drills</td>
<td>1 bus.</td>
</tr>
<tr>
<td>Squash, running varieties, in hills</td>
<td>3 to 4 lbs.</td>
</tr>
<tr>
<td>Turnip, in drills</td>
<td>2 to 3 lbs.</td>
</tr>
</tbody>
</table>

QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF PLANTS, NUMBER OF HILLS, OR LENGTH OF DRILLS.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>1 oz. to 50 ft. drill</td>
</tr>
<tr>
<td>Beet</td>
<td>1 oz. to 50 ft. drill</td>
</tr>
<tr>
<td>Celery</td>
<td>1 oz. to 100 ft. drill</td>
</tr>
<tr>
<td>Endive</td>
<td>1 oz. to 150 ft. drill</td>
</tr>
<tr>
<td>Egg Plant</td>
<td>1 oz. to 400 ft. drill</td>
</tr>
<tr>
<td>Lettuce</td>
<td>1 oz. to 400 ft. drill</td>
</tr>
<tr>
<td>Okra</td>
<td>1 oz. to 100 ft. drill</td>
</tr>
<tr>
<td>Onion</td>
<td>1 oz. to 100 ft. drill</td>
</tr>
<tr>
<td>Parsley</td>
<td>1 oz. to 150 ft. drill</td>
</tr>
<tr>
<td>Pole Beans</td>
<td>1 oz. to 150 hills</td>
</tr>
<tr>
<td>Corn</td>
<td>1 oz. to 200 hills</td>
</tr>
<tr>
<td>Watermelon</td>
<td>1 oz. to 30 hills</td>
</tr>
<tr>
<td>Musk Melon</td>
<td>1 oz. to 60 hills</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>1 oz. to 40 hills</td>
</tr>
<tr>
<td>Early Squash</td>
<td>1 oz. to 50 hills</td>
</tr>
<tr>
<td>Winter Squash</td>
<td>1 oz. to 100 hills</td>
</tr>
<tr>
<td>Celery</td>
<td>1 oz. to 100 hills</td>
</tr>
<tr>
<td>Cabbage</td>
<td>1 oz. to 3000 plants</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>1 oz. seed will produce 3000 plants</td>
</tr>
<tr>
<td>Celery</td>
<td>1 oz. seed will produce 3000 plants</td>
</tr>
<tr>
<td>Egg Plant</td>
<td>1 oz. seed will produce 3000 plants</td>
</tr>
<tr>
<td>Pepper</td>
<td>1 oz. seed will produce 10000 plants</td>
</tr>
<tr>
<td>Tomato</td>
<td>1 oz. seed will produce 1500 plants</td>
</tr>
</tbody>
</table>
Nitrogen-Collecting Bacteria

A MISUNDERSTANDING.

When this method of obtaining nitrogen from the atmosphere was first agitated and placed experimentally among farmers in various sections of the country, the result was so gratifying that others, not thoroughly understanding all the conditions attendant upon the proper applications, jumped to the conclusion that any soil upon which the bacteria were applied would produce like results. They did not stop to consider that where there is sufficient nitrogen no more can be taken up by the soil, in consequence apparent failure was the result. Again, some have imagined that these bacteria would of themselves alone fill all the requirements of the soil, without the knowledge perhaps that other chemicals must either be in the soil or applied, such as phosphoric acid, and some form of potash, either or both.

Do not lay the blame of failure on the inoculation of the seed when bad seed, improper cultivation and unfavorable weather conditions are the real causes. Failure is almost certain where the directions are not carefully studied and intelligently followed. In the use of cultures for inoculating the farmer should be guided, as in all other matters pertaining to soil treatment, by his own peculiar needs and should not give too great weight to the experiences of others whose soil conditions may differ widely.

OTHER REASONS FOR FAILURE.

There is also another reason why some have failed to reap fondly anticipated results, and that is soil acidity. All of these false ideas separately or combined have created erroneous ideas in the mind of the average layman.

INTELLIGENT APPLICATION.

Where intelligently applied, and the application made where nitrogen is needed, all other things being equal, without an exception the results have been most flattering and we feel justified in continuing to place this material on the market.

CORRECT THEORY.

The theory is an absolutely correct one, and we anticipate in the near future a great increase in the use of this Nitrogen Collecting Bacteria. The mere fact that the Cow Peas are planted in the same hill with corn, a better crop is the inevitable result. The reason is obvious—the Cow Pea being a legume, or nitrogen gatherer, has the faculty of abstracting from the atmosphere this needed plant food by means of the bacteria contained in the nodules, placing it in direct contact with the roots of the corn.

RESULTS.

We refer you to results reached through experimentation by the Maryland Agricultural Experiment Station, College Park, Md., in planting corn and cow peas in the same hill. A short while ago one of our most valued customers voluntarily told us that the result reached through the use of Nitrogen Collecting Bacteria was very surprising, and he made the statement for us to publish in order that more of our customers might be encouraged to adopt it.

Again, our Mr. Griffith's farmer stated that the result with him was at least a third increase over seed that had not been inoculated.

These bacteria multiply in the soil very rapidly, and it is possible to treat crops by mixing the bacteria with the soil. This is called inoculating the soil. It is a dangerous proceeding to use inoculated soil unless prepared from your own land, for the simple reason that you may thereby introduce seeds of noxious weeds or the germs of plant disease. Aside from this the expense of hauling or freighting inoculated soil would be almost as great, if not as great, as would be the use of other nitrogenous fertilizers. The benefit does not cease with the crop inoculated, for in many cases better results have been obtained from the succeeding crops, such as wheat, corn, potatoes, barley, etc., than from the first crop.

Cultures are furnished for the following named seeds only:

- Alfalfa, or Lucerne.
- Red Clover.
- Alsike Clover, White Clover.
- Crimson Clover.
- Burr Clover.
- Japan Clover.

Field Peas (Canada Field Peas.)
Garden Peas.
Sweet Peas.
Cow Peas and Clay Peas.

Prices: - Special Garden Package, each 25c.; 1/2 acre, $1.00; 1 acre, $1.50; 2 acres, $2.50; 3 acres, $3.00; 5 acres, $5.00; 20 acres, $15.00, and 50 acres, $40.00.

Always state when ordering the kind of seed to be inoculated, as well as number of acres. This will save much delay and trouble. Cultures will keep one year from date of shipment, and can be used within that time.
OUR SEEDS are the BEST that can be obtained anywhere, because we are as careful in our selection as it is possible for anyone to be, and are constantly on the lookout for the best of everything, but will not put on the market anything until it has been thoroughly tried and proved.

We do not advertise "cheap seeds," because the best seeds cannot be put in competition with "cheap seeds," but we sell as low as any of the other reputable houses in the country. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our constantly and rapidly increasing trade does and will testify.

Our seeds are ALL TESTED thoroughly before being placed on the market.

HOW TO ORDER TO AVOID DELAY.

All orders from unknown correspondents should be accompanied with the cash. Money can be safely sent by check, postoffice order, express money order, registered letter or by express, or postage stamps for small amounts. We prepay postage on all orders of Vegetable and Flower Seeds, by the pound, the purchaser pays the postage at the rate of 6 cents per pound. On Beans, Peas and Corn, 5 cents per pint or 15 cents per quart should be added to catalogue prices to pay postage.

By writing out your order on the order sheet sent with each catalogue, you will greatly facilitate our work. Extra order sheets sent on application. Be sure to sign your name in full, giving postoffice and shipping point. If you have rural delivery, give name and number of route. If you want goods shipped by boat or railroad, state which you prefer and what line to send by.

GRIFFITH & TURNER CO. give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

ASPARAGUS, German, Spargel. Etc.

This is one of the earliest spring vegetables, and should be in universal use. Many persons think it is difficult to grow, but we consider this a mistake, and believe it can be produced as cheaply and easily as any on the list. Sow the seed in the seed bed late in the fall or in the early spring, as soon as the ground can be worked, in drills one foot apart, covering the seed about one inch deep. When the plants are four to five inches high, great care should be taken to keep the bed free of weeds. One ounce of seed will sow forty feet of row. This to nine inches in the row.

PALMETTO ASPARAGUS

This Asparagus, said to have originated in South Carolina, is now quite extensively grown by Southern gardeners for New York and Philadelphia markets, where it sells at very high prices, owing to its mammoth size and regularity. An average bunch of 15 shoots will measure 13 to 14 inches in circumference. For several seasons this Asparagus has reached the Northern markets 15,000 tons of all other varieties, and sold at fabulous prices. Pkt., 5c.; Osz., 10c.; ½ lb., 25c.; 1 lb., 50c.; 5 lbs., $2.00.

CONOVER'S COLOSSAL.—The old and well-known variety. Pkt., 5c.; Osz., 10c.; ½ lb., 25c.; 1 lb., 50c.; 5 lbs., $1.50.

Asparagus Roots.

A saving of one to two years is effected by the use of roots, requiring about 100 roots, should give a sufficient supply for an ordinary family. 220 roots will plant an acre. Select good loamy soil, sow deep, put in good quality of manure, and boil 10 pounds salt to 1,000 square feet of bed. Incorporate thoroughly, make a trench eight inches deep, and set plants fifteen inches apart. In field culture rows are placed four feet apart.

BARR'S MAMMOTH...

Per 100. Per 1000...$1.50...

COLOSSAL (GREEN)...

70c. 4.50...

PALMETTO (GREEN)...

70c. 5.00...

MAMMOTH WHITE, a seeds...

Extra size roots, 50c. per 1000 additional to above prices, by express, not prepaid.

ARTICHOKE.

LARGE GREEN GLOBE.—This is a very nice vegetable to eat. Some prefer it cooked like Asparagus; that is, take the flower head before it begins to open and cook much the same way as Asparagus. Pkt., 10c.; Osz., 30c.; 1 lb., $1.00.

JERUSALEM.—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk. Pkt., $1.00. Bushel, $2.50.

Mammoth White Asparagus.

In addition to the mammoth advantage of its pure white color, the Columbian Mammoth White Asparagus is even more robust and vigorous in habit and throws larger shoots, and fully as many of them, as the Conover's Colossal.

When we add to these the immense advantage of its needing no earthing up in order to turn the white shoots so much sought after, we think it evident that it will be superior to any sort now in cultivation, and that no Asparagus grower can afford to plant seed of any other kind. Market gardeners, growers for canners and amateurs should give this great acquisition a thorough trial. Pkt., 5c.; Osz., 10c.; ½ lb., 20c.; 1 lb., 60c.

BARR'S MAMMOTH.

This splendid variety is highly recommended for its many good qualities, is very productive and about 10 days earlier than Conover's Colossal. The stalks are very large, and retain their thickness completely up to the top of the shoots; very tender and succulent; of delicious flavor; grow very quickly, light in color. Pkt., 10c.; ½ lb., 15c.; 1 lb., 50c.; 5 lbs., $2.00.

BEST ASPARAGUS BUNCHES.—$1.50.

ASPARAGUS KNIVES.—20c. By mail, 40c.

ASPARAGUS KNIFE.

Made of solid steel; good cutting point. Price, 30c. each. By mail, 40c.
BEANS.

DWARF BUSH OR SNAP.

1 quart will plant 100 feet of drills.

Add 5c. per pint, or 15c. per quart, on all Beans if to be sent by mail.

Select light, warm soil, and plant when danger from frost is past in the spring, in drills 4 to 24 feet apart, drooping the Beans about 2 inches apart in the drills, and cover 2 inches deep. A succession of sowings can be made from the first week in May until August.

DWARF PROLIFIC BLACK WAX. — Yellow pod, a very superior and vigorous variety, ripening among the first earlies, and having the best characteristics. 


DWARF GROWTH PODED.

EARLIEST MARKET. This is well named, being the earliest bean known in existence, and therefore very profitable to the market gardener, and desirable to the private gardener as well. The plants are long, broad, green and very showy, reaching the market in 30 days from germination, and the habit of vine very productive. Pint, 25c. Quart, 30c. Peck, $1.75. Bushel, $6.00.

EXTRA EARLY RAINFALL (Flat green pod). — A prolific and continuous bearer. The first in the spring, the last in the fall. Absolutely stringless, very tender, and of delicious flavor. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.50.

BLACK VALENTINE. This excellent extra early variety has perfectly round, straight pods of excellent quality. It is suitable both for early and late planting, being extremely hardy. A most desirable sort for the market gardener, owing to its numerous yielding qualities, large and handsome appearance. Pint, 15c. Quart, 30c. Peck, $1.75. Bus., $6.00.

EXTRA EARLY REFUGEE. — It is similar in every respect to the ordinary Refuge, but is nearly two weeks earlier. It is enormously prolific, and from its earliness is almost certain to produce a crop, no matter how unfavorable the season. Is rapidly becoming a favorite sort, as it matures equally early with Red Valentine, and has that beautiful silvery green color in the pod that is so much desired. Pint, 15c. Quart, 20c. Peck, $1.25. Bushel, $4.00.

GRIFFIT & TURNER CO.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
**BUSH LIMA BEANS.**

**DREER’S BUSH LIMA.**
A dwarf variety of the Deere’s Improved Lima, which has been fixed in its character of a bush bean; it is very prolific, single plants often producing from 180 to 200 pods. Equal in quality and tenderness to Deere’s Pole Lima.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pint</td>
<td>$0.15</td>
</tr>
<tr>
<td>Quart</td>
<td>$0.30</td>
</tr>
<tr>
<td>Peck</td>
<td>$1.30</td>
</tr>
<tr>
<td>Bushel</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

**HENDERSO’S DWARF LIMA.**
These are very valuable because they are so dwarf, but being so dwarf can be planted close together. They are very early and prolific, continuing to bear until frost.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pint</td>
<td>$0.15</td>
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<tr>
<td>Quart</td>
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<tr>
<td>Peck</td>
<td>$1.30</td>
</tr>
<tr>
<td>Bushel</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

**BURPEE’S BUSH LIMA.**

**BURPEE’S QUARTER CENTURY BUSH LIMA.**—A strain of the above, but an improvement. About 10 days earlier. Pint, 20c. Quart, 30c. Peck, $1.85.

**POLE LIMA BEANS.**

**FORD’S MAMMOTH POLE LIMA BEAN.**—The pods grow to an average length of 8 inches, and are 1 inch in diameter. The Lima is a plant of most excellent quality for use as a table bean, or for drying. The pods are filled with delicious, tender, and nutritious beans, which are extremely tender and fine in flavor. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

**BURPEE’S BUSH LIMA.**
The bush Lima is 18 to 25 inches high, stout growths and always erect, but they are very vigorous, and strong enough to develop into a magnificent bush Lima, from 210 feet in diameter. It is an immense yielder, bush Lima bearing from 90 to 200 pods of the handsome large pods Pint, 15c. Quart, 30c. Peck, $1.55. Bushel, $5.00.

**SEIBERT’S LARGE EARLY.**—A very early and prolific strain of the Large Lima. The Lima bean is larger than those of the Large Lima, thicker, sweeter and more tender and nutritious than beans grown in pole Lima for a long time. Pint, 15c. Quart, 25c. Peck, $1.25. Bushel, $5.00.

**SEIBERT’S EXTRAVAGANT LIMA.**—This strain is several years earlier than other sorts; the pods are large and numerous, making it very profitable. Pint, 15c. Quart, 30c. Peck, $1.50. Bushel, $5.00.

**SEIBERT’S IMPROVED CHALLENGE POLE LIMA.**—This popular bean is considered by many growers superior to all others in quality and productivity. When grown on single and double poles, the Lima Lima is as large as the Large Lima, thicker, sweeter and more tender and nutritious than beans grown in pole Lima for a long time. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

**KING OF THE POLE LIMA.**—This Lima has been selected for its large size, and for its earlier bearing qualities. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

**WASHINGTON LIMA.**—This Lima is produced from the large Lima Lima Lima. The Lima Lima Lima is as large as the Large Lima, thicker, sweeter and more tender and nutritious than beans grown in pole Lima for a long time. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

**CAROLINA OR SIEVA.**—A seedling variety of Large Lima, with small pods, usually about 2 inches long. A little earlier and harder. Pint, 15c. Quart, 25c. Peck, $1.40. Bushel, $5.00.

**POLE BEANS.**

Set the poles 3 or 4 feet apart and plant 6 to 8 beans, with the eyes downward, around each pole, thinning to 4 healthy plants when they are up. They require the same soil and treatment as the dwarf varieties with the exception that they create stronger soil and do best in a sheltered location.

**MARYLAND WHITE.**—This new White Bean is destined to take its place as one of the best beans ever grown for general purposes. Its thick, meaty, green pods are very tender, rich in flavor, and produced in great abundance. It is equally valuable as a snap or shell bean. It has been grown in Maryland for a very limited time, and those who have grown it once want it again. Pint, 15c. Quart, 30c. Peck, $1.50. Bushel, $5.00.

**LAZY LADY.**—Large, pale green pods, thick-mounded, stringless, rich, tender and buttery; ripens early; grows well to the pole; extremely productive; splendid either as a snap or shell bean. Pint, 15c. Quart, 30c. Peck, $1.50. Bushel, $5.00.

**KENTUCKY WONDER OR OLD HOMESTEAD.**—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 20 or 10 inches in length, nearly round; well filled, tender, and very close. Pint, 15c. Quart, 30c. Peck, $1.65. Bushel, $5.50.

**SPECKLED HORTICULTURAL OR WREN’S EGG.**—An old favorite for both snap-shorts and dry beans. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.


**CREASE-BACK, OR PATRIDGE.**—A well-known and highly esteemed variety. The Crease-back is very productive; forms full, round pods; fleshy, stringless and distinctly creased along its back; hence its name; especially valuable for its extreme earliness and habit of perfecting all pods at the same time. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.


**SPECIAL CUT-SHORT, OR CORN-HILL.**—An old variety, very popular for planting among corn, and will give a good crop, without the use of poles; vines medium, with dark-colored, smooth leaves; pods short, cylindrical and tender. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

**DUTCH CASE KNIFE.**—Vines moderately vigorous, climbing well; may be used for a corn-hill bean. Leaves large, crumpled; blossoms white; pods long, flat, irregularly shaped, but becoming flat; white beans brown; yellow, white, and green; dry. Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

When beans are to be sent by Mail, Add for Postage, 8c. Per Pint, 15c. Per Quart.
**BEETS.**

**SELECT** a deep, rich sandy loam, and manure with well decomposed compost or a good chemical fertiliser. Sow in drills, 14 to 16 inches apart, and cover 1 inch deep. When the young plants appear, thin to 4 or 5 inches apart. For early use, sow as soon as the ground can be worked in the spring; for autumn use, about the middle of May, and for winter use, during June or July, according to the variety—the long varieties requiring more time to mature than the round, early kinds.

**G. & T. Co.'s Early Blood Turnip Beets**

**DETOX DARK RED TURNIP BEET.**

This is one of the finest formed and handsome-colored Beets on the market. It is unsurpassed in the uniformity and beauty of the crop. It is exceedingly early and produces more marketable specimens on the same acreage than any other variety.

Pkt., 5c. 0z., 10c. ½ lb., 15c. Lb., 50c.

**EDMUND'S RED TURNIP.**

The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size, and deep blood color. It lifts a small top, and may be planted close.

Pkt., 5c. 0z., 10c. ½ lb., 15c. Lb., 40c.

**CROSBY'S IMPROVED EGYPTIAN BEET.**

Very superior strain of the well-known Egyptian, carefully selected, blood color, quick rapid growth. The shape is very desirable, as shown in the accompanying photograph, being not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. It may be sown outside as late as July.

Pkt., 5c. 0z., 10c. ½ lb., 20c. Lb., 50c.

**BEETS FOR STOCK.**

SOW 4 POUNDS TO THE ACRE.

Beets grow larger than any other Beets, and hence require more room. They should be sown from April to June, in drills 2½ feet apart, and the plants thinned to 12 to 15 inches in the row. The attention of farmers to the growing of Beets for stock-feeding has rapidly increased, but it should be grown more generally, and will show the results in the health and condition of the stock. It supplies good, rich food for cattle during the winter.

**CHAMPION YELLOW INTERMEDIATE, OR GATE-POST MANGOLD.**—One of the very finest Mangolds ever introduced, giving unbounded satisfaction wherever grown. With good cultivation it will crop at the rate of 200 bushels per acre.

4 lb., 10c. Lb., 25c. 5 lbs., $1.00.

**WHITE SUGAR BEET.**—A large-growing sort, and used for feeding stock.

1 lb., 10c. Lb., 25c. 5 lbs., $1.00.

**RED MANGOLD WURZEL.**—The well-known, large, long variety: grows well out of ground. Color light red. Very productive.

1 lb., 10c. Lb., 25c. 5 lbs., $1.00.

**GOLDEN TANKARD MANGOLD.**—The best type of Mangold—small and smooth. Skin thin and broad shoulders, very solid fleshed, golden-stemmed, heavy producer. ½ lb., 10c. Lb., 25c. 5 lbs., $1.00.

**BROCCOLI.**

This is often called Broccoli by market gardeners, but belongs to the Kale family. Very spreading in habit, and beautifully curled. Seed very scarce.

Pkt., 5c. and 10c. 0z., 15c. ¼ lb., 50c. Lb., $1.50.

**BORECOLE.**

**ONE OUNCE OF SEED WILL SOW ONE HUNDRED FEET OF DRILL.**

**ECLIPSE BEET.**

This extra early Beet is remarkable for its fine quality and rapid growth; is of deep red color and handsome shape. As an early market sort it is unrivaled. It is, to a large extent, superseding the Egyptian, being earlier in development, more attractive in appearance, and of superior quality for the table.

Pkt., 5c. and 10c. 1-4 lb., 15c. Lb., 40c.

**BRUSSELS SPROUTS.**

(10c. Seed to 100 Yards of Row.)

A class of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens. Plant in rich soil, in hills 2 feet apart each way. Packets, 5c. and 10c. Ounce, 15c. 1-4 lb., 45c. Lb., $1.60.

**BRUSSELS SPROUTS.**

(10c. Seed to 100 Yards of Row.)

The Broccoli are closely allied to the Cauliflower family. They require similar cultivation and treatment to Cauliflower.

**DETROIT PURPLE CAPE.**—Large, compact. Pkt., 10c. 0z., 35c.

**LARGE EARLY WHITE.**—Head white, like Cauliflower; the best. Pkt., 10c. 0z., 35c.
CABBAGE.

German, Kopfkohl.

CABBAGE must have good land; plow deep and fertilize liberally, as it is a strong feeder. The early sorts bear planting from 18 inches to 2 feet in the rows; the larger varieties from 2 to 3 feet in the rows, with the rows from 3 to 3½ feet apart, according to variety of Cabbage. It does not pay to buy cheap Cabbage Seed. Our are American grown and from the best stock in the country. For early use, sow in a hot-bed in February or March, and set out in a cold-frame as soon as large enough. In April the plants may be set out in the rows. For late crop, sow in nursery bed in May or June, and transplant as soon as the plants are 5 or 6 inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows.

KING OF EARLIES.—Our own introduction. American grown. An extra early variety, fully a week ahead of all other varieties in forming marketable heads; the heads are tall and slim and of rather small size, formed like a Wakefield. Habit, vigorous; short stem and proof against sun. Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 40c. Lb., $1.50.

EXTRA EARLY EXPRESS.—Heads are comparatively thicker and less pointed than Jersey Wakefield and slightly later. Head softer, but stands shipping better. Pkts., 5c. and 10c. Oz. 15c. ½ lb., 40c. Lb., $1.50.

EARLY WINNINGSTADT.—Head large, cone-shaped and solid. An old and popular sort. Pkts., 5c. and 10c. Ounce, 15c. ½ pound, 40c. Pound, $1.25.

LARGE OR CHARLESTON WAKEFIELD.

CHARLESTON, OR LARGE WAKEFIELD.

American Grown.

This is now a very popular market cabbage, fully meeting the demand for a cabbage having all the characteristics of the Jersey Wakefield, but larger. It is five to six days later than Early Jersey Wakefield. The heads are fully one-half larger, and quite solid. It is very compact in growth, and can be easily planted in rows two feet apart, and twenty inches in rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury until a favorable opportunity for cutting. No market or private gardener desiring a cabbage of this kind should fail to plant this valuable sort. Pkts., 5c. and 10c. Ounce, 20c. ½ pound, 50c. Pound, $1.75.

Early Dwarf Flat Dutch.

American Grown.

An old standard variety, which stands the sun and produces fine large heads, coming in soon after the Wakefield. Pkts., 5c. and 10c. Ounce, 15c. ½ pound, 50c. Pound, $1.50.

Henderson’s Early Spring.

An extra early round-headed cabbage of the early summer type. Packet, 10c. Ounce, 20c. ½ pound, 50c. Pound, $2.00.


SELECT EARLY JERSEY WAKEFIELD.

American Grown.

The very best early cabbage, grown more extensively by market gardeners than any other variety. It is early, the heads are pyramidal in shape, very large and solid, and having few outside leaves, the plants can be set close together. We secured our seed from a grower of the best Wakefield of the country, and it is giving good results whatever it is used, so much so that our sales of this sort are rapidly increasing each year. The demand for this sort has brought on the market inferior stock at a low price, but when select stock such as we offer is used, it cannot fail to give satisfaction. Pkts., 5c. and 10c. Ounce, 20c. ½ pound, 50c. Pound, $1.75.

EARLY SUMMER CABBAGE.

LARGE EARLY SUMMER.

American Grown.

One of the earliest of the summer varieties. Heads large and flat; short stemmed, few outside leaves, uniform in character, and about ten days later than the Wakefield. It is very popular with the truckers. Pkts., 5c. and 10c. Ounce, 15c. ½ pound, 40c. Pound, $1.25.

EARLY “ALL-HEAD.”

All-Head Early Cabbage.

American Grown.

This is the largest of all Cabbages, fully one-third larger than the Early Summer, therefore more profitable to the market gardener. It is the nearest approach to a thoroughbred Cabbage of any variety, both in size and uniform development. As the All-Head comes in quicker than any of the other flat cabbages, it is consequently more tender. It is also valuable for a late or winter cabbage. Pkts., 5c. and 10c. Oz. 20c. ½ lb., 50c. Lb., $1.75.
**GRIFITH & TURNER CO.**

**CABBAGE—Continued.**

**LOUISVILLE Drum Head.**—American grown. This is the most popular intermediate or second early with market gardeners around Louisville and the Southwest. It comes off medium early, withstands heat to a remarkable extent, heads large, solid and uniform in size and color. We recommend this sort very highly for the Southern and Middle States.

Pkts., 5c and 10c. Oz., 15c. 1/4 lb., 40c. Lb., $1.25.

**SURE HEAD.**—Am. grown. This popular cabbage is rightfully named Surehead, as it never fails to make a fine, large, solid head, with few outer leaves. It is a strong, vigorous grower, and very uniform in size and color. Always brings the highest price in our markets.

Pkts., 5c and 10c. Oz., 20c. 1/4 lb., 50c. Lb., $1.75.

**ALL SEASONS.**—Am. grown. This forms a fine, large head, of superior quality, nearly as early as the Early Summer. Suitable for planting at any season.

Pkts., 5c, and 10c. Oz., 20c. 1/4 lb., 50c. Lb., $1.75.

**NEW EARLY CABBAGE.**

**NEW EARLY.—** American grown. This is one of the finest large early cabbages grown. Forms solid, compact heads, and leaves grow close to the head, thus allowing many more cabbages to be grown on the acre than any other sort. One of its most striking features is its earliness. It heads so rapidly that the worms can't hurt it.


**SUCCESSION CABBAGE.**

A fine early variety, coming in a few days later than Early Summer, but it is immeasurably superior to that variety. It is nearly twice the size, and is absolutely true to its type under all conditions. In addition to this, it has no tendency whatever to run to seed. It is one of the finest sorts in existence today, whether for medium early, main crop or late use, it has no superior. It is so finely bred and true to type that in a field of twenty acres every head appears alike. We can recommend it either for the market gardener, trucker or private planters, as it is a perfect Cabbage in every respect, not only being of the largest size, but of handsome color and of the finest quality. It is probably the safest variety for an amateur top plant, as it does well at all seasons, and one is almost sure of getting a crop, no matter when it is planted. Pkts., 5c, and 10c. Oz., 20c. 1/4 lb., 50c. Lb., $2.00.

**SUCCSSION CABBAGE.**

**BOSS FLAT DUTCH—LATE CABBAGE.**

**BOSS FLAT DUTCH CABBAGE.**—Am. grown. In again calling the attention of market gardeners and truckers to this magnificent Cabbage, we say that it has fully met the claims we made for it upon its introduction. When we ask our customers if they like it, their answer is "splendid" or "elegant," everything else; "you can scarcely find any that don't head." The heads are large, hard, thick and flat, the leaves lapping across the center, making it the most desirable winter variety in cultivation. Try it and be convinced of its superior quality.

Pkts., 5c and 10c. Oz., 15c. 1/4 lb., 50c. Lb., $1.50.

**PREMIUM LARGE FLAT DUTCH—LATE CABBAGE.**

**PREMIUM LARGE LATE FLAT DUTCH CABBAGE.**—Am. grown. Large and excellent for winter, very extensively grown. The head is broad, thick and flat, well covered in by leaves lapping across the center, outside leaves feathered to the base of the leaf stem.

Pkts., 5c, and 10c. Oz., 15c. 1/4 lb., 50c. Lb., $1.50.

**SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.**
LATE CABBAGES—Continued.

G. & T. Co.'s Large Gilt Edge Snowball Cauliflower

Is without exception one of the finest sorts now in cultivation. It is very early. Nearly every plant will, under proper cultivation, form a perfect snow-white head, and its close growing, compact habit enables the grower to plant one-third more on the same space of ground than other varieties. In fact, it is, and deserves to be, the standard with the market gardener and amateur.

Purpose, 25c. and 50c. ¼ lb., 75c. oz., $2.75.

G. & T. Co.'s "DRUITH-RESISTING."—Produces large white solid heads, maturing about a week later than our large Gilt Edge Snowball. The best for hot, dry weather.

Purpose, 25c. and 50c. ¼ oz., 75c. oz., $2.50.

1/4 lb., $1.00.

G. & T. Co.'s SELECT EARLY DWARF ERPFURT.—Long the standard of highest excellence, and still holding its own with a great many people.

Purpose, 25c. and 50c. ¼ oz., 75c. oz., $2.25.

EARLY PARIS.—An excellent early or late use. Packet, 5c. and 10c. oz., 50c.

DWARF ERPFURT.—An inexpensive sort, but will give good results under favorable conditions.

Purpose, 5 and 10c. oz., 50c.

One ounce of seed will produce 2,000 plants.

Culture.—The same as for Cabbage, except that extra manure and plenty of water will pay upon Cauliflower. If the soil be dry, water frequently. If the plants have a heavy mulch of hay or straw, it would keep the soil moist, and the plants would not suffer enough to plant out not later than the middle of April; the late kinds may be planted out same time as for Cabbage.

CRESS, or Pepper Grass.

Used as a small salad. Sow very thickly in shallow drills, on a smooth surface, at short intervals throughout the season.

CURLED—Packet, 5c. Oz., 10c. ½ lb., 20c. Lb., 50c.

WATER CRESS.—Water Cress may be grown either in the warmest weather in ditches or ponds, and has a ready sale in the hotels and markets.

Purpose, 5c. and 10c. Oz., 30c. ¼ lb., $1.00. Lb., $3.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
CARROTS thrive best in rather a light, rich loam. The ground should be well manured with fine well-rotted or composted manure, and be thoroughly worked quite deep. Sow from middle of April to middle of May, in rows 14 inches apart, and thin the plants to 3 or 4 inches in the row. For field culture, Carrots should be sown in drills 3 to 3½ feet apart, so as to cultivate with horse.

**IMPROVED LONG ORANGE.**

Deep orange color, long, smooth, fine for either garden or field culture. All who have cattle should raise a surplus of this Carrot for feeding milk cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 70c.

**DANVERS.**

A decided acquisition of the half-long type, broad-shouldered, cylindrical, admirable in color, fixed in habit, a wonderful producer. It is a first-class Carrot for all soils. Pkt., 5c., Oz., 10c. 1-4 lb., 20c. Lb., 70c.

**GUERANDE, OR OX HEART.**

A new French variety, intermediate length, of fine quality; excellent table sort. The shape is nearly oval, and the color and quality all that can be desired. No market gardener should be without it. Pkt., 5c. and 10c. 1-4 lb., 20c. Lb., 75c.

**CELERY.**

German, Celerie.

1 OZ. WILL PRODUCE 2000 PLANTS.

PARIS GOLDEN CELERY.

(French Stock.)

This cannot be too highly recommended, as after being thoroughly tested it has fulfilled all that has been claimed for it. It is decidedly the very best and most profitable Celery in cultivation; it is very early and entirely self-blanching. The beautiful appearance of the plant, its close habit, compact growth, straight, vigorous stalks, mild crisp, brittle ribs, fine quality and delicious flavor commend it to all lovers of Celery. No variety can surpass it. Indeed, equal the Paris Golden Self-Blanching in its striking appearance and delicious flavor. Our stock of this variety has been giving the market gardeners the very best results for several years.

Pkt., 5c. and 10c. Oz., 30c. 1 lb., $1.00. Lb., $3.50.

GOLDEN SELF-BLANCHING CELERY.

(American Stock.)

This is a selection from the French stock grown here, and is a favorite sort with market gardeners being very largely used.

Pkt., 5c. and 10c. Oz., 20c. 1 lb., 90c. Lb., $3.00.

ROSE-RIBBED PARIS SELF-BLANCHING.

This is a sport of the Golden Self-Blanching, identical in habit, growth, early maturity, and as easily blanched. The stalks, however, are naturally quite heavily tinted with red, so that when blanched they show a distinct pink line in the ribs, contrasting finely with the rich golden yellow. Pkt., 10c. Oz., 25c. 1 lb., 75c. Lb., $2.50.

IMPROVED BOSTON MARKET.

This is a decided improvement on the old Boston Market, being earlier, larger in size, and of more vigorous growth.

Pkt., 5c. and 10c. Oz., 15c. 1 lb., 15c. Lb., $1.50.
CELERY. German. Celerie.

CONTINUED.

1 Oz. Will Produce 2000 Plants.

P.LANT SEED in hot-bed or very early in open ground. Transplant 4 inches apart when 3 inches high, in rich soil, finely pulverized; water and protect until well rooted. In June or July transplant into rows 3 to 4 feet long, either on surface or well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 6 to 8 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

WINTER QUEEN CELERY.

It is, without doubt, the most valuable variety of Celery for winter and spring use ever introduced. It is also much stouter, thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches a cream white. ribs perfectly solid, crisp and of delicious nutty flavor.

Pkt., 10c. OX. 15c. 1-4 lb., 50c. Lb., $1.50.

GOLDEN HEART, OR GOLDEN DWARF CELERY.

This is identical with the White Plume, but with a

GIANT GOLDEN HEART CELERY

PLANT SEED in hot-bed or very early in open ground. Transplant 4 inches apart when 3 inches high, in rich soil, finely pulverized; water and protect until well rooted. In June or July transplant into rows 3 to 4 feet long, either on surface or well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 6 to 8 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

HEART, OR GOLDEN DWARF CELERY.

This old standard variety still holds a high place in the estimation of market growers, and is a beautiful all cream white giving satisfaction. A showy sort, solid, of fine flavor and a good keeper.

Pkt., 5c. and 10c.
OZ., 15c. ¼ lb., 40c. Lb., $1.25.

WHITE PLUME.

An EARLY, handsome, self-bleaching variety, growing in popularity every year. Like the Golden Self-Blanching, it requires very little earthing up to blanch it, and as a Celery for fall and early winter use it is unsurpassed. Pkt., 5c. and 10c.

OZ., 20c. ¼ lb., 50c. Lb., $1.75.

A SELECTION from the well-known Self-Blanching Celery. It partakes of the best qualities of that variety, is somewhat larger, and an excellent keeper. It is of fine, nutty flavor, being entirely free from any bitter taste. It grows about 2 feet high. The stalks are very broad, thick and crisp; the width and thickness of these are distinctive features of the variety.

Pkt., 5c. and 10c.
OZ., 15c. ¼ lb., 50c. Lb., $1.50.

CELERIAC.

OR TURNIP ROOTED CELERY.

NEW APPLE SHAPE.

Small rolls, large, round, and smooth.

Pkt., 5c. and 10c.
OZ., 15c. 1-4 lb., 40c. Lb., $1.50.

LARGE SMOOTH PRAGUE.

The largest, smoothest and best of the Celeriacs. Pkt., 5c. and 10c.
OZ., 15c. ¼ lb., 40c. Lb., $1.25.
CAUTION. Sweet Corn in bulk, even after being thoroughly cured, will often gather moisture and spoil, particularly if it has been exposed to a low temperature. To prevent this it should be taken out of the bag as soon as received and spread in a dry place.

SWEET OR SUGAR CORN.
FOR TABLE USE.
GERMAN, WELSCHKORN.

WHEN CORN IS WANTED BY MAIL, ADD 8 CENTS PER PINT TO PAY POSTAGE.

CULTURE.—Sugar Corn may be planted in rows 3 to 4 feet apart, and the seeds placed about 8 inches apart in the rows, or planted in hills 3 to 4 feet apart each way, according to variety grown or richness of soil. Do not let more than three plants remain in each hill. It can be planted in this vicinity from first of May to last of July for succession of crop. By planting every two weeks a family may have good corn throughout the whole season.

FIRST EARLY VARIETIES.
EXTRA EARLY BALTIMORE.
The hardest and earliest variety for table use; it can be planted earlier than any other, but is not a sweet corn; white indented grains and short ears. Ear, 5 c., Doz., 50c. Qt., 25c.


EARLY BURLINGTON HYBRID.—Not a true sugar corn, but a hybrid or mixture between the sugar corn and the Adams Early, being as early as Adams, but having a larger ear. It closely resembles the sugar corn. Pt., 10c., Qt., 2c., 2 Qts., 4c., Peck, 75c.

MIXITY-DAY CORN (Red Cob).—This is an elegant corn for truckers and market gardeners, as it is as good seller as green corn, and if not used as green corn makes a good variety for feeding purposes. It may be planted for early crop and at intervals until the middle of July. Many truckers use it for their late planting, as it produces a very sure crop. Qt., 15c., 2 Qts., 25c., 4 Qts., 30c. Peck, 50c. Bus., $1.50.

MEDIUM EARLY VARIETIES.
PREMO.—The best early sweet corn on the market. A genuine sweet corn as early as the Adams, Extra Early, and larger than any other early variety. This variety is the best ears measuring 7 to 8 inches long, being well filled to the end. Generally bearing two ears to the stalk. Pt., 15c., Qt., 25c. Peck, 90c. Bus., $3.00.

FIRE ANN.—A selection from the Cory, the ears about the same size as the Cory, lighter in color and earlier. Pt., 15c., Qt., 25c. Peck, 90c. Bus., $3.00.


STABLE.—One of the earliest and smallest varieties in the market. It is known, in the closet, as the Earl, 5c., Doz., 40c. Pt., 10c., Qt., 20c. Peck, 75c. Bus., $2.50.


MAIN CROP VARIETIES.

STOWELL'S EVERGREEN.
STOWELL'S EVERGREEN.—So well known that it scarcely needs description. Excellent; keeps green till cold weather; early large, hard, corn, and sweet. Puts out well at the end. Ear, 5c., Doz., 40c. Pt., 10c. Qt., 20c. Peck, 75c. Bus., $2.50.

EARLY MAMMOTH.—A splendid market sort, producing large, hard, corn, grain large, white and sweet. Puts out well at the end. Ear, 5c., Doz., 40c. Pt., 10c. Qt., 20c. Peck, 75c. Bus., $2.50.

MAIN CROP VARIETIES—Continued.

HICKOXY.—A very handsome and excellent variety of sugar corn; large, white grain and sweet. Ear, 5c., Doz., 40c. Pt., 10c. Qt., 20c. Peck, 75c. Bus., $3.00.

IMPROVED NE PLUS ULTRA.—Early, good-sized ears and deep grain. Very productive, some stalks yielding four ears on one plant, crop running as high as three ears to the stalk. Pt., 10c., Qt., 20c. Peck, 75c. Bus., $2.50.

COUNTRY GENTLEMAN.

COUNTRY GENTLEMAN CORN.—This is the sweetest and most deliciously-flavored of all sugar corn. It is the finest variety for the table, and will delight the most fastidious epicure. It produces three to four ears to the stalk, and retains its greenness longer than other sorts. Pt., 10c. Qt., 20c. Peck, 75c. Bus., $3.00.


EGYPTIAN, OR WASHINGTON MARKET.—A large variety, somewhat resembling the Evergreen; flavor peculiarly rich and sweet, and of superior quality; one for market. Ear, 5c., Doz., 40c. Pt., 10c. Qt., 20c. Peck, 75c. Bus., $2.75.

ZIGZAG EVERGREEN.—This is one of the sweetest and best late sweet corn, not even excepting the celebrated Country Gentleman and Shoe Peg. The ears resemble Stowell's Evergreen in size and shape, except that the kernels are placed irregularly or zigzag upon the cob, which is always an indication of great sweetness in any variety of sugar corn. Pt., 10c. Qt., 20c. Peck, 90c. Bus., $3.00.


SUGAR CORN.—For fodder. Write for Prices.

TRUCKER'S EARLY CORN.

TRUCKER'S EARLY SUGAR CORN.—This is the most desirable variety of sugar corn for truckers and gardeners to plant early. As its many excellent qualities are becoming generally known, it has come to be one of the standard sorts. It is ten days earlier than Evergreen, very productive, growing two to four ears to the stalk. The ears set low, are large and well filled, the grain long and narrow, similar to Evergreen. It belongs to the same family as Evergreen, and is one of the most productive varieties in cultivation. Ear, 5c., Doz., 50c. Pt., 15c. Qt., 25c. Peck, 90c. Bus., $3.00.

NEW GOLDEN BAYTAM SUGAR CORN.—The earliest and best of sugar corns. It is of golden color and delicious flavor, with the sweetness of honey: can be planted earlier than the other varieties of true sweet corn as it is very hardy. The stalks are dwarf in habit, growing about four feet high, producing two or three good ears, five to six inches long, well set from the ground. Pt., 15c. Qt., 30c. Peck, 90c.

Truckers Write for Prices in Quantity.
CUMBERLAND.

A new and distinct variety, said to have originated from crossing the Parisian Pickling and the Early White Spine. It certainly has the good qualities of each of these sorts. The fruits are large, symmetrical, dark green, covered with innumerable small white spines, and are of prime quality for slicing. The vine is vigorous, wonderfully prolific, and continues in bearing much longer than most sorts.


EARLY GREEN Prolific.—A very productive variety, having fruits of good length and handsome form. Desirable for producing pickles of medium size and of fine quality when sliced for the table.

Packet, 5c. Ounce, 10c. 1/4 lb., 20c. Lb., 75c.

EXTRA EARLY WHITE SPINE.—A strain of White Spine which has been improved through careful selection, with due regard to use for forcing in hothouses and frames; also elegant for field culture. Our stock produces handsome, dark-colored fruits, which retain their color longer than other sorts.

Packet, 5c. Ounce, 10c. 1/4 lb., 20c. Lb., 75c.

ARLINGTON WHITE SPINE.—A favorite extra early variety, of desirable size, handsome shape, dark-green color, holding its color longer than most others. Good shipper and sells well.

Packet, 5c. Ounce, 10c. 1/4 lb., 20c. Lb., 75c.

German, Cucumber. Prices Subject to Change Without Notice.

CULTURE.

For very early Cucumbers sow the first of April in a hot-bed upon pieces of sod (grass side down) so that they can be readily transplanted to the open ground. In rich soil when danger of frost is over, or protect by hand-glasses. The vines require a warm location for early Cucumbers. Plant after the ground has become warm in hills 4 feet apart for the smaller varieties, and 5 feet for the larger sorts. For pickling sow from middle of June to last of July. Manure with ashes, fertilizer or some well-rotted compost, working the manure just under the surface. Sprinkle the vines with lime, plastered of alf-slawed lime, to protect from bugs. The Cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness.

WHITE WONDER CUCUMBER.

The White Wonder surpasses the White Pearl both in handsome appearance and fine quality, while its strong, vigorous, extremely healthy habit of growth enables the vines to produce a large crop of perfect fruit even under adverse conditions. Its strong constitution is exceptional. The Cucumbers are thickly set throughout the length of the vine, and are remarkably uniform in color, shape and size.

Packet, 5c. Ounce, 10c. 1/4 lb., 25c. Lb., 53c.

IMPROVED LONG GREEN.

Has long been a favorite with growers; dark green, firm and crisp. Superior for pickles and for market.

Packet, 5c. Ounce, 10c. 1/4 lb., 20c. Lb., 75c.

LONG GREEN TURKEY.

A very showy and excellent sort.

Packet, 5c. Ounce, 10c. 1/4 lb., 25c. Lb., 53c.

Baltimore White Spine.

This is the best Cucumber for early planting, because it will retain its green color longer than any other sort. It is of good size and shape, and the popular variety with truckers around Baltimore and Norfolk, as well as the growers from Virginia to Florida.

Packet, 5c. Ounce, 10c. 1/4 lb., 25c. Lb., 53c.

JERSEY PICKLING.

This is the most popular sort with the market gardeners around Baltimore and Philadelphia for pickling. Said to grow better than any other variety.

Packet, 5c. Ounce, 10c. 1/4 lb., 20c. Lb., 75c.

CHICAGO PICKLING.

Very Popular with Chicago Market Gardeners, and Extensively Grown in that Vicinity.

Packet, 5c. Ounce, 10c. 1/4 lb., 25c. Lb., 53c.

GHERKIN, OR BURR.

Used For Pickles Only.

Packet, 5c. Ounce, 10c. 1/4 lb., 25c. Lb., $1.25.
EVER-BEARING CUCUMBER.

This variety is unique, and will prove valuable both for the table and for pickling. It is of small size, very early, enormously productive, and extremely valuable as a green pickler. The peculiar merit of this new Cucumber is that the vines continue to flower and produce fruit until killed by frost, whether the ripe Cucumbers are picked off or not, in which respect it differs from all other sorts in cultivation.

Pkt., 5c. OZ., 15c. ¼ lb., 35c. Lb., 90c.

Cool and Crisp.

This is the earliest and one of the most prolific pickling Cucumbers. The Cucumbers are straight, long, even and slim and of a dark color; it is very tender and crisp.

Pkt., 5c. OZ., 10c. ¼ lb., 20c. Lb., 75c.

Early Cluster.

A short, prickly variety, bearing in clusters near the root. A good bearer.

Pkt., 5c and 10c. OZ., 15c. ¼ lb., 50c. Lb., 75c.

Japanese Climbing Cucumber.

It bears abundantly throughout the season, while the climbing habit enables the hanging fruit to grow perfectly straight, from 12 to 18 inches in length; the Cucumbers are thick, tender and of delicate flavor; flesh white; skin dark green, turning to brown, and netted when ripe.

Pkt., 10c. OZ., 15c. ¼ lb., 40c.

English Forcing Cucumber.

Should be grown in hot-beds where the temperature does not fall below 60 degrees at night. TELEGRAPH is the best. 25c. Packet.

GREEN CURLED ENDIVE.

German, Endivien.

IS ONE OF THE BEST SALADS FOR FALL AND WINTER USE. One Ounce of Seed to 150 Feet of Row.

For early use, sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry and tie with matting or soft fibrous material. Another method is to invert flower pots over the plant. The leaves are very highly esteemed for use as salads.

CULTURE.—Sow the seed in hot-beds early in March. When three inches high, pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky. They can be planted out, from the pots, when the season becomes sufficiently warm, in May or June, or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant, about three feet apart each way, in thoroughly worked and well-enriched soil. Draw the earth up to the stems when about a foot high. Egg Plant Seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary. Care should be observed in cutting the fruit, so as not to disturb the roots of the plants. One ounce will produce about 1,000 plants.

Baltimore Egg Plant.—This is decidedly the best and most profitable Egg Plant in cultivation. It is large, thornless, of beautiful shape and handsome purple color. We have never seen finer specimens of Egg Plant than those grown from our seed. When inspecting the field of Egg Plants growing for seed we were surprised at the regular size and uniform, handsome color of the fruit all over the field.

Pkt., 10c. OZ., 30c. ¼ lb., 90c. Lb., $3.00.

Black Beauty Egg Plant.—The earliest of all large fruited egg plants, and produces fruits quite as large as the NEW YORK PURPLE in 10 days less time. The fruit is symmetrical in shape, of uniform size, of a dark rich purple color, which does not fade or change to lighter color at blossom end like some other varieties. Just the variety for the market gardener and trucker for early spring trade.

Pkt., 10c. OZ., 35c. ¼ lb., $1.00. Lb., $3.50.

New York Improved Large Purple Egg Plant.—This market garden variety has plants of strong growth and is very productive, producing plants of large size and fruits of smooth, deep purple color until frost.

Pkt., 5c. and 10c. OZ., 25c. ¼ lb., 75c. Lb., $2.50.
KALE.

**German, Blätter-Kohl.**

The Kales are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by frost. For early spring use, sow broadcast in September, to protect during winter. It must also be sown in April or May for later use.

**Dwarf Green German Kale.**—This variety sown in September broadcast, and gathered in early spring like spinach. It may also be sown early in the spring for later use.

Pkt., 5c. 
1/4 lb., 15c. 
1 lb., 40c.

**NORFOLK.**—A variety used by the truckers of Norfolk for shipment North. Light green color and leaves much curled.

Packet 5c. 
1/4 lb., 10c. 
1 lb., 20c.

**Dwarf Green German Kale.**

**Extra Curled New American Kale.**

This is an extra curled, long-standing variety of a beautiful green color; stands the winter well, and will stand longer in the spring before going to seed than other variety.

Pkt., 5c. 
1-4 lb., 15c. 
1 lb., 40c.

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KOHLRABI

**1 oz. of Seed to 100 Yards of Row.**

**White Vienna.**

BULB LIGHT GREEN. 
FLESH WHITE. 
VERY RAPID IN GROWTH. 
EARLY MATURITY. 
FINE IN TEXTURE AND SYMMETRICAL IN FORM. 
SUPERIOR.

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**Improved Kohlrabi.**—Pkt., 5c. and 10c. 
1-2 lb., 15c. 
1 lb., 25c.

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LEEK.

**German, Lauch.**

**1 oz. of Seed to 150 Feet of Row.**

Select good Onion soil, manure liberally, plant in April in drills 6 to 8 inches deep, and 18 inches apart, thin to 9 inches apart in the drill. Gradually draw the earth around the plants until the drills are filled level with the surface. Draw for use in October. To be used in soups or boiled as Asparagus.

**Extra Large Mammoth.**—A large and strong plant; hardy. The best variety for general culture.

Pkt., 5c. 
Oz., 10c. 
1-4 lb., 30c. 
Lb., $1.00.

**Musselburgh.**—Oz., 15c. 
1-4 lb., 50c. 
Lb., $1.50.

**Large Rouen.**—Pkt., 5c. and 10c. 
20c. 
1-4 lb., 40c. 
Lb., $1.25.

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LETTUCE.

**German, Lattich.**

Lettuce requires a rich and rather moist soil and the rows should be about 12 inches apart, and the plants thinned to 10 or 12 inches apart for the leading varieties. The more rapid the growth the better the quality. Some varieties are peculiarly adapted for early culture, others for summer growth.

**G. & T. Co.'s White Seed Summer Lettuce.**

The Best Summer Lettuce Ever Introduced.

This variety, introduced by us recently, has exceeded our expectation. Those who purchased it were delighted with their crops, and came back for more seed. This Lettuce will stand the summer heat better than most sorts, and makes magnificent heads. We expect this sort to grow in favor wherever known. It has a beautiful green color; head solid; light leaves; nicely crinkled; very tender and of most excellent flavor.

Pkt., 5c. 
Oz., 20c. 
1-4 lb., 50c. 
Lb., $1.50.

**Tennis Ball.**—Black seed. A favorite forcing variety; a very hard head. Pkt., 5c. and 10c. 
Oz., 15c. 
1-4 lb., 30c. 
Lb., $1.00.

**Early White Cabbage, or Butter.**—A broad-leaved, vigorous-heading sort; white, showy and desirable. Pkt., 5c. 
Oz., 15c. 
1-4 lb., 30c. 
Lb., $1.00.

**Early Curled Simpson.**—Black seed; early; excellent for salads; forms a compact mass of leaves. Pkt., 5c. and 10c. 
Oz., 15c. 
1-4 lb., 30c. 
Lb., $1.00.

**G. & T. Co.'s Summer Lettuce (Black Seed).**—This Lettuce is becoming very popular among gardeners for summer use. It produces a splendid, large, solid head, of the Cabbage type, remaining a long time in prime condition without going to seed; in fact, it is often necessary for the seed growers to slit open the head in order to allow the seed stalk a chance to develop. It is of a light green color, fine quality, crisp, tender, and nearly every plant will make a fine solid head in the hottest weather, when other varieties refuse even to grow.

Pkt., 5c. and 10c. 
Oz., 15c. 
1-4 lb., 30c. 
Lb., $1.00.

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ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
IMPROVED NEW YORK, or "WONDERFUL." Plants of extra large growth, producing heads of immense size under favorable conditions. Inner portion is beautifully blanched, and stands for a considerable time before running to seed. Outer leaves a deep, rich green.

**Baltimore Cabbage Lettuce**

G. & T. CO.'S TRUE STOCK.

Large Heads, Beautiful Heads, Solid Heads, Stands Heat Well. Best of all for FALL PLANTING.

This new Lettuce, which we introduced a few years ago, and claimed to be one of the best ever put on the market, and which produced such a sensation among the large growers who tried it, still holds a high place among Lettuce. As soon as the growers discovered its merits they came for more seed, and recommended it to all their friends; these, in turn, were delighted with their crops, as the result more than justified all we claimed for it. A grower at Gardenville, N. Y., says: "I had 3000 heads of your Baltimore Cabbage Lettuce, and they all headed but one; they are slow to run to seed." The heads are large and solid—color, pretty light green, and very slow to seed; in fact, it is just what the truckers and gardeners want. A large grower in New Jersey writes: "The Baltimore Cabbage Lettuce I had of you was certainly very fine." Baltimore Cabbage Lettuce is a most popular variety, being highly recommended by those who have tried it.

**IMPROVED NEW YORK, or "WONDERFUL."**

Plants of extra large growth, producing heads of immense size under favorable conditions. Inner portion is beautifully blanched, and stands for a considerable time before running to seed. Outer leaves a deep, rich green.

**Large Loaf Lettuce.**

This is so well known to truckers and gardeners around Baltimore and Norfolk that for them it scarcely needs description. For the benefit of those who are not acquainted with it, would say it makes large, compact heads, of beautiful light green color, very tender and crisp. This is unsurpassed for frame use, and is also an excellent outdoor Lettuce for fall or early spring.

**LARGE LOAF LETTUCE.**

**Baltimore Oak Leaf.** This Lettuce will resist the heat of summer and stand longer before running to seed than any variety we have ever known. It makes a large, solid head, and is very popular with those who know it.

**BIG BOSTON.**

The same in color, shape and general appearance as the Boston Market, double the size. A most desirable sort either for forcing in cold frames or planting in open ground, popular with truckers, as it makes large, solid, salable heads. Very highly recommended by those who have tried it.

**BIG BOSTON.**

**Romaine or Paris White Cos.** Differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height and five or six inches in diameter. The outer coloring of this variety is yellowish green. It is very hardy and of good flavor. To Blanch perfectly it must be tied up.

**ROAMINE OR PARIS WHITE COS.**

**Mammoth Black Seeded Butter Lettuce.** A strain of large, smooth-leaved, head lettuce, forming very large, solid cabbage-like heads of thick, brittle leaves; the inner ones becoming very white, tender and fine flavored.

**CALIFORNIA CREAM BUTTER LETTUCE.**

This is fairly well known, and has given good results with the growers.

**HANSON.**

A variation of the Indiana, forming a half-closed head.

**Salamander (Black Seed).**

An excellent sort for spring or summer use; forms good-sized heads of excellent quality.

**Defiance.**

Stands summer heat better than any other variety; one of the finest large-growing varieties. It forms very large, solid heads, so firm they have to be cut open to allow the flower heads to come through.

**BOSTON MARKET.**

White seed. A celebrated variety in New England, of good heading habit; small, early and compact; quite desirable.

**GRAND RAPIDS.** This variety is largely grown for shipment, and is considered by many the best loose-headed Lettuce for forcing under glass. Leaves medium size, of light, yellowish-green color, smooth, crinkled and frilled, thin, but of very upright growth; crisp, tender and of good quality. Owing to its upright habit, it may be planted very closely, it is of extremely rapid growth; very little liable to rot; will stand without spoiling a week to ten days after it is fit to cut, and retains its freshness a long time after cutting.

**Large Loaf Lettuce.**

This is so well known to truckers and gardeners around Baltimore and Norfolk that for them it scarcely needs description. For the benefit of those who are not acquainted with it, would say it makes large, compact heads, is of beautiful light green color, very tender and crisp. This is unsurpassed for frame use, and is also an excellent outdoor Lettuce for fall or early spring.

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CULTURE.

One ounce of seed to 50 hills. Sow about the last of spring or the first of summer, in hills of light, rich, sandy soil, four feet apart, allowing but three plants to grow in each hill; after they have grown about a foot long, pinch off the points of shoots, which causes the vines not only to become stronger, but makes them produce lateral branches and prove more productive and mature earlier. It should not be grown near squashes, cucumbers or pumpkins, as the flavor will be affected in consequence.

Baltimore Nutmeg Cantaloupe.

The cut is from a photograph taken from a sample lot of Baltimore Nutmeg Cantaloupes gathered from the field where our seed was grown, and is a fair representation of the whole crop. The stock seed of this splendid melon was secured from a trucker who enjoys the reputation for raising the finest Cantaloupes that come to the Baltimore market. The writer also tested the fruit, and found it to be of excellent flavor. It is green-dashed, and the rind is handsomely netted. It is well known and popular with the truckers and market gardeners of Baltimore, Washington, Norfolk and other places; in fact, it is a leading sort all over the country.

Pkt., 5c.; Oz., 10c. ½ lb., 25c. Lb., 75c.

EMERALD GEM.

Green, salmon color, exceedingly sweet and delicious; very early and prolific. One of the best for family use. Its appearance is not attractive, but try it, and you will want it again.

Pkt., 5c.; Oz., 10c. ½ lb., 25c. Lb., $1.00.

OSAGE, OR MILLER’S CREAM.

Most delicious. The flesh is a rich salmon color, very thick, sweet and rich; rind very thin and finely netted.

Pkt. 5c.; Oz., 10c. ½ lb., 25c. Lb., 75c.

EARLY NETTED GEM.

Extensively grown, and many prefer it to all others for table use. Grows remarkably uniform: thick netted, flesh light green in color, and of fine, juicy flavor; skin green, regularly ribbed and thickly netted; very productive and extra early in ripening; will keep for nearly a week after picking, and is especially suited for shipping in baskets or crates.

Pkt., 5c. and 10c. ½ lb., 25c. Lb., 75c.

IMPROVED JENNY LIND.

A small, early variety of surpassing good quality, highly recommended for family garden. We consider this the most delicious Cantaloupe we have ever eaten, and while the fruit is small, it is an abundant bearer. A market gardener having this sort for sale would in a short time have no difficulty in disposing of all he could raise.

Pkt., 5c.; Oz., 10c. ½ lb., 25c. Lb., 70c.

TRUE TO NAME.

The Rocky Ford I got of you last year was excellent, and every hill proved true to name.

J. A. RICHARDSON, Smithsburg, Md.

I am more than pleased with your seed.

N. E. MILLER, Virginia.

Rocky Ford Melon.

This has become one of the most popular of small or basket melons, largely owing to the fact that growers in the Rocky Ford region pack and ship their fruit in a most attractive manner. The fruit is oval, slightly ribbed, densely covered with coarse netting; flesh thick, green, very sweet and high-flavored.

We have an exceptionally fine stock of this variety grown from choice selected specimens.

Pkt. 5c.; Oz., 10c. ½ lb., 25c. Lb., 75c.

All Prices Subject to change without Notice.
MUSK MELONS—Continued.

PAUL ROSE.

This variety originated with one of the most successful melon-growers in the country, who reports that when planted for market the fruit has brought him nearly twice as much as any he realized from any other sort. In this new sort are combined all the good qualities of the Netted Gem and the Orange, the varieties from which it originated. The fruit is oval, about 5 inches in diameter, and in shape and general appearance similar to the well known Netted Gem or Rockey Ford. The firm flesh is a rich orange-red color, like that of the trace, but even sweeter and higher flavored, retaining its good qualities quite to the rind. We have found the fruit the most uniformly good of any musk melon we have ever grown, every one of the hundreds tested being sweet and rich flavored. It is rare that a musk melon of such superlative quality is a good market or shipping sort, but the firm, solid flesh and thin but strong rind of this sort makes it the best shipper we know of, while it is just the size for hotel and table use. We think it really has no equal as a market melon for professional melon-growers, and it is one of the very best sorts for the home garden. Pkt., 5c. Oz., 10c. 1/4 lb., 25c. 1 lb., 50c.

NORFOLK BUTTON.

An improved strain of Early Jenny Lind, having a nub or button on the blossom end, which gives it a distinction over all other varieties. It is very early, of remarkably fine texture and delicious flavor, and produces fruits of the finest quality. It is extra fine for both home and market use. We are putting the above on the market for the first time, and have but a limited supply of seed. Those who wish to secure a trial order will do well by placing their order at once.

Pkt., 5c. and 10c. 1-4 lb., 35c. 1 lb., $1.00.

BANQUET.

This superb melon represents years of careful selection and improvement. The raiser regards it as his greatest production, and likely to supersede all other red-fleshed melons. "The Banquet" is a medium-sized melon, fat at both ends, and more beautifully netted than any known variety. In quality it has no equal; the flesh is uniformly deep red and of that granulated character that always indicates a good melon; the color is a dark, rich salmon.

Pkt., 5c. Oz., 10c. 1/4 lb., 25c. 1 lb., 50c.

EXTRA EARLY HACKENSACK

Netted, green flesh and excellent; very showy market variety and an excellent keeper. Ten days earlier than the Old Hackensack.

Pkt., 5c. Oz., 10c. 1/4 lb., 25c. 1 lb., 50c.

PERFECTED—DELMONICO.—This is one of the best of the red-flesh sort; the flesh is a deep, rich orange color, of very fine grain, and of delicate and delightful flavor.

Pkt., 5c. Oz., 10c. 1/4 lb., 25c. 1 lb., 50c.

LONG ISLAND BEAUTY—Pkt., 5c. Oz., 10c. 1/4 lb., 40c.
WATERMELONS

German—Wasser Melone.

CULTURE. One ounce of seed to thirty hills. Watermelons require a rich, sandy soil, rich in humus. Cultivate the same as for Cantaloupes except that the hills should be eight or ten feet apart.

Lord Baltimore.

It is early, very large, of oblong shape, and the flesh is of handsome crimson color, deliciously sweet, and extending close up to the rind. It has a thin, hard rind, beautifully mottled light and dark green. Its perfect shape, faultless color, fine texture and excellent flavor combine to make it one of the very best Melons that grows. It is a good shipper, and beats all others as a soliet.

Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 60c.

Duke Jones Watermelon

In shape the DUKE JONES resembles very closely the Kolb Gem. The rind is darker green in color, with indistinct, irregular stripes of dark and light green alternating; in general appearance it is a dark green Melon. It averages very large in size, comparatively no small Melons; it is very productive; it is also early in maturing, ripe Melons being plucked from the vine just 78 days from the date of planting. Its chief claim for popularity is its delicious flavor. The flesh is crisp and very sweet, firm, but not too tough; no hard middles, but ripens evenly throughout; flesh deep crimson in color. The Duke Jones is the largest of Melons, but has no superior in its delicious flavor.

Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.

FLORIDA FAVORITE.

THIS is the rich and sweetest flavored Melon grown, of medium size and prolific. It is best of all for family garden. It is now very popular with the gardeners and melon-growers of Maryland and Virginia, and sells readily in the Baltimore markets.

Pkt., 5c. Oz., 10c. 1/2 lb., 20c. Lb., 50c.

Moyer’s Sugar Watermelon.

In outward appearance it somewhat resembles the old Baltimore. The quality, however, is so much superior that it is an injustice to mention the Rattlesnake on the same page with it, as it even surpasses each excellent variety as Florida Favorite and icing. It is also an extremely productive and hardy variety.

Pkt., 5c. Oz., 10c. 1/2 lb., 20c. Lb., 50c.

FORDHOOK EARLY.

This is a very early variety, growing to a good size; color, medium green; form, nearly round; seeds, white, flesh, bright red and very sweet.

Pkt., 5c. Oz., 10c. 1/2 lb., 20c. Lb., 60c.

BLACK BOULDER.

It is enormously productive, reaching a mammoth size, with rich, dark-green skin. It cuts equal to any melon we have ever eaten, and its shipping qualities are phenomenal, no other Melon equaling it in tough skin and rind; in this respect even superior to Kolb Gem.

Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 40c.

Kleckley’s Sweets.

Skin dark green, thin rind, flesh scarlet, very solid firm and most luscious quality. For the home market or family garden it is decidedly one of the best.

Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 60c.

TRIUMPH WATERMELON.

This new Melon, as a market sort and for shipment, is the very best we have ever introduced. It is very productive, very early, and of uniformly large size. It is a cross between the Duke Jones and the Kolb Gem; has the handsome appearance of the former and the fine shipping qualities of the latter. The rind, like Duke Jones, is of dark green color; the seed is exactly the same color as that of Kolb Gem. The average size of the Melon is very large.

Pkt., 5c. Oz., 10c. 1/2 lb., 15c. Lb., 40c.

BLACK STRIPED KOLB GEM WATERMELON.

The size of this fruit is uniformly large; shape oval; color a rich dark green with the stripes of lighter shade. Much darker and richer than the old well-known Kolb Gem; flesh rich deep pink; crisp and melting; ripes to within half inch of the rind. The exceptionally strong rind makes it an excellent shipper; flavor remarkably sweet and sugary.

Pkt., 5c. Oz., 10c. 1/2 lb., 15c. Lb., 35c.
BLUE GEM.

This splendid Melon resembles the Kolb Gem in shape and is one of the very best shippers, and as a table Melon is of a dark bluish color, with small grayish stripes. Is much superior to the Kolb Gem. Very productive, and is handsome and showy.

A grower in Dixie (Georgia) says: "If you want a shipper that will go around the world, you can safely select the BLUE GEM." Pkts., 5c. and 10c. ¼ lb., 20c. Lb., 40c. 5 lbs., $1.75.

ENGLISH MILL TRACK MUSHROOM SPAWN.

Lib., 12c. By Mail, 20c. Lib., Postpaid. 10 Lbs., $1.00. 100 Lbs., $8.00, by Freight or Express.

CULTIVATION.

The cultivation of the Mushroom is a very simple matter and requires only ordinary intelligence and care. The materials needed are fresh horse manure, good soil and live spawn. The manure should not be too short, as it does not combine the necessary qualities. Long strawy litter, plentifully mixed with short manure, makes by far the best beds and does not heat too violently, decomposes slowly and retains the heat for a long period.

Put a heap and turn every third or four days to permit the escape of noxious gases and prevent burning. When ready for use it should be as hot as can be borne comfortably by the hand, and should also be moist. Make the beds 3 feet wide at the base, 2½ feet high, and of any desired length. The manure, when in proper condition, should be quickly handled to prevent the loss of heat, and be beaten down to make the heap firm and compact, and covered with long litter. The bed should within a few days warm to a temperature of 110 to 120 degrees. Never spawn a bed when the heat is rising, but always on the decline and under 100 degrees. Have a ground thermometer, and keep it plunged in the bed, by pulling and setting a small core into it to ascertain exactly the temperature of the bed. Should the temperature not exceed 100 or 110 degrees no alarm should be felt, for if the manure was fresh it will likely produce a good crop. When the heat has decreased to 90 degrees the bed is ready to receive the spawn, which is done by raising the manure with the hand and inserting pieces of spawn 2 inches square and 9 inches apart each way. At the expiration of a few days the bed may be covered with soil to the depth of about 2 inches. If in a closed cellar or mushroom house, wait about ten days, but if in open shed five days will do. If the soil is poor, add a liberal quantity of bone meal. It requires a period of 5 to 7 weeks before they are ready for use.

Two pounds of spawn are sufficient for a bed 3 feet by 6 feet.

Mushrooms can be readily grown in cellars, stables, sheds or pits. Many are successfully grown on a shelf in an ordinary cellar, and yield sufficient crops to compensate the grower for his effort. The space under greenhouses, etc., will suit them exactly, using materials in the same manner as described.

MUSHROOMS ON PASTURE LAND OR LAWN. About the first of June take pieces of spawn an inch square, and lift the soil with a trowel or spade just sufficient to get a spawn under it, and then press the soil down hard. Set the spawn 1 to 2 feet apart. In a favorable season a crop may be expected in 3 or 4 months from the time of planting.
MUSTARD. GIANT CURLED.

Highly esteemed in the South, where the seed is sown in the fall, and used in the spring as a salad. Our stock is the true curled leaf, and produces plants two feet high and of greater breadth, forming enormous bunches.

Packet, 5c. Ounce, 10c. ½ lb., 15c. Lb., 40c.

WHITE MUSTARD. 1-4 Lb., 10c. Lb., 25c.

CULTIVATION. TO GROW LARGE ONIONS FROM SEED.

The seed should be sown as early as possible in the spring, as they grow much better during the cool weather, and should make most of their growth before the hot weather sets in. Sow 5 pounds of seed to the acre for large onions.

THE NEW ONION CULTURE.

Sow the seed in hotbed and transplant early as possible to open ground. They can be grown very successfully by this plan.

WHITE SILVERSKIN, or PORTUGAL.

A good variety for family use; skin and flesh pure white, mild flavor and flat shape. The best white Onion to grow largely for sets.

Pkt., 5c. and 10c. Oz., 20c., 1/2 lb., 50c. Lb., $2.50.

WHITE PEARL ONION.

Earliest of all, growing with all the rapidity of a summer Radish. Pearly white, waxy and transparent. Form flat and broad, flavor very mild, and it can be eaten raw almost like an apple. On rich soil it will grow very large. This is an elegant sort to sow for large Onions, because of its rapid growth and fine quality.

Pkt., 5c. OZ., 20c., ½ lb., 50c. Lb., $2.00.

AUSTRALIAN BROWN.—A Valuable Long-Keeping Onion.

This new Onion, introduced into the United States a few years since, has met with wonderful success, and is pronounced the best keeper of all Onions. The outside skin is a deep amber brown, distinctly different from all other Onions, extremely hard and firm, of fine flavor, and will keep almost indefinitely. Australian Brown is the only Onion Australian growers will plant.

Pkt., 5c. and 10c. ½ lb., 60c. Lb., $2.00.

OKRA OR GUMBO.

SELECT warm location and rich soil, and plant when the ground becomes warm, in rows three feet apart, thinning plants a foot apart in the row. As the seeds are liable to rot in cold weather, they should be sown thickly. The pods are used to thicken soup, being gathered when young. It is one of the most wholesome vegetables in use.

DWARF OKRA.

This is the preferred kind with the growers; it is dwarf habit and very productive.

Pkt., 5c. and 10c.

1-4 lb., 15c.

WHITE VELVET.

It is very distinct, and the pods are perfectly round and smooth, of an attractive white velvet appearance, and of superior flavor and tenderness. The pods are of extra large size, and produced in great abundance.

Pkt., 5c. Oz., 10c. ½ lb., 15c. Lb., 40c.

NASTURTIUM.

Plant in May, the climbing varieties to cover an arbor or fence, and the dwarf for beds or hanging baskets. The leaves are used for salad, and the seeds, when soft enough to be penetrated by the nail, for pickles.

TALL.—Pkt., 5c. Oz., 10c. ½ lb., 25c. Lb., 70c.

DWARF.—Pkt., 5c. Oz., 10c. ½ lb., 25c. Lb., 75c.

ONION SEED

PRIZETAKER.

American Grown.

This is the large, beautiful Onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. It has a rich straw color, and is of enormous size. Although of such large size, it is very hardy and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. By sowing this sort early you can raise a large crop of large Onions the first season with very little trouble. All that is necessary is good ground, proper cultivation, and not to have them too thick. Those of our growers who have tried this variety have had remunerative fine success.

Pkt., 5c. Oz., 20c. ½ lb., 50c. Lb., $2.00.

WETHERSFIELD LARGE RED.

Well known and favorite sort. A large yielder and good keeper.

Pkt., 5c. Oz., 15c. ½ lb., 50c. Lb., $1.75.

ONION SETS.

SOW mellow and clear of weeds, and if seed is good you will have a large crop of Onion Sets. On no other condition can you hope for success. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth toward them to cover or hill, as we do most other things.

Sow the seed in drills about 12 inches apart. It will require from 40 to 60 pounds to sow an acre.

CULTIVATION FOR SETS.

Have a clean and very rich soil, which should be thoroughly cultivated, or it will not do well enough to pay for the trouble. The most successful growers work their ground several times in the fall to get out the weeds and get ground in nice condition. Use well-rotted manure freely, and be sure to get the seeds in as early as possible in the spring, no matter if it is ever so cold or unpleasant, and keep the soil mellow and clear of weeds, and if seed is good you will have a large crop of Onion Sets. On no other condition can you hope for success. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth toward them to cover or hill, as we do most other things.

Sow the seed in drills about 12 inches apart. It will require from 40 to 60 pounds to sow an acre.

SPECIAL PRICES TO MARKET GARDENERS.
ONION SEED. CONTINUED.

Bermuda Varieties.

They are of a mild and delicate flavor, and keep longer than any foreign variety. Like the Italian varieties, they will produce full-grown Onions from seed the same season. In the South seed sown in the fall will produce fine large Onions for market in early spring.

RED BERMUDA

Pkt., 10c.  Oz., 20c.  ¼ lb., 50c.  Lb., $1.75.

WHITE BERMUDA

Pkt., 10c.  Oz., 20c.  ¼ lb., 50c.  Lb., $1.75.

Yellow Globe Danvers

A very handsome, round, yellow Onion; a large yielder and splendid keeper; the preferred sort with market gardeners and large growers all over the country. We unhesitatingly recommend it for growing either Onions or large Onions.

Pkt., 5c.  Oz., 20c.  ¼ lb., 75c.  Lb., $2.25.

PARSLEY.

SELECT rich soil; sow the seed in drills one foot apart, covering half an inch deep. It would be well to firm the soil with the foot after sowing the seed. The seed is usually from 15 to 25 days in germinating, it will be necessary to sow early. Thin plants to 4 inches apart when 2 inches high. The beauty of the plant may be increased by several successive transplantings. It is used principally for flavoring soups, etc., and for garnishing in its natural state.

DWARF EXTRA CURLY—The most beautiful and valuable variety in use; handsome bright green color, finely curled, beautifully curtailed.

Pkt., 5c.  Oz., 10c.  ¼ lb., 15c.  Lb., 45c.

MOSS CURLY—A very select curled variety.

Pkt., 5c.  Oz., 10c.  ¼ lb., 15c.  Lb., 45c.

PEPPER, or Capsicum.

Is cultivated mainly for pickles; used as a seasoning in many ways; sometimes medicinally. Sow seed early in hotbed, if possible; if not, select a warm place in the garden for seed bed; sow as soon as the soil is warm. Transplant when 3 or 4 inches high, in rows 18 inches apart.

CAYENNE—Small, long and tapering, very hot; best for seasoning pickles.

Pkt., 5c. and 10c.  Oz., 20c.  ¼ lb., 50c.

LARGE SWEET—Very large and excellent for Mangos or Stuffed Pickles.

Pkt., 5c. and 10c.  Oz., 20c.  ¼ lb., 50c.

BULL NOSÉ, or BELL.—Good for pickling; very hot.

Pkt., 5c. and 10c.  Oz., 20c.  ¼ lb., 50c.

RUBY KING.—Excellent sort of large size and mild flavor.

Pkt., 5c. and 10c.  Oz., 20c.  ¼ lb., 75c.

GOLDEN QUEEN.—In shape and size similar to Bull Nose; of mild flavor; color, yellow.

Pkt., 5c. and 10c.  Oz., 25c.

RED CHILLI.—Pkt., 5c. and 10c.  Oz., 20c.

PARSNIP.

The Parsnip will flourish best and give the longest, largest and smoothest roots in a very deep, rich soil—one that has been made rich from manure the previous year. Fresh manure makes the roots somewhat ill-shaped. Sow as early in the spring as the ground can be made ready, pretty thickly in drills from 12 to 18 inches apart, and about an inch deep. Thin the plants to 6 or 8 inches apart.

Hollow Crown or Sugar.

The Hollow Crown is superior in quality to all other varieties, and the preferred kind with Baltimore gardeners. The roots are smooth, tender, handsome shape and early. We have the finest stock of Hollow Crown Parsnips that we know of in this country.

Pkt., 5c. and 10c.  ½ lb., 15c.  Lb., 40c.

Chinese Giant Pepper.

Double the size of Ruby King; the finest mild Red Pepper grown. It is very productive, having a magnificent appearance, which makes it sell readily.

Pkt., 10c.  Oz., 35c.  ½ lb., $1.25.
EXTRA EARLY VARIETIES.

G. & T. Co.'S
FIRST EARLY.

(In Sealed Bags, Thoroughly Rogned and Hand-Picked.)

THIS is the earliest of all, and the most profitable early market Pea, because of its early maturity, uniformity of growth and ripening and its productive-ness. It ripens up so evenly as to require about two pickings to secure the crop. It is grown from selected stock, under our own supervision, and the greatest care is exercised to keep it up to the highest standard of quality. It is a great favorite with the truckers, and is largely used by private families. Our sales of this sort increase annually.


Dexter (Genuine Stock).—Thoroughly rogned and hand-picked.

RURAL NEW YORKER.—Height, 2½ feet. In maturity it is among the first early.

FIRST AND BEST.—Height, 2½ feet. Grown with special care. One of the early varieties.


PHILADELPHIA EXTRA EARLY PEAS.

ALASKA.—Our best rogned and hand-picked stock. Height, 36 inches. The earliest Blue Pea; very uniform in growth and time of ripening. The dark green color of the pods makes this a most desirable sort for canners and shippers, as it can be carried long distances without losing color.

THOS. LAXTON.—Habit and growth same as GRADUS, but pods are a deeper green color, square at the ends, having fine flavor.

GRADUS OR PROSPERITY.—Pale Green Wrinkled. —The most attractive novelty of recent years. Large, handsome pods, well filled, ripening with the earliest and of vigorous habit.

NOTTS EXCELSIOR PEAS.

DWARF EXTRA EARLY VARIETIES.

NOTTS EXCELSIOR. —It is the best of dwarf wrinkled early of recent introduction. The vines are larger and more vigorous than the American Wonder, while the pods are fully one-third larger, containing 8 to 8½ fine, large Peas, packed so closely together in the pods that the Peas are always more square than round. The pods are always well filled with Peas, which in sweetness and quality have no superior.

AMERICAN WONDER.—Very luxious in flavor. Try it. Height, 12 inches. The earliest wrinkled Pea; very productive and sweet. Better suited to the private than to the market garden.

PREMIUM GEM.—Height, 15 inches. An improvement upon the Little Gem. A small wrinkled dwarf Pea, very luscious in flavor.

McLEAN'S LITTLE GEM.—Similar to Premium Gem, but more straggling in growth; pods not so well filled; height, 18 inches; seed green, wrinkled.

BLUE PETER, OR BLUE TOM THUMB.—One of the earliest and hardest of the dwarf varieties; blue seed, dark green pods; large Peas of excellent quality; much superior to the White Tom Thumb. CROP FAILED.

MEDIUM OR SECOND EARLY HALF DWARF, WRINKLED VARIETIES.

ADVANCER.—Height, 2½ feet. A green wrinkled variety introduced some years ago, and has always given satisfaction.

EVERBEARING.—Vines are about 2 feet high, of a branching character. Grown very freely, sweet pods of excellent size and flavor:

YORKSHIRE HERO.—Height, 2½ feet. A wrinkled, very productive, and of very superior flavor.

SHROPSHIRE HERO.—A grand new medium early wrinkled Pea, producing long, handsome, well-filled pods in great abundance. Height, 2½ feet.

ABUNDANCE.—Height, 30 to 36 inches. An excellent half-dwarf, medium early, wrinkled variety; pods 3½ inches long, containing 6 to 8 large Peas of excellent quality; very productive.

PRIDE OF THE MARKET.—A medium early dwarf Pea of vigorous habit and very productive. The pods are large, of a medium green color, and contain 7 to 9 peas of fine quality; 1½ feet.

IMPROVED STRATAGEM.—Height, 2½ feet. A large, wrinkled, blue Pea, of excellent quality; very long, large, filled pods. More regular in size and growth than the ordinary Stratagem, and in every way superior.

DWARF GREEN WRINKLED MARROW.—An excellent new wrinkled variety. Large pods and very productive.

GARDENER'S FAVORITE.

HEIGHT, 30 to 36 inches. A wrinkled variety named and introduced by us, and which is constantly gaining friends; of most delicious flavor, prolific bearer, specially suited for the market garden trade. It is also attracting considerable attention with some of our leading canners, as when packed they find the quality to be superior to any other sort.
HEROINE PEA.
A medium early, green, wrinkled Pea, and one of the best of recent introduction; large, curved showy pods; an immense cropper; lots of finest quality. Height, 4 to 5 feet.
Pt. 15c. Qt. 25c. Peck, $1.55.
Bus., $3.50.

TELEPHONE.-Height, 5 to 6 feet. Large wrinkled seeds; pods large and well filled.
Pt. 15c. Qt. 25c. Peck, $1.75.
Bus., $3.00.

CHAMPION OF ENGLAND.—Height, 4 feet. An old favorite, rich flavored and very productive.
Pt. 10c. Qt. 20c. Peck, $1.00.
Bus., $1.50.

FRENCH CANNER.—Height, 3 feet. The Celebrated Pea used in France by the canners. It is wonderfully prolific, bearing an abundance of long pods, containing seven to nine Peas of excellent flavor.
Pt. 10c. Qt. 20c. Peck, 75c.
Bus., $1.00.

IMPROVED SUGAR MARROWFAT PEAS (Genuine Stock) — Height, 3'/2 feet. Grows a strong vine, bears in abundance large, filled pods. The truckers’ favorite. Pt. 10c. Qt. 20c. Peck, 90c.
Bus., $1.25.

HEROINE PEA.

TALL GRAY SUGAR (Crop failed).—Edible pods; cooked in the pods same as Snap Beans.

DWARF GRAY SUGAR.—Edible pods; quite a favorite. Pt. 15c. Qt. 25c.

EDIBLE PODDED OR SUGAR PEAS.

MELTING SUGAR—Edible Pods.

This variety is ahead of all other Sugar Peas, not only in size of pod and prolific bearing, but also for its delicious flavor. It grows to the height of 5 feet, bears a prolific seed of very large, broad, handsome light green pods, and are so brittle that they snap without any strings.
Pt. 15c. Qt. 25c. Peck, $1.50.

PUMPKIN.

PLANT in May. In hills 8 feet apart. Allow 10 seeds to each hill, as bugs often destroy the young plants, but only allow 2 to 3 healthy plants to remain in each hill. They are usually planted in fields with Corn or Potatoes.

G. & T. CO.’S MARYLAND SWEET POTATO.

This is the best table Pumpkin in cultivation. In shape and size it somewhat resembles the Cashew, but much more beautiful in color, being a handsome green and white stripe. The flesh is a rich yellow color, solid, fine-grained, very thick, flavor delicious.
Pt. 5c. Oz. 15c. 1/2 lb. 25c. Lb. 85c.

LARGE CHEESE.—Skin, reddish orange; flesh, thick, fine and sweet.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 60c.

TENNESSEE SWEET POTATO.—A splendid pie and cooking pumpkin. They grow pear-shaped of medium size, slight ribbed skin, creamy white, finely striped with green; flesh very thick, creamy white, dry and fine-grained, keeping well until late in the spring. When cooked resembles Sweet Potatoes, but much more delicious in taste.
Pt. 5c. Oz. 15c. 1/2 lb. 15c. Lb. 50c.

CONNECTICUT FIELD.—Very productive and grown for feeding stock. It is so well known that it does not need description.
Pt. 15c. Qt. 20c. Lb. 25c.

YELLOW CASHAW, OR CROOKNECK.—Solid flesh, fine and sweet; keeps well.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 60c.

ADAMIR DEWEY.

ADAMIR DEWEY.
Here we have a most excellent pea, with large, handsome pods; Peas of the highest quality. More dwarf than the Strafford, but about a week earlier in maturing, regular and uniform in growth; vines stocky, healthy and of vigorous growth; pods long, frequently containing 10 Peas, of tender and delicious flavor. Don’t fail to try it.
Pt. 20c. Qt. 35c. Peck, $1.75.
Bus., $3.00.

Radishes.

LONG BLACK SPANISH.—A large winter variety; one of the hardiest, with dark green leaves, firm in texture, keeping until spring.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 50c.

LARGE WHITE SPANISH, Winter.—Fine keeping quality.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 50c.

ROUND WHITE SPANISH.—A good fall or winter variety.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 50c.

ROUND BLACK SPANISH.—A fine globe-shaped Radish, very popular with the Germans, known as Rettig; good quality.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 50c.

CAROLE OLIVE-SHAPED RADISH.—A showy half-long variety of pretty shape and bunches beautifully.
Pt. 5c. Oz. 10c. 1/2 lb. 20c. Lb. 60c.

G. & T. CO.’S MARYLAND SWEET POTATO.
RADISHES—Continued.

GOLDEN GLOBE.—An excellent summer Radish; slow to run to seed; shape globular, bright yellow color and mild flavor. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

WHITE BOX.—Perfectly round, smooth, skin, pure white, free from any blemish or blemishes. A remarkably quick grower, with small top. For forcing it is the very way superior. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

EARLY WHITE TIPPED SCARLET.—An excellent variety for forcing, with very short leaves; bright scarlet in color, with a white top. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

FRENCH BREAKFAST.—Of oval form; color scarlet when tipped. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

EARLIEST WHITE TURNIP.—For forcing. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

EARLY SCARLET OR PRUSSIAN GLOBE RADISH.—This is the very best forcing variety; is grown largely by market gardeners and truckers, and they are delighted with it. It is of globular shape and bright, beautiful crimson color, short top, and will stand heat without becoming pithy. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

WHITE STRASBURG.—This is becoming one of the most popular summer sorts; it is of handsome tapering shape, skin pure white; very tender. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

CHINESE ROSE WINTER.—Remarkable fine for winter use. The best of the winter sorts. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

CHINESE RED WINTER.—An excellent white winter Radish; a good keeper. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

GIANT STUTTGART.—A splendid variety; of excellent quality; withstands summer heat admirably. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

CINCINNATI MARKET NEW GLASS RADISH.—Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

WHITE VIENNA OR LADY FINGER.—One of the finest. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

LONG SCARLET (Finest Grown).—Very attractive, and sells readily. Owing to its handsome shape, brilliant color and fine qualities it commands a higher price and more ready sale than the ordinary Long Scarlet, as generally sold. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.

CHARTER.—A good variety for private or market garden purposes. Pkt. 5c, 1 oz., 1 lb., 15c, 15c.
Rhubarb, Pie Plant. Sow in April in drills one inch deep and one foot apart. When plants are large enough, thin to ten inches apart, and cultivate in the fall or following spring, transplant into deep, rich soil three feet apart each way.

Pkt., 10c.  Oz., 15c.  1-4 lb. 40c.  Lb. $1.50.

Spinach.

This is quite an important crop with market gardeners, and one easily managed.

For summer use, sow early in spring, in drills eight inches to one foot apart, covering the seed one inch deep. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For very early spring use sow in August, and protect the plants through the winter by a thick covering of clean straw or some similar light covering. Spinach is used principally as greens for boiling, and is very highly esteemed for this purpose.

LARGE ROUND-LEAVED VIROFLAY.—A new sort, with very large, thick leaves.

Pkt., 5c.  1-4 lb., 10c.  Lb., 20c.

LONG STANDING.—Best for spring sowing, as it is very productive. The leaves are large, thick, and heavy, produced in great numbers;

Pkt., 5c.  1-4 lb., 10c.  Lb., 20c.  5 lbs., 75c.

CURLED SAVOY, or BLOOMSDALE.—These leaves are fine, curled, large, thick, and heavy, and are produced in great numbers.

Pkt., 5c.  1-4 lb., 10c.  Lb., 20c.  5 lbs., 75c.

WRITE FOR SPECIAL PRICES IN QUANTITIES.

Squash.

The Squashes are all quite tender, and therefore no progress can be made in starting them until the weather becomes somewhat warm and settled. Plant in hills, five feet apart each way for the bush varieties, and eight feet for the running varieties; put eight seeds to the hill, but don't allow over three to stand.

Early White Bush Scallop.—A de-irable and marketable sort. Best known and most productive of all the summer sorts.

Pkt., 5c.  Oz. 10c.  1/2 lb. 15c.  Lb., 50c.

Early Yellow Bush Scallop.—An early, flat scallop-shaped variety; color yellow, flesh pale yellow and well-flavored, very productive; used when young and tender.

Pkt. 5c.  Oz. 10c.  1/2 lb. 15c.  Lb., 50c.

BOSTON MARROW.

Summer Crook Neck (Early).—Fine flavor; a desirable table sort. Pkt. 5c.  Oz. 10c.  1-4 lb., 15c.  Lb., 50c.

Winter Crook Neck.—Flesh red, fine flavor; largerly grown for winter use. Pkt. 5c.  Oz. 10c.  1-4 lb., 20c.  Lb., 75c.

Hubbard.—Fine and desirable for winter use. Pkt. 5c.  Oz. 15c.  1-4 lb. 20c.  Lb., 75c.

Boston Marrow.—A fall and winter variety, very popular in the Boston market. Oval form, skin thin, when ripe, bright orange mottled with light cream color, flesh rich salmon yellow, fine grained, and for sweetness and excellence unsurpassed, but not as dry as the Hubbard. Fine for pies or baking.

Pkt. 5c.  Oz. 10c.  1-4 lb. 1c.  Lb., 50c.

All prices subject to change without notice.
TOMATO—Extra Early Red Varieties.

For early fruit sow the seed in March or April, in the hotbed or in pots in a sunny exposure in the house. When the plants are about three or four inches high, they should be set out four or five inches apart in another hotbed or cold frame or removed into small pots, allowing a single plant to a pot, the middle of May set the plants in the open ground at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be had by sowing a few seeds in a shallow box in the house. Cultivate thoroughly as long as the vines will permit.

Tomatoes will attract of training to stakes or trelis of various kinds, and the fruit is very much improved both in appearance and quality. This mode of cultivation is now quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes five to seven feet in height, tying the plant up with wool or other strong, soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way.

SPARKS' EARLIANA.—The earliest bright red Tomato; very large, smooth color, bright red; solid and excellent for slicing. The plants are of moderate growth, well set with fruits, nearly all of which ripen extremely early in the season. Grows in clusters; of medium size; smooth, solid, center, small seed cells; slightly acid.

PACKETS, 5c. and 10c. 4 oz., 1 lb., $1.00. Pounds, $3.50.

EXTRA EARLY PURPLE VARIETIES.

BEAUTY.—For early market and shipping this cannot be excelled, because of its solidity and toughness of skin. Color is a rich, glossy crimson, with a slight tinge of purple. It is well known and very largely used by our gardeners. Pkts., 5c. and 10c. 0z., 25c. 3 lb., 40c. 1 lb., $1.50.

MAGNUS.—A fine medium crop variety; has Acme color; heavy; solid; fruit is set in clusters; heavy and very robust. Pkts., 5c. and 10c. 0z., 25c. 3 lb., 60c.

DWARF CHAMPION.—Dwarf, upright growth; smooth purple fruit. Pkts., 5c. and 10c. 0z., 25c., 1 lb., $1.25.

PRIZE WINNER.—Early; large; handsome; deep crimson; slight tinge of purple. Pkts., 5c. and 10c. 0z., 25c., 1 lb., $1.25.

MEDIUM EARLY VARIETIES.

PRIZE WINNER.—Purple; early; prince of market Tomatoes; color resembles Beauty, but larger; solid; one of the best keepers and shippers; solid. Pkts., 5c. and 10c. 0z., 25c., 1 lb., $1.25.

PONDEROSA.—Remarkable for size; fruits heavy; deep red; flesh thick, solid and very fine quality. Pkts., 0c. 0z., 25c., 1 lb., $1.00.

ACME.—Purple; early; medium; pink-purple; slightly oval. Pkts., 5c. and 10c. 0z., 25c., 3 lb., 50c. 1 lb., $1.50.

CRIMSON CUSHION.—Resembles Ponderosa in shape and size; color deep red. Pkts., 5c. and 10c. 0z., 25c., 3 lb., $1.25.

BUCKEYE STATE.—Purple; productive, but not very solid; large, smooth. Pkts., 5c. and 10c. 0z., 25c., 3 lb., 50c. 1 lb., $1.75.

GOLDEN QUEEN.—$1.00 for 4 oz., 1 lb., $2.10.

LORILLARD.—Best for greenhouse forcing; bright, glossy red; very smooth. Packet, 10c.

SMALL FRUITED VARIETIES.

PEAR-SHAPED RED.—Pkts., 5c. and 10c. 0z., 25c., 1 lb., 75c.

PEAR-SHAPED YELLOW.—Used for preserves and pickles. Pkts., 5c. and 10c. 0z., 25c. 1 lb., 75c.

YELLOW PUMPKIN.—Color bright yellow; excellent for preserving. Pkts., 5c. 0z., 25c., 1 lb., 75c.

CHALK'S EARLY JEWEL.—Deep-fruiting and solid. The growth is very compact. Fruit of uniformly good size; very solid; bright scarlet, ripening up to the stem without cracks or green core; sweet flavor. Pkts., 5c. and 10c. 0z., 25c., 1 lb., $1.00. 3 lb., $3.50.

EARLY POPULAR.—Huge; very fine; extra early; very prolific; fruits large size; excellent for shipping. Pkts., 5c. and 10c. 0z., 25c., 1 lb., 75c.

EARLY MICHIGAN.—Vines large, with large, dark green leaves, vigorous and wonderfully productive; under high culture one of the heaviest croppers; fruit medium to large size; unlike most varieties, grows larger as the season advances; perfectly smooth, solid, but without core; deep red rich color; of excellent flavor. Its first fruits are very early, but the vines continue to bear for a long time. Pkts., 5c. and 10c. 0z., 25c., 1 lb., 75c. 1 lb., $2.00.

EASTERN SUCCESS.—A magnificent new scarlet-fruited Tomato of finest quality, handsome appearance, large size and great productiveness. The vines are of strong, vigorous growth with abundant foliage; fruit set in clusters; color bright scarlet; perfectly smooth and free from cracks; the interior is very much like its flavor. It ripens with the second earlier varieties and yields abundantly throughout the season. The handsome color, even size and great solidity of Success makes it an excellent market tomato. It is well adapted also to canners use, by reason of rich deep-red color, solidity of flesh and desirable form for rapid peeling without waste. Pkts., 5c. and 10c. 0z., 25c., 1 lb., 75c. 1 lb., $2.50.

ATLANTIC PRIZE (Select Stock).—An excellent extra early and large fruit, and when not run as regularly smooth as the Paragon, it ripens very evenly. Pkts., 5c. and 10c. 0z., 25c., 1 lb., 40c. 1 lb., $1.50.

EXTRA EARLY RUBY.

This new variety came to our notice last season, and after giving it a thorough test we consider it the best all-round early Tomato in existence. While not as early as the Sparks’ Earliana by a week or ten days, it is far superior in quality, size, shape, flavor and productiveness. In color, ruby red, nearly globe-shaped; solid flesh throughout, and with very few seeds and free from acidity; it makes a splendid main crop variety; a great cropper and shipper. We have secured a limited supply of the seed, and will only put them up in 10c. packages, 5 ounces, ounces and $1.25, to enable it to be disseminated among a greater number of planters. The extremely large returns will fully justify the progressive trucker in trying a small quantity.

Package, 10c. 1 ounce, 60c. 1/2 lb., $2.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
TOMATO—Main Crop Varieties.

NEW QUEEN TOMATO.—Fruit somewhat resembles Paragon in appearance. This sort is well known and a favorite among canners, but it is not as deep red in color nor as weighty and solid as our World’s Fair. Pkts., 5c. and 10c. Oz., 15c. 3/4 lb., 40c. Lb., $1.25.

BRIGHTON’S BENT.—One of the leading sorts for second early and late use; the fruit is large, handsome, and a splendid keeper. A great favorite with canners and truckers. Pkts., 5c. and 10c. Oz., 20c. 1/2 lb., 50c. Lb., $1.50.

LIVINGSTON’S FAVORITE.—Bright red, smooth Tomato of good size. Pkts., 5c. and 10c. Oz., 20c. 1/2 lb., 50c. Lb., $1.50.


ROYAL RED.—New; resembles Favorite in form and color; good main crop variety. Pkts., 5c. and 10c. Oz., 20c. 1/2 lb., 50c. Lb., $1.75.

THE NEW STONE TOMATO.—Ripens for main crop; is very large and of bright scarlet color; very smooth, with occasionally a specimen very slightly octagon-shaped, ripening evenly to the stem without a crack, exceedingly solid and firm-dashed (as its name indicates). It is an excellent shipper; fine for canning; a good keeper; not subject to rot. Pkts., 5c. and 10c. Oz., 20c. 1/2 lb., 50c. Lb., $1.50.

Griffith & Turner Co.’s World’s Fair.

The great canner. The six great points of this great canner, solidity, symmetry, handsome, bright red, ripens uniform, free from rot. Its shipping and keeping qualities are unsurpassed. The planters now demand this great Tomato, notwithstanding the fact that there are many very much newer varieties. Yet it has been so successful that it is preferred above all others. The fruit is particularly solid and of fine flavor, good size, smooth, and certainly very attractive. Pkts., 5c. and 10c. Oz., 20c. 1/2 lb., 50c. Lb., $2.25.

HERBS—Sow in spring in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance.

Griffith & Turner Co.’s World’s Fair.

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MATCHLESS.—The color is rich red. The skin is so tough that it makes a splendid keeper and shipper, and is less liable to crack in wet weather than any other large Tomato. Unsurpassed for market or table; strong grower and very productive, bearing with undiminished vigor until frost. The fruit is free from core and the seed spaces comparatively small. Pkts., 5c. and 10c. Oz., 25c. 1/2 lb., 50c. Lb., $2.00.

HERBS—Sow in spring in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance.

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TURNIP

OR early use, sow the small sorts as soon as the ground can be worked in the spring, in drills 14 inches apart, the Rutabagas 30 inches. As the seed is very fine, it should be covered but slightly, excepting in very dry weather. Select light, and, if possible, new soil, and manure with plaster and ashes or phosphates. Should the young plants be troubled with insects, a sprinkling of slug shot will be beneficial. For fall and winter use the early kinds should be sown, from the middle of July to the middle of August, and the Rutabagas from the middle of June to the first of July, using from one to one and a half pounds of seed to the acre.

WHITE AND PURPLE TOP STRAP-LEAF.

- EARLY RED TOP FLAT.—Fine, sweet, mild; rapid grower; very early and popular.
- EXTRA EARLY PURPLE TOP MILAN.—The earliest and handsomest Flat Turnip in cultivation; none equal to it for spring sowing.
- WHITE PLAT (Spear Leaf).—Differ from Red Top only in color.
- EARLY WHITE EGG.—A new variety of rapid growth; egg-shaped and white, as its name indicates.
- COW HORN (Large Coppers).—This variety is pure white, excepting a dash of green at the crown, and in shape is long, like the carrot.

TURNIP

THE Swede Turnips, or Rutabagas, grow much larger in size, and are of greater value for stock feeding than ordinary turnips. Every farmer and stock-raiser should grow Rutabagas and Stock Beets for winter feeding.

GRIFFITH & TURNER CO.'S IMPROVED PURPLE TOP.

Yellow fleshed. A standard field variety for stock and fine for family use. This splendid Swede is the hardiest, most productive and most nutritious variety in cultivation.

Pkt. 5c. 1/4 lb. 15c. Lb. 35c.

YELLOW RUTABAGAS.—An old standard sort of good quality.

Pkt. 5c. 1/4 lb. 10c. 1/2 lb. 15c.

G. & T. CO.'S WHITE ROCK.—Though sometimes called a turnip, this is more like a rutabaga. The root is large, both skin and flesh very white, and is one of the best varieties we have for table use. An excellent keeper and a desirable sort for market gardeners.

Pkt. 5c. 1/4 lb. 10c. 1/2 lb. 15c. Lb. 40c.

Vegetable Roots

ASPARAGUS ROOTS.

A saving of one to two years is effected by planting roots. A bed 12x10 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family; 7200 roots will plant an acre. Select good, loamy soil, deep, and in good quality of manure and 100 pounds of kainit to 1000 square feet of bed. Incorporate thoroughly, make a trench 8 inches deep, set plants 6 inches apart. In field culture rows are placed 4 feet apart.

Barr's Mammoth.—Per 100, 75c. Per 1000, $5.50.

Palmetto.—Per 100, 75c. Per 1000, $5.00.

Colossal.—Per 100, 75c. Per 1000, $4.50.

Mammoth White.—Per 100, 75c. Per 1000, $5.50.

Extra large roots, 50c. per 1000 additional to above prices.

ARTICHOKEs (Jerusalem).—Pkt. $1.00. Bus. $2.50. For further information see page 1.

HORSE RADISH ROOTS.—Doz. 20c. Per 100, 75c. Per 1000, $6.00.

RHUBARB ROOTS.—15c. each.

Doz. $1.50.

IF TURNIP SEED IS WANTED BY MAIL ADD 9c. PER POUND FOR POSTAGE.
MAINE OR NORTHERN GROWN SEED POTATOES.

The soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The Potato being a cross feeder, requires a liberal application of manure. In stable manure is to be used, the very strong and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the Potato. The two fertilizer potatoes are smoother, brighter and free from rust and the destructive influence of wire worms. 

G. & T. CO.'S PLANT FOOD is especially adapted for Potatoes, as it promotes growth and at the same time prevents disease. Plant as early as the ground can be thoroughly worked in rows three feet apart and one foot in the rows, covering in light, warm soil about three inches and in cold, wet ground three inches deep; draw the earth to the plants as they advance in growth. The soil should be constantly stirred through the season to prevent the surface from baking.

G. & T. CO.'S EXTRA EARLY PRIZE.—This Potato is in all respects a very superior early sort. It proved to be the earliest and most productive of any we tried, also found its eating qualities first class. We consider it the best early Potato on the market today.


BLISS TRIUMPH.—This beautiful variety combines the wonderful productiveness of the Peerless with all the good qualities of the Early Rose; is much more productive and matures its crop at least a week in advance of the Early Rose.


MAINE, or HOUTON EARLY ROSE.—The Early Rose led the list for over 30 years, and is today one of the best early market Potatoes. Our stock of this is grown on new land, near Houlton, Maine; is rugged and pure, and produces as good crops as those which made the Early Rose famous in its early years. Remember that this stock is not to be confused with the old run-out Rose, grown in certain sections.


EARLY OHIO.—This is very early and productive, of fine quality, and an excellent keeper.


EARLY BOVEY.—One of the earliest varieties; good size, very smooth, uniform, perfect shape; eyes shallow, light skin and white flesh. Cooks dry and floury; of superb quality; a great yielder and healthy grower.


CROWN JEWEL.—Very early and prolific; skin pinkish white; one of the best for early market. It is planted very largely in this vicinity and the South.


WHITE BLISS TRIUMPH, or PRIDE OF THE SOUTH.—Extra early round white; identical with the Red Bliss, only different in color. Scallop edge; delicate to the touch, and an excellent family garden.


BEAUTY OF HERBON.—Very rapid and vigorous grower, ripening as early as Early Rose, which it resembles, but frequently exceeds in productiveness and excellence for table use, either baked or boiled.


EARLY PURITAN.—A distinct and early variety; both skin and flesh white; quality superb; dry and floury; immense cropper. Fine for market gardeners.


EARLY HARVEST.—This beautiful new early Potato is a heavy yielder for an early variety; good size, nearly white. A good one for the market garden.


G. & T. CO.'S BOUNTIFUL.—The finest middle crop variety yet introduced. Before putting it on the market we have given it a thorough test and are convinced of its superior qualities. A heavy cropper, yielding large, smooth, handsome tubers.


EARLY NORTHERN.—This superb Potato originated at Carlisbou, Maine. It resembles the Early Rose in shape and color, matures earlier than the Rose, and is much more productive. Under our own observation the past season it yielded more than the Rose, matured earlier, and was in all respects superior.


NEW YORK EARLY ROSE.—A leading variety for earliness, quality and productiveness.

Peck, 50c. Bushel, $1.50. 2 Barrel Sack, $3.50.

IRISH Cobbler (A New Sort).—Very productive, matures ahead of the Early Ohio. Shape chunky, eyes and deeply set, skin netted, flesh white, quality very superior. The writer's attention was called to this variety while on a tour of inspection, and we concluded to place it in our collection, and find after two years experience that it is a very superior variety. Don't fail to get it.


PROSPERITY.—A middle-crop variety, one of the hand- somest large Potatoes ever produced. The yield is immense, and even under unfavorable circumstances can be relied on. Flesh very white; cooks dry and mealy.


RURAL NEW YORKER, No. 2.—A valuable variety of large size, very smooth and a great cropper; in quality unexcelled. This variety is yearly becoming more popular as the best late long keeper, and we recommend it highly.


Burbank.—This is an old and reliable variety, and is highly valued for a late, large-yielding and long-keeping Potato, and for table use, after January 1, is one of the best.


NEW OTTEN.—A late introduction, closely resembling Beauty of Herbon in appearance, color, size and shape, but is 7 to 10 days earlier, and a heavy yielder. Our seed of this variety comes from Maine, where it originated, and is pure and true to name.


GREEN MOUNTAIN.—A fine late sort.


Sweet Potatoes.

CHOICE JERSEY SWEETS AT MARKET PRICES DURING SEASON. WRITE FOR QUOTATIONS.
Second Crop Southern Grown Seed Potatoes.

Since we have been advertising the Second Crop Seed, we often have been asked what it signified, and for the benefit of those who do not seem to know we will state that they are the product of the first planting in the spring, planted again as soon as the ground and the result from that planting stored away in the fall for next season's use.

The advantage derived from second seed over first crop is that they do not sprout or shrivel or lose any of their vigor through the winter, having been checked from frost before maturity they lie dormant, ready to grow vigorously when planted. They rarely send up more than one shoot; this may divide into several branches. The consequence is all the growth goes into the tubers, which grow to full marketable size 12 to 15 days earlier than ordinary seed.

The results from the planting of this seed have been so remarkable that our sales in consequence have grown much beyond our expectations.

The following varieties are grown from first crop Northern stock:

CROWN JEWEL.—This is a seedling of the Early Ohio. Skin white, flesh flat and mealy, white and floury, cooking evenly through. A very early variety, and its keeping qualities equal to the best. Qt. 50c. Bushel, $1.60. Barrel, $4.00.

EARLY ROSE.—Peck. 50c. Bushel, $1.00. Barrel, $4.00.

EARLY PURITAN.—A splendid early sort; fine, white and prolific, producing large crops of handsome, smooth tubers. Qt. 50c. Bushel, $1.00. Barrel, $4.00.

POTATO PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Seed Wheat and Rye.

We can offer choice stocks of Seed Wheat and Rye, re-cleaned, and at reasonable prices. Write us August 1 for special prices for fall sowing.

OATS.

Thirty-two Pounds to the Bushel.

CHESNUT GROVE YELLOW CORN.—This Corn was grown on Chesnut Grove Farm, Baltimore County, and the average yield from the whole crop was 20 1-2 bushels to the acre. The ears are large; deep, medium-sized grains, and of beautiful color. Qt. 10c. Peck, 50c. Bushel, $1.75. 4 Bus., $6.00.

G. & T. CO.'S MAMMOTH YELLOW CORN.—The largest, most starchy, delicious, smooth and handsome. Operators report an average yield from the largest one-half of this crop, growing medium-sized stalks, and very deep grain. Qt. 15c. Peck, 60c. Bushel, $1.75.

IMPROVED MARYLAND YELLOW DENT.-Our MARYLAND DENT CORN has taken first premium over all other field Corn wherever exhibited. The grains are unusually large, ears large, stalks grow from 7 to 10 feet high, does not exhaust soil so much, and will stand drought better than a large stalk, and will yield 5 to 10 bushels per acre more than any other Corn generally planted. Qt. 10c. Peck, 50c. Bushel, $1.25. 4 Bus., $5.00.

GOLDEN BEAUTY.—As usually sold, but not to be compared with G. & T. CO.'s Improved Golden Beauty. Qt. 10c. Peck, 50c. Bushel, $1.25.

G. & T. CO.'S IMPROVED GOLDEN BEAUTY.—A large, broad-grained yellow Corn, ears of perfect shape and color, and possessing the richness of color and the quality of the grain make it a superior variety. Qt. 10c. Peck, 50c. Bushel, $1.50. 4 Bus., $6.50.

90-DAY YELLOW.—This is an excellent quick-growing variety. May be planted after rows are taken off, and make a good crop. A very good earing variety. Primarily used by truckers around Baltimore. Qt. 10c. Peck, 50c. Bushel, $1.50.

POP CORN.—The best kind for popping. Qt. 10c. 4 lbs., 25c. By mail, 25c. per pound.

WHITE CORN.

G. & T. CO.'S IMPROVED MARYLAND WHIT DENT CORN.—After years of careful selection we have secured this improved White Dent Corn grown over a number of years. The ears of this Corn are large, very starchy, and make a splendid meal. Produces better crops on average land than most any other variety. Qt. 10c. Peck, 50c. Bushel, $1.50.

MARYLAND WHITE CORN.—As usually sold, an old standard variety. Qt. 10c. Peck, 50c. Bushel, $1.25.

WINTER TURF OATS.

FANCY NEW YORK AND MICHIGAN WHITE.—A very productive variety of extra-ordinary weight.

Per Bushel (32 lbs.), $1.00.


BLACK OR MIXED.—Bus. 32 lbs. Market prices.

GOOD SEED OATS.—Unnamed varieties.

FARMER'S ASSOCIATION.

SUMMER FEED OATS.

This is a fresh, hardy and vigorous growing variety. The grains are large, deep, of medium size, and of excellent color. Qt. 10c. Peck, 50c. Bushel, $1.50.

SOUTHERN SNOWFLAKE.—A well-known and very popular variety, grown on the South. Suitable for meal or feeding purposes; the best white for feed land. Qt. 10c. Peck, 50c. Bushel, $1.50. 4 Bus., $6.50.

90-DAY CORN (Red Cob).—This is a hardy Corn for truckers and market gardeners, as it is not so early ripening as the usual red variety, and can therefore be used for either early or late crop. Qt. 15c. Peck, 50c. Bushel, $1.50.

BARLEY.

BEARDLESS SPRING BARLEY.—Sow as soon as frost is out of the ground, the earlier the better. Being beardless, it handles as easy as oats and makes a stronger feed. By Express or Freight, Peck, 50c.; Bushel, $1.50. Bags, 20c.

FALL BARLEY.—Sow about first of September before sowing Wheat in order to get best results. Write for prices.

GRASS TURF OATS.

FARMER'S ASSOCIATION.

SPECIALS.

SPECIALS.

DOUBLE RYE OATS.

FARMER'S ASSOCIATION.

SPECIALS.

SPECIALS.
OUR SPECIAL GRASS MIXTURE FOR HAY AND PERMANENT PASTURES.

RED TOP, OR HERD'S GRASS (Agrostis vulgaris).—This grass makes excellent pastureage and good crop of fine quality hay, and succeeds even under very variable soils and under a variety of other grasses and plants. It is densely grown on the edges of woods, and is useful in large quantities for pasturage. It appears, will be sown during August, September or October. It should be sown early as the blossoms appear, or the hay will not be so good, and it can be cut every month from early summer until the first killing frost. It succeeds well in dry, sandy soil. It is usually sown 3 bushels to the acre. Price, 25c. bushel. Extra Cleaned Unhulled Red Top—Seed in bulk, 100 lbs., $2.25. Winter Sow.—Fall. This grass makes excellent pastureage afterwards. When it gets well established it will gradually supplant other grasses. The grades of seed usually sold are:

**CHAFF RED TOP.** Seed in chaff.

**EXTRA CLEANED UNHULLRED RED TOP.** Seed in hull, but free of chaff and impurities.

**FANCY CLEANED RED TOP.** Hullled seed, free from all impurities. We would advise our custommers to sow the Extra Cleaned Unhulled or Fancy Cleaned Seed.

Chaff Red Top—Sow 4 to 6 bushels to the acre, 10 lbs. to bushel. Price, 5c. bus.

Extra Cleaned Unhulled Red Top—Sow 2 to 3 bushels to the acre. Price, 25c. bushel. Extra Cleaned Red Top—Sow 12 to 15 lbs. to the acre. Price, 75c. bushel. This is a valuable pastureage, by reason of its early and luxuriant growth, the deliciousness of its foliage, and its good hay. The supply of foliage, which is relished by cattle, early and late. For hay it may be cut twice a year, and for green sowing it may be cut four or five times in favorable seasons and withstands extreme drought and cold. Height, 2 to 4 feet. 50 pounds to the acre. (10 pounds to bushel.) Price, 25c. bushel. 100 lbs., $2.25.

**CREEPING BENT GRASS (Agrostis stolonifera).**—Excellent for lawns, succeeds well in all conditions, makes a low velvety growth. Pound, 25c. Bushel (20 lbs.), $1.40.

MEADOW FOXTAIL (Alopecurus pratensis).—Closely resembles Timothy in growth, but has a soft feathery head. About 7 pounds to the bushel; 3 bushels to the acre.

**SHEEP FESCUE (Festuca ovina).**—It is a densely tufted perennial grass for dry sandy and rocky soil where scarcely any other species will grow. It roots deeply, and forms a dense, short turf, suitable for lawns and pleasure grounds, where the soil is sandy. It afford wholesome feeding for all classes of cattle, especially sheep. Specially recommended for pastureage mixtures. Sow about 30 pounds per acre.

**MEADOW FESCUE.**

**MEADOW FESCUE, RANDALL, or ENGLISH BLUE GRASS.**—This is a slow growth, fine in quality, and makes an excellent permanent pastureage, on the meadows and rough lands. It should be very much more largely used than at present. It makes a very good hay and pastureage grass, and is particularly valuable for fall and winter pastureage, as it remains green throughout the winter. It is very popular in the eastern states, and is one of the best adapted for these purposes. In ordering, please state whether you want a mixture for upland or low ground.

**HAY AND PASTURE GRASS.**

Sow prepared especially to meet the demand for a mixture that will be desirable either for cutting for hay or to use for pasture, and contains such grasses as are best adapted for these purposes. In ordering, please state whether you want a mixture for upland or low ground. 8 lbs. 10 bushels. Per Bus., $2.50. 10 Bus. for $23.50.

**MIXTURE FOR UPLAND.**—Fourteen pounds to the bushel, three bushels to the acre. Per Bus., $2.50. 10 Bus. for $23.50.

**MIXTURE FOR LOWLAND.**—Fourteen pounds to the bushel, three bushels to the acre. Per Bus., $2.50. 10 Bus. for $23.50.

**MEADOW FESCUE.**

**MEADOW FESCUE, RANDALL, or ENGLISH BLUE GRASS**
GRASSES AND CLOVERS
CONTINUED.

MILLET.

GERMAN, OR GOLDEN MILLET.
An improved variety, medium early, growing 3 to 5 feet high. The heads are
closed and produced, though the spikes are
very numerous. This is the best and
most productive millet to grow. Price,

HUNGARIAN MILLET (Panicum germanicum)—Early and productive, growing
2 to 3 feet high, with an abundance of
fodder and slender heads. Price,

COMMON MILLET.—Weight, per bus.,
50 pounds, 1c. Pk., 5c. P. F., 40c.
Bushel of 45 lbs., $1.25.

IMPORTANT.—It does not pay the
farmer to buy cheap Grass Seeds, as it
is liable to be either old seed, or full of
weeds.

TIMOTHY (Phleum pratense).
This makes one of the most popular,
nutritious and salable of hay grasses.
It is best adapted for sowing on clay or
heavy loams, low lands or in mountain
ous districts, although it will do well on
light good stiff loamy soils, provided
moisture is abundant. It does not suc-
ceed nearly as well, however, as Or-
cord, Tall Meadow Oat Grass, or Oat
Grass. The stand of Timothy will also be injured if grazed or cut too closely.
The yield of hay on good ground of grass is from one and a half to
three tons per acre. The best clover to
sow with Timothy is either the Sapling
or Alsike, as they mature and ripen
with Timothy. Pound, 10c. Pk., 75c.
Bushel of 45 lbs., $2.75.

WHITE DUTCH CLOVER.
Thrive most everywhere. The best to sow with lawn grass
and valuable to sow with blue grass per permanent pastures.

½ pound, 10c. ½ pound, 15c. 1 pound, 25c.
By mail, pound, 25c. 10 pounds, by express, $2.25.

CRIMSON CLOVER.
SEE PAGE 33.

Grass and Clover
Seed Mixtures.

FOR MOWING FOR HAY,
BUT CAN BE GRAZED.

We have in the following mixtures combined grasses suit-
able for the various soils for which they are recommended.
They are composed of grasses which will give an even
growth for mowing for hay. We have also combined them
so as to give a splendid pasture from early spring until late
fall if desired.
The different mixtures are prepared from seeds of the finest
quality, and only those are used best adapted to the soils and
situation for which they are intended.

MIXTURE No. 1.
For Most Bottom Land.
Sow 25 lbs. to the acre. Price, Lb., 20c. 10 lbs. and over,
18c. per lb.

MIXTURE No. 2.
For Light, Dry, Gravelly or Sandy Soils.
Sow 35 lbs. to the acre. Price, Lb., 20c. 10 lbs. and over,
18c. per lb.

If any of the above wanted by mail, add 8c. per lb. for postage.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
FORAGE AND SILO SEEDS.

For years we have taken special care in the selection of the various sorts of Grass and Clover Seeds for field culture, and in consequence our trade in this line has rapidly increased. We have a large stock of stock and high germinating quality we consider essential.

As we handle very large quantities of these seeds we are enabled to supply the best quality at lowest prices.

CRIMSON CLOVER.

THE GREAT NITROGEN GATHERER.

The best crop for Hay, Silage and green manuring—all winter and spring plants being fed. For hay, it must be cut before it comes into full bloom, as otherwise it may cause hair-balls to form in the animal’s stomach. It is used on poor and rich land. It is seeded in this country in June, July, August, September and October, and will produce an enormous crop early the following spring, suitable either for consumption as green food or for hay. 15 to 20 lbs. should be sown to the acre, according to the quality of ground. 15c per lb.; by mail 25c. 10 lbs. by express $1.00. Write for prices in quantity.

SORGHUM OR SUGAR CANE.

EARLY AMBER grows 10 to 12 feet high and yields large crops of fodder, which is relished by all kinds of stock. It will produce three cuttings during the season. Sow 3 to 4 quarts per acre in drills and cultivate same as corn. For hay, sow one bushel per acre broadcast. Lb. 10c. Pk. 50c. Bus. $1.00, by freight or express.

EARLY ORANGE has a large, strong growth, but requires longer time to mature than the Early Amber. Very popular in the South, where there are long seasons. Prices same as Early Amber.

TEOSINTE.—A most valuable and enormous yielding cutting grain. This early crop should be planted very early to succeed well. Good to use as green food, and also makes an excellent fodder. It branches as many as 50 stalks from one seed. Plant in May or June, rows 4 to 6 feet apart each way.

COW PEAS.

THE GREAT SOIL ENRICHER— MAKES POOR LAND RICH— MAKES GOOD LAND BETTER.

Prices on application.

BLACK COW PEA.—It is a splendid land improver, and most valuable as a live crop, making an enormous yield of rich, nutritious food. Sow in May or June at the rate of one bushel per acre for seed, or two bushels for sowing.

BLACK COW PEA.—The Black Eye Cow Peas are very prolific and bring a good price on our market.

WHIPPORWILL PEA.—Makes a splendid forage pea. Vines stay green longer than other varieties; pods ripen earlier.

WONDERFUL, or UNKNOWN.—This makes an enormous and remarkable growth of vines, but requires the full grow season to make its crop. In yield and growth of vines it surpasses any of the varieties of Cow Peas, and it produces the largest pods of the shelved peas. This variety should be planted in May in order to come to full maturity.

Canada Field Peas.

Sown in February, March or April, with a quantity of clover. In early May, when they make a large yield of forage. Sow 1 to 1½ bushels per acre, cast with half a bushel of Oats. Cut for hay before the Peas mature.

Peck. 50c. Bus. $1.75.

Write for special prices if a quantity is required.

KAFFIR CORN.

The heads contain small white kernels, which give a very fine meal, but they are greenish yellow in color. They are usually eaten by horses and cattle, and make fine feed for poultry. These kernels are used in the grain or ground and cooked. Use 4 to 5 bushels per acre. Lb. 10c. Pk. 50c. Bus. 80c.

RUSSIAN SUNFLOWER.

Growing to double the size of the common Sunflower; the yield, however, is not equal. The best seed is twice as great. It is valuable for stock in early spring. Recommended for poultry—the best egg producing food of all. Lb. 10c. Pk. 50c. Bus. $1.00.

BROOK CORN.—50 lbs. to Bushel.—To grow Brook Corn successfully the ground should be rich and well prepared. Plant seeds in rows 3 feet apart by 18 inches. The plants should be cultivated as soon as they are out of the ground. Harvesting should be done when the seed is in a soft, milky condition.

IMPROVED EVERGREEN.—This is the favorite sort; has a fine brush, yields well, and keeps green. Height, 8 to 9 feet.


VETCHES OR TARES.—SPRING VETCHES (Vicia sativa).—CLOSELY associated with Peas in character. Highly valuable for fencing or for stock. Sometimes grown with oats, for mowing and feeding to stock. Use two to three bushels to the acre. Sow in spring while ground is cool and moist, or in early autumn.

Lb. 10c. Pk. of 15 lbs. $1.25. Bus. of 60 lbs. $4.00.

WINTER VETCHES (Vicia villosa).—Also called Sand Vetch, or Hairy Vetch. Recommended for fall sowing with rye, as many localities in the North it is hardy, remaining green all winter. A valuable food for stock in early spring.

Use 1 to 2 bushels per acre. Lb. 15c. Pk. of 15 lbs. $2.10. Bus. of 60 lbs. $7.25.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Preparation and Care of Lawns

The ground should be thoroughly drained and well enriched before sowing. Work the soil until well pulverized, and have the surface as level as possible, so that the grass may present an even appearance. After sowing, cover seed lightly and follow with roller. The best results are obtained by using plenty of seed, four bushels to the acre being about the right quantity. One quart is sufficient for 300 square feet. Let the grass obtain a good start before cutting, and then it should be trimmed with a lawn mower about every ten days. Old lawns may be improved and renewed by the application of fertilizers and seeding about half the quantity of seed required for new lawns. This should be done whenever they show any thin places.

Our Lawn Grass Should Not Be Confounded With the Cheap, Chaffy Grasses Offered at Low Prices.

PARK LAWN GRASS

This mixture does not contain so much of the high-priced grasses as our Evergreen Lawn Grass, but it is superior to many of the cheap grades offered, and will make a very nice lawn. Qt., 20c. Peck, $1.00. Bus. of 10 lbs., $3.00.

"TERRACE" SOD MIXTURE.

A special mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich velvety green turf throughout the season. Qt., 10c. Peck, $2.50. Bus. of 20 lbs., $7.00. If by mail, add at the rate of 5c. a quart for postage.

GRASSH E & TURNER CO.'S GOLF LINK MIXTURE.

Bushel ......................... $2.75. Ten Bushel Lots ..................... $2.50.

There being a growing demand for a grass mixture suitable for golf and cricket grounds, we have made a study of the grasses best adapted to these purposes, and have them mixed in proper proportions to give desired results. Many of the public and private grounds around Baltimore and other places have been sown with our mixtures, and the grounds have won the admiration of golfers and visitors.

As it is highly essential that golf and cricket grounds should be mowed closer than ordinary lawns, 14 pounds to bushel.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
#### LAWN REQUISITES

##### RUBBER HOSE

<table>
<thead>
<tr>
<th>Size (in. in.)/Length</th>
<th>Per Foot.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-ply 5/8-in., 25 to 50 ft.</td>
<td>10c.</td>
</tr>
<tr>
<td>3-ply 3/4-in., 25 to 50 ft.</td>
<td>10c.</td>
</tr>
<tr>
<td>3-ply 1-in., 25 to 50 ft.</td>
<td>10c.</td>
</tr>
</tbody>
</table>

**ORIOLE.** - 3-ply, 5/8-in., in 25 and 50 ft. lengths (125 lbs. pressure)...

**GRIFFITH & TURNER CO.'S EXTRA.** - 3-ply, 3/4-in., in 25 and 50 ft. lengths (153 lbs. pressure)...

**CREST.** - 3-ply, 1-in., in 25 and 50 ft. lengths (200 lbs. pressure)...

**GRAFFITH.** - 3-ply, 5/8-in., in 25 and 50 ft. lengths (500 lbs. pressure)...

**RUBBER HOSE FOR SPRAY PUMPS.**

- Per Foot.:
  - 5/8-inch tubing... 80c.
  - 1-inch spray, No. 1... 15c.
  - 1-inch, wire-lined suction... 40c.

**KIL-WEED**

- Can absolutely be depended upon to do what we claim.
- Mixed in the proportion of 1 gallon of Kil-Weed to 50 gallons of water, will make a strong solution that will remove grass and weeds readily by applying with a sprinkling can or cart, enabling one man to accomplish as much in this manner as would be done by five or six men removing them with hand and scythes.

- Quart Cans, each... 30c.
- Half Gallon Cans, each... 60c.
- 1 Gallon Cans, each... 1.00
- 5 Gallon Cans, each... 4.00
- 10-Gallon Cans, each... 7.50

**For further particulars see page 76.**

**KIL-WORM**

- Kills Worms, Ants, Snails, etc. Causes the insects to come to the surface to die.

- One gallon Kil-Worm makes 50 gallons of liquid. For further particulars, see page 76.

- 1 Quart Bottle... 30c.
- 1 Gallon Jug... 2.00
- 5 Gallon Jug... 9.00

**G&G**

For Use On Golf and Cricket Grounds, Parks, Cemeteries, etc.

**CRESCEINT WAVE SPRINKLER.**

Price... 25c.

- It is attachable to any nozzle. Can be operated from the hand. Supports nozzle in position when placed upon the ground. Distributes water evenly and in a show-like manner.
- Permits of full flow from the nozzle, thus lessening the liability of bursting the hose. May be shifted without closing hydrant. No treading on wet grass when shifting.
- Not necessary to detach when reeling hose. Durable and never out of order.

**G&G HOSE NOZZLE**

- Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, $1.00.

**Crescent Lawn Sprinkler.**

- This Sprinkler is compactly and strongly made with phosphor-bronze bearings and will cover a surface 45 feet in diameter. As it has a free and unobstructed channel, there is no danger of clogging with dirty water, and therefore it fills the requirements of users of such articles better than the more expensive and larger sprinklers, and will accomplish the same results.

- The top and arms are brass, full nickel-plated standard, the base and legs are iron, handsomely japanned.

- Price: 12 in. high, $1.50; 24 in. high, on sled, $2.25; 36 in. high, on sled, $2.50.

**C. B. G. SPRINKLER.**

- This is the cheapest and one of the most effective sprinklers made. The distribution of water is perfect. Price, 20c. By mail, 25c.
ORDER BY NUMBERS.

Ten 5c. Papers mailed, for 25c., or Four 10c. Papers for 25c.

9. ABUTILON.—Plants only. See page 42.

10. AGERATUM, MIXED (A).—Suitable for beds, and especially nice for cut flowers and bouquets. Packet, 5 cents.

11. ALYSSUM.—The Sweet Alyssum has pretty little white flowers, useful in making small bouquets, and its fragrance, while sufficiently pronounced, is very delicate. The Alyssum grows freely from seed, blooms the whole season.

12. ALYSSUM (Tom Thumb).—Of dwarf, compact habit, each plant covering a circle from 12 to 30 inches. It will bloom when small and remain covered with bloom from spring to autumn.

13. AMARANTHUS, MIXED (A).—Showy blooming plants, with long racemes of curious looking flowers and brilliant foliage; hardy annuals.

14. AMARANTHUS, TRICOLOR (Joseph's Coat) (A).—Red, Yellow and Green foliage; 2 feet. Packet, 5c.

15. AMARANTHUS CAUDATUS (Love Lies Bleeding) (A).—Graceful and handsome flowers of blood-red hue.

16. ANTIQUE, DOUBLE MIXED (P).—One of the most useful and showy border plants. The recently improved varieties have large, finely shaped flowers of brilliant colors. Perennial.

26. ASTER, GERMAN (A).—All colors and shades of the best German sorts. Sow seed early and transplant to rich soil.

27. ASTER, TRUEFAX PERFECTION (A).—A very favorite class; thrifty, upright growers; flowers large, almost perfectly round, with incurved petals. The florist's preference; 1 foot.

28. PRINCESS SNOWBALL (A).—This is an entirely different variety of Asters. The flowers are pure white, and are formed of short, thickly set incurved petals, there being 50 flowers on each plant.

29. MIGNONETTE, new class (A).—A splendid new class of Asters. The plants are semi-dwarf and bear in profusion flowers of a very deep purple, the petals overlapping each other.

30. VICTORIA ASTER (A).—The most beautiful of all Asters, bearing flowers of all colors and shades; the colors include many extremely delicate and gorgeous shades. The Asters grow freely from seed, blooming the whole season.

32. DWARF CHRISTMAS FLOWERING ASTER (A).—Grow 9 inches high; surpass all the dwarf varieties in size of flowers.

33. SEMPLE'S BRANCHING ASTER (A).—Three times the height of the Asters, with huge clusters of flowers on the end of each branch. Packet, 10c.

34. BACHELOR'S BUTTON, or BLUE BOTTLE (A) (Centaurium).—Very old favorite garden annual, with handsome flowers of various colors; it does best in some small bed; hardy annuals; two feet.

35. RACHEL'S BUTTON, or BLUE BOTTLE (A) (Centaurium).—Very old favorite garden annual, with handsome flowers of various colors; it does best in some small bed; hardy annuals; two feet.

36. CANNA, MIXED (Extra Choice) (A).—The Cannas are desirable not only for the beauty of their spikes of scarlet flowers, but for their highly ornamental leaves. They make superb beds for the lawn. Sow the seeds thoroughly before planting, and keep in a warm spot. Very slow to germinate.

37. SEMPLE'S BRANCHING.

FLOWERING PLANTS FURNISHED ON APPLICATION. SEE PAGES ON PLANTS.
Flower Seeds That Grow.

89. CENTROSEMA GRANDIFLO- 

RA (P).—A perfectly hardy per- 

cennial vine of rare beauty, which 

blooms in July from seed sown in 

April, and bears in great profu- 

sion large, bell-shaped flowers 

of various colors. Packet, 5c.

70. CHRYSANTHEMUMS, SIN- 

GLE. (A).—Showy and 

effective garden favorites extensively 

grown for cut flowers. The 
hardy perennial flowering border plant; good for pot 
culture indoors, and for edging the autumn flowering varieties. Packet, 5c.

71. CHRYSANTHEMUMS PRU- 

SCENT (A).—The Marguerite, or 

Paris Daisy).—Masses of 

beauties are grown in French 

tumors, and find a ready sale. It 

produces freely its white, star-like 

flowers under the most favorable 

conditions. Packet, 10c.

72. CINERARIA (Dusty Miller) 

(P).—Fine for bedding, ribbon 

beds and margins; prized for their 

beautiful, downy ivory foliage; 

half hardy perennials; two feet. 

Packet, 5c.

73. CINERARIA HYBRIDA (P).— 

Large flowered prize varieties; 

very attractive, to brighten 

blooming plants, producing large and 

brilliant flowers. Packet, 5c. for $1.00.

74. CINERARIA HYBRID DWARF (P).—Large flowered, dwarf prize va- 

rieties; splendid small cut 

flowers. Packet, 5c. for $1.00.

80. CLARKIA MIXED (A).—An old fa- 

vorable hardy annual, 

making a charming massing in any 

garden soil, and producing freely 

its cheery flowers in the season; 

1½ feet. Packet, 5c.

81. Cockscombs (Celosia Cristata) 

(A).—The most 

effectual and 

handsome of the easiest culture, highly ornamental for 

decoration of the greenhouse, draw- 

ing-room and garden. Half hardy 

annuals. Packet, 5c.

84. CONVOLVULUS, TRI-COLOR MI- 

NOR (Dwarf Morning Glory) (A).—A 

beautiful eight-foot annual, affor- 

ding a large, showy mass of flow- 

ers from June until frost. Packet, 5c.

85. COREOPSIS (Calliopsis) (P).—Very 

handsome and showy plants, with nu- 

merous fragrant colors, and of long 

duration in bloom.

85n. COREOPSIS LANCEOLATA (P).— 

IMPACT (A).—This is one of the finest of hardy 

plants, with large, showy, bright 

golden-yellow flowers, freely pro- 

duced on long stalks, from June till frost. Excellent for cutting; will 

thrive in almost any situation. 

Packet, 5c. 1-4 oz. 40c.

COSMOS.

Large flowering. Sow early 

in spring and transplant 

when danger from frost is 

past. The flowers are borne 

profusely, and present a 

charming show in 

full bloom, being covered 

through the autumn months 

with hundreds of showy 

bouquets. They are very easily 

raised and make a grand dis- 

play.

94. TINTS OF DAWN 

COSMOS (P).—A new variety comes into full bloom in July, and 

continues a mass of bloom until cut 
down by severe frost. In ad- 

dition to this, it is of dwarf 
growth, and large flowers. 

Pkt. 10c. 1-4 oz. 50c.

95b. COSMOS, Pink (A).—5c. 

95c. COSMOS, White (A).—5c. 

95d. NEW MARGUERITE COSMOS (A).—One of the prettiest and daintiest varieties imaginable. Packet, 10c.

DAHLIA.

One of our best autumnal flowering 

plants. Blooms until killed by frost; 

tuberosous-rooted, half-hardy peren- 
nials; blooming the first year from 

seed. Packet, 10c.

100. SINGLE MIXED (A).—Large, 

showy single flowers. Packet, 5c.

100a. CACTUS DAHLIA (A).—A most 

curious and desirable variety of many 

colors. Packet, 5c.

101. DIANTHUS. (See Pinks).

DAHLIA SEEDS AND PLANTS IN 

GREAT VARIETY.

See page 45 in Plant Department for full 

description of these plants and colors. 

Can supply large or small orders at short 

notice.

105. ETERNAL FLOWER (He- 

lunchs) (A).—These are very 

popular and desirable for winter 

decoration, bouquets, wreaths, etc. 

They should be cut when 

they come into full bloom, tied 

into bunches and dried in the 

shade with their heads down- 

ward. Packet, 5c.

106. FEVERPEW (GOLDEN 

FEATHER) (Pyrethrum An- 

num) (P).—A highly ornamental 

golden-yellow foliage plant, un- 
excellent for bedding. Hardy per- 
nennial; 1½ feet. Packet, 5c.

108. FORGET-ME-NOT (Mys- 

sots) (P).—Neat and beautiful 

little plants, with star-like flow- 

ers, succeeding best in a shady 

place. Packet, 10c.

109. FOXGLOVE (DIGITALIS) 

(P).—A handsome and highly or- 
namental, hardy perennial plant 

of stately growth; fine for shrub- 

eries and other half-hardy 

places; 3 feet. Packet, 5c.

110. GERANIUM (New Zonale) 

(A).—A grand strain of Gerani- 

ums, containing all shades of 

colors. Packet, 10c.

111. GLOXINIA (A).—Large flower- 

ing, choice mixed. Produces in great 

profusion large bell-shaped flowers of 

the richest variety of colors. 

Packet, 25 cents.

DAISY.
112. HELIOTROPE (A).—These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding half-hardy annuals. Packet, 5c.

115. HOLLYHOCK, CHATERS SUPER MIXED (P).—One of the oldest inhabitants of our gardens; now ranks as one of the finest annual flowers. Packet, 5c.

116. HOLLYHOCK, CHATERS DOUBLE WHITE (P).—Largely used by florists. Packet, 10c.

116. LANTANNA (A).—Of compact growth, and very profuse bloomers. Packet, 5c.

120. LARKSPUR (Delphinium) (A). One of the most showy and useful plants, possessing almost every requisite for adornment of the garden. Packet, 5c.

121. LARKSPUR EMPEROR (P).—Of symmetrical bushy habit, with a profusion of brilliant dark-blue, red-striped and tri-colored flowers. Packet, 5 cents.

LOBELIA.

A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets, because of its trailing habits. Grows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers. Annuals.

122. MIXED VARIETIES.—5c. (A).

123. ROYAL PALACE COMPACTA (A).—Rich deep blue. The finest for bedding. Packet, 10 cents.

125. MARIGOLD, DOUBLE AFRICAN (A).—A well-known free-flowering plant, of easy culture, with rich and beautiful double various-colored flowers. Packet, 5 cents.

126. MARIGOLD, DOUBLE FRENCH (A).—Of compact habit, with numerous bright, showy flowers. Very fine. Packet, 5c.

130. MARVEL OF PERU, or FOUR O'CLOCK (Mirabilis Jalapa) (A).—Very pretty annual, with vigorous growth. The flowers are brilliant, singularly mixed and varied on the same plant. 2 feet. Packet, 5c.

131. MATTHIOLA BICORNS (A).—Very fragrant at night.

133. MESEMBRANYTHEMUM CRISTALUNUM (Ice Plant) (A).—Dwarf spreading plants of great beauty, blooming the entire summer, succeeding best in dry, sandy or loamy soil, and in a warm locality. It belongs to the half-hardy annuals. Packet, 5c.

134. MIMULUS.—The beautiful Monkey Flower. Packet, 5c.

135. MIGNONETTE.—SWEET (Reseda odorata).—A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annuals. Pkt., 5c. 0z., 15c.

136. MIGNONETTE—PYRAMIDAL. (Large flowered).—The largest flowered of all Mignonettes. Annual. Pkt., 5c. 0z., 15c.

137. MACHET MIGNONETTE. —Well adapted for pot culture; dwarf pyramidial growth; bearing numerous flower stalks; one of the best. Pkt., 10c. 1/4 oz., 20c. 0z., 50c.

138. MIGNONETTE VICTORIA (A).—A splendid new, compact-growing variety of dense pyramidial growth, blooming the entire summer high. The flowers are of a brilliant red, and are suitable for pot or garden. Pkt., 10c.

139. ALLEN'S DEMISE (A).—When grown under favorable conditions and with proper care spikes will not only be of remarkable size—from 1 to 1 1/2 inches long—but deliciously fragrant; much more so than any other variety. Pkt., 10c. 1-1/4 oz., 25c. 0z., 75c.

140. GOLDEN MACHET MIGNONETTE (A).—Distinct new variety of the well-known Machet, of the same compact and robust habit, but differing from the type by its massive spikes of golden-yellow blossoms. Pkt., 5 c. 1-1/4 oz., 20c. 0z., 50c.

142. DWARF MIXED.—The dwarf variety of Nasturtium is among the most useful and beautiful of annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom of mixed colors. Pkt., 5c. 0z., 10c.

143. DWARF NASTURTIUM.—AU-DORRA.—Blush white and salmon, blotched with garnet. Pkt., 5c. 0z., 15c.

144. DWARF NASTURTIUM.—BREED.—Bright scarlet, striped with yellow. Pkt., 5c. 0z., 15c.

145. DWARF NASTURTIUM (Empress of India).—Very dark collar, with deep crimson flowers. Pkt., 5c. 0z., 25c.

146. DWARF NASTURTIUM (Golden King).—Brilliant yellow. Pkt., 5c. 0z., 15c.

147. DWARF NASTURTIUM (King of Tom Thumb).—Brilliant yellow flowers, blotched with maroon, measuring three inches across. Pkt., 5c. 0z., 15c.

148. DWARF NASTURTIUM (Ruby King).—Light ruby red. Pkt., 5c. 0z., 15c.

149. DWARF NASTURTIUM (Sne breeds).—10 (Cloth of Gold).—Golden Yellow foliage, light scarlet flowers. Pkt., 5c. 0z., 20c.

150. KING THEODOR.—Double and half-trailing. Pkt., 5c. 0z., 15c.

151. CRYSTAL PALACE GEM.—Sulphur, maroon spot; Pkt., 5c. 0z., 15c.

TALL NASTURTIUM.—See 310.

OXALIS.—ANNUALS.


PANSIES.—ANNUALS.

OUR STRAIN OF PANSIES IS THE EQUAL OF ANY.

156. PANSY GIANT TRIMARDEAU—Remarkable for the extra large size of the flower and an endless variety of beautiful shades. Pkt., 10c. 1-8 oz., 40c.

158. PANSY (Bugnot's Exhibition).—A celebrated strain of extra large size, beautiful colors, handsome broad bicots, and finely penciled with stripes of delicate hue. The ground colors are generally dark, which, with light penciling and bicots, make a magnificent flower. They are a small seedger. Packet, 25 cents.

155. PANSY HEARTSEASE. Choice mixed. An old but universally admired plant, producing an endless variety of color, marking and texture. They may be treated as annuals, as they flower the first season from seed; 6 inches. Pkt., 5c. 1-8 oz., 30c.

157. G. & T. CO.'S EXTRA MIXED. This mixture, containing the finest blotted varieties, is grown and selected with special care, and has given the most satisfactory results to both florists and amateurs for the past two years. Pkt., 15c. Two Pkts., 25c. 1-8 oz., 35c.

162. PASSION FLOWER (Southern Beauty).—Most interesting and well-known order of climbers, bearing singularly beautiful flowers. Packet, 10 cents. (A) Annual. (P) Perennial.

FOR PLANTS, SEE PLANT PAGES.
THE BEST FLOWER SEEDS.

PETUNIUS.

ANNUALS.

185. PETUNIA.—Favorite, half-hardy, succeeding well in any rich soil. For the brilliancy and variety of the colors and the long duration of their blooming period, they are indispensable in any garden. Packet, 5c.

186. SINGLE-FRINGED MIXED PETUNIA.—Large flowers, four to five inches across, of every hue, each flower being beautifully fringed. Packet, 25c.

187. DOUBLE PETUNIA.—About 30 per cent. will produce double flowers. Packet, 25 cents.

188. PETUNIA—Double-Fringed Mixed.—The flowers of this sort being double, together with being fringed, are very beautiful. Packet, 25c.

Plants of Double Petunia furnished on application. 10c. each. $1.00 doz.

PHLOX DRUMMONDII.

175. PHLOX DRUMMONDII (A).—A most brilliant and beautifully hardy annual, about one foot high, well adapted for bedding, making a dazzling show through the whole season. It succeeds well on almost any soil.

Packet, 5 cents.

167. PHLOX DRUMMONDII (B).—(Nanata).—Very fine mixed. This new strain is of dwarf, compact habit, and makes desirable pot plants; also excellent for ribbon lines and massing. Packet, 10 cents.

PINKS. (P)

180. PINK—CARNATION, or PICOTEÉ.—Choicest Double Mixed Dianthus Caryophyllus (A).—Carnation and Picotee Pinks are generally favorites for their delicious fragrance, richness of colors and profuse bloom. Perennial. Packet, 10 cents.

181. PINK—CARNATION (Riviera Market, or Gilland).—This is the only variety that will produce flowers the first season. The mixture we offer contains a magnificent variety of colors and shades, having among them flowers of canary yellow, and also striped yellow. They will thrive either in open ground or pots. Packet, 25 cents.

CARNATION.

FOR PLANTS, SEE PLANT PAGES.

200. POPPY—CARNATION (Papaver) (A).—A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil. Pkt. 5c.

201. POPPY—PEONY FLOWERED (A).—A magnificent species, large, showy, double globular flowers, resembling Peonies in shape. Packet, 5 cents.

202. SHIRLEY POPPY (A).—These beautiful Poppies are generally single or semi-double. The colors, extending from one extreme to the other, are so varied that scarcely two are alike, while many are striped and banded. The blooms cut when young, will stand for two or three days. Packet, 5 cents.

203. TULIP POPPY (A).—A magnificent species from Armenia. The plants attain a height of 14 to 16 inches, and produce from about 50 to 60 flowers of the brightest scarlet. Packet, 5 cents.

204. ICELAND POPPIES, MIXED (A).—Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The fragrant, elegant, crushed satin-like flowers are produced in never-ceasing succession from the beginning of June to October. Packet, 5 cents.

205. POPPY—IRRESISTIBLE (A).—A rare and beautiful Poppy, with immense flowers. Color, an exquisite rose. Pkt. 5c.

210. ENGLISH PRIMROSE (Primula Vulgaris) (P).—No collection of spring flowers is complete without a few of these charming little plants. A little covering in the late fall will protect them from the severe weather of winter, and the great number of flowers produced will more than repay you the extra trouble. They are not as generally grown as they should be. Packet, 10 cents.

211. CHINESE PRIMROSE (Primula Fringed) (A).—This variety is much prettier than the English, being fringed, and of the most beautiful colors. They differ from each other like the double and single Petunia. 25c.

212. RICINUS CAMBOGIENSIS (A).—Ornamental plants of stately growth and picturesque foliage; fine for borders, massing or center plants for ribbon beds; half-hardy annuals.

212½. RICINUS ZANZIBARIENSIS, MIXED (A).—Their immense leaves and gigantic flowers exceed all other varieties. Packet, 5 cents.

213. SCABIOSA — GRANDIFLORA (P).—The most magnificent improvement ever the old variety; bears beautifully formed double flowers several inches in diameter. Pkt. 10c.

215. SCARLET SAGE (Salvia Splendens) (A).—Tall, erect, green foliage. A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennial. 5c. each, 10c. per dozen, 25c. per hundred. Pkt. 5c.

216. SCARLET SAGE—CLAUDIA BEDDEN—(Bonfire) (A).—Dwarf, green foliage, flowers close to the ground. The best Salvia ever introduced. Packet, 5c. ½ oz., 75c.
220. Sensitive Plant (Mimosa).—Curious and decorative, easy to grow, with pinkish-white flowers, the leaves close in and droop when touched or when the temperature is low. Packet, 5c.

221. Stocks—Snowflake, Improved.—A beautiful dwarf-growing variety; very large, double, snow-white flowers. Our seed of this variety is grown by a specialist, and will produce a large percentage of double flowers. Packet, 5c.

222. Sunflower (Helianthus).—Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry. Packet, 5c.

223. Sweet Rocket (Hesperis).—Very pleasing, early spring flowering, producing beautiful plants, with fragrant flowers, growing freely in any light, rich soil. Packet, 5c.

224. Sweet William (Dianthus Barbatis).—A well-known free-flowering popular favorite; the great improvements upon the old varieties made within the last few years have rendered it still more desirable. Hardy perennials. Packet, 5c.

225. Sweet Violet (Viola).—Deservedly much in demand, because of their profusion of bloom and delicate, sweet odor. Packet, 10c.

226. Mammoth Verbena (A—One of the most popular and useful bedding plants. Verbena delight in sunny situations, rich soil and thorough cultivation. Packet, 5c. Ounce, $1.

227. Vinca Rosa (A).—Rose with dark eye. Packet, 5c.

228. Vinca Alba (A).—White, with crimson eye. pkt. 5c.


230. Zinnia Elegans (Youth and Old Age).—This is one of the most brilliant of annuals, and has long been a general favorite. The flowers are large, finely formed, in great variety of colors, and continue to bloom the entire season. Hardy annuals. Packet, 5c.


233. Zinnia—Zebra Flowered (A).—Packet, 5c.

275. Canary Bird Flower (Pericallis) (A).—With yellow, canary-like flowers; very ornamental and beautiful foliage; half-hardy annual. Packet, 5c.

276. Cohea Scandens (P).—A beautiful, rapid-growing climber, with handsome foliage and large bell-shaped flowers, blue; half-hardy perennial; grows 20 to 30 feet high. Packet, 10c. Ounce, 40c.

277. Cypress Vine, Red (Ippomoea quamoclit) (A).—One of our most popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow last of May; 15 feet long. Packet, 5c.

278. Cypress Vine, White (A).—Usually grown with the red, making a handsome effect. Packet, 5c.

279. Maurandia (Barelayana) (A).—These charming climbers cannot be too highly praised for their beautiful flowers and foliage. They are admirably adapted for hanging baskets, vases or trellis work. Packet, 5c.

280. Mixed Gourd (Cucurbita) (A).—Rapid growing interesting plants, with ornamental foliage and varieties of snow-white flowers. Packet, 5c.

281. Nest Egg Gourd (A).—White fruit, shaped like an egg. Used as a substitute for nest eggs. Packet, 5c.

282. Dish Cloth Gourd (A).—Packet, 5c.

283. Dipper Gourd (A).—Packet, 5c.

284. Mock Orange (P).—Frucht shaped like an orange. Packet, 5c.

285. Heavenly Blue Ipomea (A).—The flowers are in large, very clusters, and of that lovely blue so rarely seen. Flowers four to five inches across. Packet, 5c.

286. Morning Glory (Convolvulus Majus) (A)—One of the most free flowering and rapidly-growing plants in cultivation, thriving in almost any situation. The beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals. Packet, 5c.

287. New Brazilian Morning Glory (A).—Packet, 5c.

288. Giant Japanese Morning Glory (See Cut) (A).—This plant has been developed to such a state of perfection that it life blooms acquire a beauty that is almost unequalled. It is a splendid annual. Packet, 5c.

289. Moon Flower (Ipomoea Alba).—Charming and fragrant blooming vines; of rapid growth and showy effects; large white, rich soil, with a sunny exposure suits them. Packet, 5c.

290. Tall Nasturtium (Tropaeolum Majus).—Elegant, profuse flowering plants, constantly growing in favor for verandas, trellises, etc. The seed pods may be gathered while green and tender for picking. Packet, 5c. Ounce, 10c.


FOR GENERAL LIST OF PLANTS, FLOWERS AND VEGETABLES, SEE PLANT IAGES.
Classified Varieties as to Color.


350. ALICE ECKFORD.—Standard, rich, creamy, tinted pale pink. Wings pure white. Ounce, 5c., 1/4 pound, 15c.

362. AMERICA.—Large, bold flower; white striped with blood-red. Ounce, 5c., 1/4 pound, 15c.

351. APPLE BLOSSOM.—Bright rose and pink. Beautiful. Ounce, 5c., 1/4 pound, 15c.

352. ANNE.—The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with bright orange salmon. Ounce, 5c., 1/4 pound, 15c.

363. BLACK KNIGHT.—Extra large, well-expanded flowers of glossy mahogany color. Ounce, 5c., 1/4 pound, 15c.

356. BLANCHE BURPEE.—Pure white; very large flower. Ounce, 5c., 1/4 pound, 15c.

357. BLANCHE FERRY.—Popular color, standard brightest pink; keel and wings white. Ounce, 5c., 1/4 pound, 15c.

358. BLANCHE FERRY.—Extra early. Ounce, 15c. 1/4 lb., 15c.

359. BLUSHING BEAUTY.—Flowers of largest expanded form, perfect in shape, and of very good substance. Color a delicate, soft pink. Ounce, 5c., 1/4 pound, 15c.

360. BOREATTON.—A very fine dark Pea, with bold, stout flowers; color deep maroon. Ounce, 5c., 1/4 pound, 15c.

361. CAPTAIN OF THE BLUES.—Large shell-formed flowers, purple-blue; wings deep blue. Ounce, 5c., 1/4 pound, 15c.

365. COQUETTE.—Rosy cream standard; cream wings. Ounce, 5c., 1/4 pound, 15c.

366. COLUMNICA OF RADNOR.—Delicate lavender, wings delicately tipped with rose. Ounce, 5c., 1/4 pound, 15c.

371. ELIZA ECKFORD.—Standard rose, wings delicately striped with rose. Ounce, 5c., 1/4 pound, 15c.

372. EMMY HENSDILL.—Standard heliotrope, suffused with blue; wings deep blue. Ounce, 5c., 1/4 pound, 15c.

373. EMILY HENDON.—Very early; color pure white; fragrant; delicious. The plants are robust, branchy, of compact habit; flowers large, broad and round, and its abundance of bloom is phenomenal. Ounce, 5c., 1/4 pound, 15c.

374. FIREFLY.—Intense, glowing crimson. Ounce, 1/4 lb., 15c.

381. GEMETY.—Standard white, striped and flaked with rose lilac; wings delicate blush. Ounce, 5c., 1/4 pound, 15c.

376. GORGEOUS.—Flowers very large; color rich, glowing and effective. Ounce, 5c., 1/4 pound, 15c.

380. GRAY PRIAR.—Large, shell-shaped flower, white clouded, and minutely dotted with reddish lilac. Ounce, 5c., 1/4 pound, 15c.

382. HER MAJESTY.—Beautiful, soft, rose pink. Ounce, 5c., 1/4 pound, 15c.

383. INDIAN KING.—A dark maroon standard, and clear indigo blue wings. Ounce, 5c., 1/4 pound, 15c.

386. INDECIRLE SCARLET.—Flowers of intense and brilliant scarlet pink, of the largest size. Ounce, 5c., 1/4 pound, 15c.

381. KATRINA TRAEY.—Soft, brilliant pink. Ounce, 5c., 1/4 pound, 15c.

384. LADY BEACONSFIELD.—The standards are of light salmon pink; wings pale primrose yellow. Ounce, 5c., 1/4 pound, 15c.

385. LADY PENCZ.—One of the most beautiful of Eckford’s introductions. The standard is a beautiful laced pink, touching orange, while the wings are a darker and purer pink. Ounce, 5c., 1/4 pound, 15c.

386. LOTTIE ECKFORD.—New and a free bloomer, color lavender, with large bold flower; very hardy. Ounce, 5c., 1/4 pound, 15c.

387. LOTTIE HUTCHINS.—Daintily flaked with pink on cream ground, giving a rich and lovely effect. The flowers are of well-expanded grandiflora type, large in size and finely formed, borne on heavy, substantial stems. Ounce, 5c., 1/4 pound, 15c.

388. LOVELY.—The most beautiful soft-shell pink; grand flowers of large size. Ounce, 5c., 1/4 pound, 15c.

389. MARS.—Bright, fiery crimson, deepening with age; a large, round, expanded standard.
GRiffith & Turner Co.

Plant Department

Vegetable Plants.

We are now prepared to furnish all kinds of Vegetable and Flowering Plants at short notice. All of our plants are grown specially for, and we are in a position to offer our patrons the most complete assortment to be found in this country in any one establishment, and at prices as low for the same quality of goods can be obtained anywhere. Want of space forbids naming all varieties. Cash must accompany all orders. We do not ship plants C. O. D.

<table>
<thead>
<tr>
<th>Plant</th>
<th>Price per 100</th>
<th>Price per 1000</th>
<th>Special Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEET—Eclipse, Crosby, Egyptian</td>
<td>40c per 100</td>
<td>$2.00 per 1000</td>
<td>10c per 100 if by mail</td>
</tr>
<tr>
<td>BRUSSELS SPROUTS—25c per 100</td>
<td>$2.50 per 1000</td>
<td>By express not prepaid.</td>
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<tr>
<td>Cabbage—All the leading varieties. From December 1st to May 1st frame grown. 40c per 100; $1.25 per 500; $2.00 per 1000. Field grown, from May 1st to December 1st. 30c per 100; $1.25 per 500; $1.75 per 1000. By express not prepaid. Add 10c per 100 if by mail. Special prices in 10,000 lots.</td>
<td>500; 1000</td>
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<tr>
<td>CAULIFLOWER—Early Snowball, 75c per 100; $4.00 per 1000. By express not prepaid. Add 10c per 100 if by mail.</td>
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<tr>
<td>CELERY—All the leading varieties. 40c per 100; $1.25 per 500; $2.00 per 1000. By express not prepaid. Add 10c per 100 if by mail. Special prices in 10,000 lots.</td>
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<tr>
<td>EGG PLANT—Imp. Baltimore from seed bed. 50c per 100; $4.00 per 1000. Pot grown—50c per dozen; $4.00 per 100. By express not prepaid. Add 10c per 100 if by mail.</td>
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Greenhouse Potted Plants.

PRICES ON 100 AND 1000 BY EXPRESS NOT PREPAID.

Our collection of Greenhouse Potted Plants has been very carefully revised, and the varieties have been selected with great care, cutting out those of lesser value. Our Cannas, Chrysanthemums, Dahlias, Geraniums, Roses, etc., may appear small, but we wish to present to our friends a condensed list of nothing but the best, and avoiding a long list which only tends to confuse the buyer. Other varieties, however, possess merit, and a further descriptive list can be had on application. Will state in passing that we can furnish most anything in this line.

ACALYPHA.

ACALYPHA MACAFEANA.—A handsome variegated foliage bedding plant, which may be used in connection with Coleus, Crotons, or other foliage plants for sub-tropical bedding. 10c. each. (See cut.)

ABUTILON SOUV. DE BONN.

ABUTILONS.

FLOWERING MAPLE.

A Beautiful Plant for Bedding and Window Garden.

THOMPSON.—Large robust foliage. Dark green, beautifully marked yellow.

SAVITZ.—Japanese variety that is bound to become a popular decorating plant, as its perfectly variegated green and white foliage contrasts nicely with any other plant with which it may be placed. The growth is dwarf and very compact, making a fine peep-hole about; best for bedding.

SOUVENIR DE BONN (See Cut).—Beautifully variegated leaves of good size, regularly and evenly marked with white and green; orange-colored flowers.

Prices of Any of the Above Plants:

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price per doz.</th>
<th>Price per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dwarf Blue</td>
<td>$0.75</td>
<td>$7.50</td>
</tr>
<tr>
<td>Dwarf White</td>
<td>$0.75</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

AGERATUM.

INIMITABLE.—This new variety is a giant in the size of its flowers as compared with the sorts now grown. Being fully twice as large, and are produced in large heads on strong stout stems. The plant is of compact growth, about 6 inches high, and very free-flowering. The color is a lovely lavender-blue, unquestionably the finest Ageratum in existence. 15c. each; $1.50 per doz.

STELLA GURNEY.

ACALYPH MACAFEANA.

A LTERNANTHERA.

A beautiful class of dwarf plants growing only 6 inches high, admirably adapted for forming letters, ribbon lines, edges or bed. Can be cut with shears and, like long grass, grows thicker and stronger. Initials marked on the lawn with these plants is very pleasing.

AUREA NANA.—Bright golden yellow.

BRILLIANTISUM.—New. Brilliant scarlet; when worked on the lawn with other plants the effect is very striking.

PARONYCHIOIDES MAJOR.—The Best red.

ROSEA NANA.—Rosy crimson.

VERSCOLOR.—Chocolate, green and red.

Plants, each. 10c. Per doz., $1.00. By express, not prepaid. per 100, $6.00.

Plants by Express.

We do not deliver plants free by express; the purchaser pays the charges and under no circumstances will orders be accepted. The contrary, orders will be forwarded by express. Orders for plants will be forwarded at the proper time for planting, according to variety.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
BEGONIAS.

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

Flowering Varieties.

**Vernon.** Beautiful waxy foliage, Dwarf, compact grower. Splendid for bedding in semi-shady places.

**Alba.** White flowers tinted delicate pink.

**Begonia pink.**

10c. each. $1.00 per dozen.

**Begonia Rex**

(Ornamental-leaved Varieties)

Many improvements have been made in recent years in this useful house plant.

10c. each. $1.50 per dozen.

CANNAS.

Few flowering plants combine so many fine qualities as the modern Canna—a race of sub-tropical bulbous plants, of most easy culture, rapid reproduction and good keeping qualities. The floral world has been astonished by their luxuriance of foliage and gracefulness of bloom, which is of immense size, borne in large masses and trusses, combining in color the brightest and most sober shades of yellow, red, orange and scarlet, bringing them to the front as the finest ornamental plant in commerce. Useful for garden, greenhouse or sitting-room.

**Allemania.**—Exceptionally large flowers, frequently measuring 6 inches across, the upper petals salmon, with broad border and markings of golden yellow, while the lower petals are dark salmon marked with yellow in the center; foliage dark green; 6 feet.

**Black Beauty.**—New dark-leaved Canna; has the richest bronzy purple foliage, shaded black with crimped wavy margins, small crimson flower; 5 feet high.

**Charles Henderson.**—Probably the most popular crimson Canna in cultivation, of uniform, compact habit, rarely exceeding 3½ feet in height.

**Chicago.**—Has been pronounced the best of all red varieties. Color clear, deep vermilion, smooth and without markings, except a purplish gloss.

**David Harum.**—Deep bright vermilion, bronze foliage, 3½ feet high.

**Duke of Marlborough.**—Beautiful crimson maroon; the largest Canna grown. A sturdy, erect grower, with fine metallic green foliage; 4 feet.

**Ecandale.**—Fine dark variety; flowers of a soft currant red; 3½ feet.

**Florence Vaughan.**—The finest yellow-spotted variety yet sent out. The foliage is massive and of rich green color; 4 feet.

**Italia.**—Is of a bright orange-scarlet, with a very broad yellow golden border. The flowers, which are produced on massive stems, about 16 inches long, are set well above the foliage, which is large and heavy, similar to that of the Musa Ensente; 6 feet. (See cut.)

**Madame Crozy.**—Flowers of dazzling crimson scarlet, bordered with golden yellow. A marvelous and rich combination of colors. The plant is of vigorous growth, yet very dwarf in habit, rarely exceeding 4 feet in height.

**Queen Charlotte.**—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct golden belt around each petal. Height, 3½ feet. (See cut.)

**Shenandoah.**—Rich ruby red or bronze foliage, exquisitely veined and tinted. The beautiful rose pink flowers are produced in large trusses very early and abundantly.

Nice pot-grown plants of any of the above Cannas, 15c. each. $1.50 per dozen. $10.00 per 100. By express, not prepaid.

**Dry or Dormant Roots of the Above Cannas.**

Each, 5c. Per dozen, 35c. By express, not prepaid.
**CHRYSANTHEMUMS HARDY POMPONE**

These beautiful small-flowered varieties are certain to become popular for outdoor bedding purposes. They are absolutely hardy and produce abundant profusion of blooms, and the plants lend a coloration to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will frequently happen that an armful of flowers can be cut after a sharp frost. The collection we offer embraces all the leading colors, and, with but a slight covering of leaves or coarse stable litter during the winter, will take care of themselves after once planted.

- Carey—Orange.
- Boston—Bronze Scarlet.
- Bohemia—Pure Fine Yellow.
- Cerise Queen—Cerise Pink.
- Dawn—Daybreak Pink.
- Ernestine—Bright Orange Scarlet.
- Fred J.—Red Orange.
- Henrietta—Rose Pink.
- Ities—Primrose Pink.
- Jannett—Orange Edged Scarlet.
- Julia Lagrange—Crimson.
- King Henry—Large White.
- Montanta—Red Orange, Yellow Center.
- Mrs. Porter—Bright Bronze.
- Peter—Terra Cotta Red.
- Queen of Bul—Violet Rose.
- Queen of Whites—Fine Creamy White.
- Rhodos—Pink Shaded White.
- Rufus—Crimson Maroon.
- Salem—Clear Silver Pink.
- Strainagem—Dark Red Orange.
- Tennyson—Pure Yellow.
- Tivoli—White Edged Rose.

Price 10c, each; per dozen, 75c; per 100, $5.00, by express, not prepaid.

**COLEUS**

**FIFTEEN CHOICE VARIETIES.**

10c, each; 75c, per doz.: $4.00 per 100, by express, not prepaid.

**“BONORA.”**

The new wonderful discovery, good for flowering plants of all kinds, vegetables, shrubbery, lawns, fruit and shade trees, etc. It contains an abundance of active plant food in a condensed form, and a trial with its consequent results will fully demonstrate its wonderful qualities. It matures a crop two to three weeks earlier, largely increasing the same, greatly improving it in every detail. It is, in fact, to plant life what blood is to human life, and enters the life of the plant as electricity does the wires. It is easily applied; no odor, and gives immediate and lasting results. To vegetable growers **BONORA** is a veritable boon, as attested to by the high-class endorsements we are daily receiving. A trial will convince the most skeptical, and once used you will never be without it.

Dry form, all size packages, as follows:
- Mailing package, making 56 pints. $3.00
- Mailing package, making 28 gallons. .50
- 2-pound package, making 144 gallons. 2.50
- 10-pound package, making 230 gallons. 5.00
- 40-pound package, making 1,150 gallons. 20.00
- 100-pound package, making 5,800 gallons. 45.00

**THE RURAL NEW-YORKER.**

**NOVEMBER 4.**

**BONORA ON CABBAGES AND FLOWERING PLANTS.—**We have before mentioned the effectiveness of **BONORA**, a commercial plant food, on various plants. The makers now claim to have improved it by the addition of a lacking ingredient, making it a complete fertilizer, without changing its convenient, odorless character. Having at hand some of the new **BONORA**, we tried it on a dozen late cabbage plants set in poor soil that had ceased growth and showed no indications of forming heads, and on 50 plants of a choice variety of Phlox Drummondii growing thickly in a “flat” or three-inch box of soil. The Phlox plants were showing signs of starva- 
tion in spindling growth and yellow foliage. Four applications, one week apart, of one part **BONORA** to 100 of water, were made both to the cabbages in the garden and the flower plants in the box. The result was renewed growth, visible at end of first week, deep green color of foliage in two weeks in both cases, 11 solid heads of cabbage in the garden and a mass of brilliant bloom covering the crowded Phloxes at this writing, eight weeks after the first application. Both lots of plants were in condition to respond to any good, quick-acting fertilizer, but with some experience in han- 
dling home and commercial manures we have never found anything to equal **BONORA** for quick and positive effect when additional plant food is plainly needed.

**TREATED WITH BONORA**

Treated with

Fertilizer.

**THESE PLANTS DEMONSTRATE THE RESULTS OBTAINED FROM “BONORA.”**

Both were the same Size Before Treatment.

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
DAHLIAS

Potted Plants ready April 15.
Prices by the dozen and hundred are by express, not prepaid.

**Sou. de Gustave Douzon** *(Cut %)*
*(THE KING OF ALL DAHLIAS.)*

The cut gives only an idea of what this magnificent flower really is, but does not do it justice. It should be seen in nature to be fully appreciated.

When perfect, the bloom measures 7 inches across, with some of its petals 3 inches long by 1½ inches wide.

It should be called the King of all, as the word King seems to apply to something far above the ordinary. Its color is a very attractive shade of orange red, flowers of fine and symmetrical form.

All lovers of Dahlias should have it in their collection. It is impossible to give an exaggerated description of this grand flower. Price, 60c. each; $6.00 per dozen.

**New Collection Cactus Dahlias.**
The sorts named in this collection are selected from the latest varieties, imported during the past winter. Plants only.

**ALPHA.**- White speckled and striped purple lilac.
**CHARM.**- Red rose, base of petals yellow.
**DAINTY.**- Lemon yellow center, shading to glowing rose.
**HOBBIES YELLOW.**- Bright golden yellow.
**INNOCENCE.**- Bright yellow base, broadly margined white.
**JESSIE.**- Beautiful deep rosy pink, white center.
**LORD OF THE MAYOR.**- Bright crimson, base of the petals tinged yellow.
**MORNING GLOW.**- Deep primrose, tip tinged amber.
**RADISH.**- Orange rose, center fading to rose.
**ROYAL SCARLET.**- Bright scarlet; large and full.

**New Collection Cactus Dahlias—Cont.**

**SWEET WILL.**- Deep pink, a paler center.
**THOS. PARKIN.**- Bright terra cotta; incurved petals.
Price 50c. each.

**Standard Cactus Dahlias.**

**COUNTESS OF LONSDALE.**- Lustrous salmon pink, blending with amber.
**J. WEIR FIFE.**- Purplish maroon, rich and glowing. Very distinct and striking.
**KRIEMHILDE.**- Beautiful clear pink, shading lighter towards the center.
**MRS. H. J. JONES.**- Margin of petal deep crimson, with broad stripe of white running through the center, blending harmoniously.
**VOLKER.**- Charming free flowering; pure yellow.
**WINSOME.**- Fine creamy white, of good size and form. Best for cut flowers.
**BRUNHILDE.**- Color, deep rich velvety plum.
**BRITTANIA.**- Deep salmon fleshed. Early.
**GENERAL BUTLER.**- Cardinal red, with crimson shading; petals tipped with white.
**EARL OF PEMBROKE.**- Bright plum, long-pointed petals; fine form and finish.
**MRS. WINTERS.**- Finely-formed, large snow-white variety.
**STROHLEIN KHONE.**- Tints cardinal red. Very beautiful.
Price 50c. each; $1.00 per dozen.

**Collarette Varieties.**

**PRESIDENT VIGER.**- Deep blood red, shading darker toward base of the petals, with white collar.
**JOSEPH GOUJON.**- Orange red, shading to deep red, with light canary yellow collar. Price 15c. each. $1.50 per dozen.
DAHLIAS (Continued)

Collection of Double Giant Flowering.

MISS BROWNING.—Canary yellow, each petal tip.
CUBAN GIANT.—Rich round form, dark glowing crimson, shaded maroon. Largest of all show Dahlias.
GETTYSBERG.—A bright, rich, pure scarlet; full round form.
MRS. ROOSEVELT.—Beautiful blush white, shading to soft, clear pink, of immense size and substance.
Price 30c. each. Four for $1.00. Per dozen, $3.00.

New Century Single Dahlias.

CRIMSON CENTURY.—Rich deep velvety crimson, shaded maroon, with rose halo around a yellow disc.
GORGEOUS.—Brilliant, dazzling scarlet, without shade or bluish tint, except occasionally a stripe of white or a white petal.
RECORD.—Clear yellow, each petal edged and washed with scarlet.
TWENTIETH CENTURY.—Color an intense rosy crimson, tipped with white, and having white disc around the yellow center.
WHITE CENTURY.—Pure white with yellow disc; large overlapping petals of good texture.
Price 30c. each. Six for $1.30. Per dozen, $3.00.

Six Fancy Show Varieties.

ELOISE.—Distinct variety, full and regular; ground color of bluish pink, shading to white, having each petal margined with deep glowing crimson.
KAISSER WILHELM.—Old gold tipped orange scarlet.
KEYSTONE.—Pink, spotted and striped with crimson, of large size.
LUCY FAWCETT.—Canary yellow striped and blotched.
LOTTEL ECKFORD.—White, spotted and blotched purple.
STRIPED BANNER.—Cardinal red, striped white.
Price 15c. each. Per dozen, $1.50.

Twelve Best Decorative Varieties.

BLACK BEAUTY.—A grand deep maroon of distinct form.
CLIFFORD W. BRUTON.—Canary yellow of immense size; velvety grower; free bloomer.
COUNTESS OF PEMBROKE.—Soft rosy lake.
EUROPA.—Deep rose, fine regular form, quilled petals, of dwarf branching habit. Early and profuse bloomer; long stems.
GLORIOSA.—Bright scarlet; fine form.
GALLOPE.—Magenta, Magnificent flower of large size. Pure white, delicately tinged with pale lavender, of finest form and finish.
HENRY PATRICK.—Superb large pure white, petals broad and pointed, long stems. One of the finest.
PECILLO.—Handsome white, spotted and blotched purple.
MISS MAY LOMAS.—White, tipped with rosy lavender.
MRS. HALTON.—Golden bronze.
WM. AGNEW.—Immensely size, intense dazzling scarlet crimson, of perfect form. Very profuse bloomer and a great favorite.
OBAN.—Rose salmon.
Price 10c. each. $1.00 per dozen. $6.00 per 100.

Twelve Best Show Varieties.

ARABELLA.—Pale primrose, shaded old rose and lavender.
A. D. LIVONIA.—Seashell pink of perfect form.
CAMELLIA FLORA.—Snow white, best for cut flowers.
ELECTRA.—White, soft shell pink.
JOHN ELITCH.—Beautiful dark rich maroon, robust grower.
MAID OF KENT.—Variegated crimson and white.
MRS. GLADSTONE.—Dull shell pink, shaded to blotched pink.
M. D. HALLOCK.—Clear yellow.
ORLANDO.—Buff salmon shaded over amber.
PECILLO.—White; flaked and tinted lavender on edges.
RUBY QUEEN.—Rich dark maroon.
ZEFR.—White, edged with bright lilac.
Price 10c. each. $1.00 per dozen.

Pompon Varieties.

ALLIE MOOREY.—Very fine deep pink.
CATHERINE.—Best pure yellow.
LELIA.—Deep mottled and deep crimson.
RAPHAEL.—Deep maroon of fine form.
SNOW GLAD.—Pure white dwarf.
SUNSHINE.—Yellow with brown edges.
Price 10c. each. $1.00 per dozen. $4.00 per 100.

DAHLIA ROOTS IN SEPARATE COLORS.

Large clumps, 10c. each. $1.00 per dozen by express, not prepaid.

FERN BALL "MIKADO."

Directions for Starting.—Place ball in water for 15 minutes and then suspend in any desired position; repeat every two days till growth is started; after which sprinkle occasionally as required. To use in fern dish, cut ball in halves, placing flat side down, thus getting two dishes of beautiful ferns. The Fern Ball may be allowed to dry up at any time and be set away, and start again by watering as before.

THE BEST HOUSE PLANT NOVELTY IN TEN YEARS.

These balls consist of Fern roots about the size of a pencil, woven outside and around a ball of moss. These roots produce beautiful sprays of ferns from eyes or buds at nearly every inch of their length. Thus the whole surface of the ball will become covered with fern sprays. They may be suspended in any part of the room or grown on a stand or table.

PRICES.—Dormant Bails, first size, 25c. each, three for 75c; large size, 10c. each, three for 35e. By mail, 10c. extra.

FUCHSIAS.

MR. GLADSTONE.—This is the largest double purple Fuchsia extant; enormous widespread corolla, and stamens are curiously attached to the petals; extremely free. A startling variety.
BLACK PRINCE.—Bright waxy carmine; pink corolla.
PHENOMENAL.—Dark plum, red sepal.
ANNA NEVILLE.—Double pink sepal.

10c. each. $1.00 per dozen by express, not prepaid.
GERANIUMS.

JEAN VIALU—The finest semi-double pink Geranium that we have ever seen. Brilliant rose pink, with white throat, fresh and exquisite, very attractive semi-double flowers; trusses of enormous size, sometimes measuring six inches in diameter, on long rigid stems; a continual bloomer, the plant being covered throughout the entire season. Habit ideal; its dwarf stocky form is all that could be desired; its iron-clad constitution and its ease of cultivation render it one of the finest geraniums that we have for bedding. With its freedom of bloom, it is an excellent pot variety.

15c. each; $1.50 per dozen.

TWELVE STANDARD DOUBLE.

ALPHONESE RICARD—Bright vermillion scarlet.
BEAUTE POITEVINE—Aurora pink.
MAD. CANOVAS—Rich scarlet maroon.
GLOIRE DE FRANCE—White, pink shading.
MME. CHARLOTTE—Rosy salmon pink.
MME. JAULIN—Peach pink.
MME. LANDRY—Beautiful apricot salmon.
MADONNA—Pure white of special merit.
MARQUISSE DE MONTMORT—Carmine pink.
S. A. NUTT—Deep scarlet crimson.
THOMAS MECHAN—Rosy pink.

Price 10c. each; $1.00 per dozen.

dark green foliage, with dark olive zone.

SIX STANDARD SINGLE VARIETIES.

GRANVILLE—Bright rose pink.
JACQUERIE—Crimson scarlet.
LAUBE—Pure white, large flowers.
MME. BRUANT—Pure white, carmine shading.
MRS. E. RAWSON—Semi-dwarf, salmon scarlet, base of upper petals shaded violet crimson.

NUT POITEVINE—Rosy purple, maroon shading.

PRINCESS ALEXANDRA—Beautiful salmon rose, having very large trusses.

TELEGRAPH—Large single flowers, in rounded trusses, of a rich orange cerise, having

Price 10c. each; $1.00 per dozen.

BEST STANDARD DOUBLE.

BERTHA DE PRESSILY—Silver rose.

DOUBLE DRYDEN—Pure white center, petals shading to rosy scarlet.

E. H. TRÉGO—Brightest scarlet.

FLEUR BLANC—Double white, elegant form, fine size.

PETER HENDERSON—Superb bright orange scarlet.

VILLE DE POITIERS—Rose scarlet, very clear and bright.

Price 15c. each; $1.50 per dozen.

SWEET-SCENTED GERANIUMS.—Balm, Rose, etc. Six varieties, 10c. each; 6 for 50c.; 30 for $2.00.

IVY GERANIUMS.—From 2½-inch pots. 10c. each; $1.00 per dozen.

OLD STANDARD VARIETIES.—Our selection. 10c. each; $1.00 per dozen by express, not prepaid.
PLUMBAGO.

CAPENSIS.—Light sky-blue.  
CAPENSIS FLORA ALBA.—White.  
LADY DARPENT.—Hardy, deep blue.  
Price 10c. each; $1.00 per dozen.  

SILVER SPOT.

SCARLET SAGE.

The most distinct feature of this novelty is its striking and handsome spotted foliage.  
The leaves are covered with sulphur-yellow spots of various sizes; flowers are bright  
scarlet and large size. 10c. each; $1.00 per dozen; $5.00 per 100.  
SCARLET SAGE, OR SALVIA CLARA BEEDMAN OR BONFIRE.—Dwarf.  
The fire-like appearance of the flowers standing erect among the green foliage gives the plant a most  
gorgeous appearance. 10c. each; $1.00 per dozen; $5.00 per 100.  
SCARLET SAGE, OR SALVIA SPLENDENS.—Tall, erect, green foliage. The well-known  
Salvia. 10c. ea.; $1.00 per doz.; $5.00 per 100.  

JAPANESE IRIS (Kaempferi).—These magnificent Japanese Iris are among the most beautiful of our sum-  
mer flowering plants, and are destined to become great favorites. They commence flowering early in July, and  
continue in bloom for five or six weeks, if plentifully supplied with water while growing and flowering.  
Many of these flowers measure from 10 to 12 inches in diameter, and all are of the rich  
colorings and markings. Each, 15c.; 40c. if by mail, add 5c. per doz.  
ENGLISH IRIS (Anglica).—Large,  
handsome flowers with rich purple, blue and lilac colors predominating; grows 18 to 20 inches high; perfectly  
hardy. Mixed varieties, 10c. each; 40c. per dozen. If by mail, add 5c. per doz.  
GERMAN IRIS (Iris Germanica).—These popular  
varieties are the true "Flor-de-lis," the national flower of France.  
They are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied  
with water or if planted in moist situations, as on the banks of ponds, etc. Plants well established produce from  
50 to 100 spikes of bloom, deliciously fragrant and fine for cutting. In beauty the flowers rival the finest  
Orchids, colors ranging through richest yellows, intense purples, delicate blues, soft mauves, handsome  
dark reds, white, primroses, and bronzes of every imaginable shade. Mixed varieties, 10c. each; 40c. per dozen. Ready  
in November.  
SPANISH IRIS.—Excellent for pot culture, and are now being grown for  
cut flowers. Plant in the open ground in autumn and protect slightly during the winter months. Early in April the beds with glass and flowers will be ready for cutting in May.  
Mixed varieties, 10c. each; 40c. per dozen. If by mail, add 5c. per dozen for postage.  

PEONIES.  
One of the most popular hardy plants grown for lawn  
and garden decoration.  
DOUBLE CRIMSON.  
DOUBLE WHITE.  
DOUBLE ROSE.  
Price 25c. each; $2.50 per dozen. Postage extra 5c.  
each if wanted by mail.  

YUCCA  
A hardy evergreen plant  
with long narrow leaves that are bright green the whole  
year. The flowers are creamy white, bell-shaped; produced  
on long spikes 3 to 4 feet high. Fine stately lawn plant.  
FILAMENTOSA GLORIOSA  
(Adam's Needle).—Price one  
year old, 10c. each; $1.00 per  
doz. Two years old, 10c.  
each; $1.50 per dozen.  

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
PETUNIA.

For outdoor decoration or house culture few plants equal the Petunia in effectiveness. They commence flowering early and continue a sheet of bloom throughout the whole season until killed by frost; easily cultivated, only requiring a good soil and sunny position.

SUPERB DOUBLE FRINGED.

COMEDY.—Light amaranth red; edged with pure white.

HARMONY.—A fine self-colored soft mauve rose, occasionally mottled with white.

DEFENDER.—A fine double white.

COMET.—Brilliant French purple; mottled white.

TALMA.—Pure white; mottled with deep carmine violet.

Named varieties, 15c. each; $1.25 per dozen.

SUPERB DOUBLE FRINGED MIXED.

10c. each; $1.00 per dozen.

SUPERB SINGLE FRINGED MIXED.

10c. each; $1.00 per dozen.

(Ready April 1st.)

FLOWER TUBS.

The ease with which Water Lilies and Aquatics are cultivated, the certainty of handsome results the same season they are planted, the magnificent flowers of great variety of form and color, their delicate perfume, and the great fascination in growing them, is making the water garden widely popular.

NYMPHAEA ODORATA.—The well-known fragrant pond lily; lovely pure white flowers, 15c. each; 4 for 50c.; $1.25 per dozen.

NYMPHAEA ODORATA GIANT.—A superb variety, and should be in every collection. Similar in all respects to Nymphaea Odorata; flower very large and full. 15c. each; 4 for 50c.; $1.25 per dozen.

NYMPHAEA ODO.—Our native pond lily; 15c. each; 4 for 50c.; $1.25 per dozen.

PINK CAPE COD WATER LILY.—Possesses all desirable qualities of Nymphaea Odorata. Flowers, large size; cup-shaped; color, lovely deep pink; delicious fragrance; free bloomer; most desirable variety. 40c. each; $3.50 per dozen.

INDURATED FIBRE WARE.

ABSOLUTELY IMPERVIOUS TO WATER. LIGHT WEIGHT. NO JOINTS.

Florists’ Vases.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
<th>Price</th>
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Fibre-Ware Rolling Stand

Mounted upon casters; easy to move heavy plants.

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PARLOR PLANT TUB.

Embossed Green.

<table>
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<tbody>
<tr>
<td>12</td>
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<tr>
<td>14</td>
<td>1.75</td>
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ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
**BULBS FOR SPRING PLANTING.**

**CALADIUMS.**

**ELEPHANT'S EAR.**

The Caladium Esculentum is one of the handsomest of the ornamental-leaved plants. It will grow in any good garden soil, and is of the easiest culture. To gain the best result it should be planted where it will obtain plenty of water, and an abundance of rich compost. Roots planted in the spring will make good growth in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length and nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden.

**FIRST SIZE BULBS (7 and 9 inches).—Each, 5c. By mail, 10c. 50c. per dozen.**

**LARGE BULBS (9 and 11 inches).—Each 10c. By mail, 15c. $1.00 per dozen.**

**EXTRA LARGE BULBS (11 inches and upwards).—Each, 15c. By mail, 20c. $1.50 per dozen.**

Prices per dozen are by express, not prepaid.

**TUBEROSES.**

One of the most fragrant and popular of the summer flowering bulbs. May be started early in hot beds or pots, or planted in open ground after first day of May.

<table>
<thead>
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<th>Each</th>
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**MADEIRA VINE ROOTS.**

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</thead>
<tbody>
<tr>
<td>Each</td>
<td>5c.</td>
<td>35c.</td>
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**GLADIOLUS.**

If wanted by mail, add 10c. per dozen for postage.

The cultivation of the Gladiolus is very simple, as they will thrive in any good garden soil, but will amply repay one for careful cultivation. A succession of bloom may be had from July to September by planting at intervals from April to June.

**OUR GLADIOLUS are from one of the largest growers in the country, and one who has the finest assortment to be had either in this country or Europe; therefore we claim them to be unexcelled as to quality.**

**MIXED (all colors), dozen, 25c., $1.50 per 100.**

**WHITE AND LIGHT COLORS, dozen 30c.: $2.00 per 100.**

**EXTRA WHITE AND LIGHT VARIETIES.—All first-class varieties, made up largely from best named sorts, including ten per cent. of Snow White, 5c. each, 50c. per dozen. $3.50 per hundred.**

**CHILDIS MIXED.—Extra large and fine, 40c. per dozen, $2.00 per 100.**

**LEMOINE'S (Mixed).—Extra fine, 35c. per dozen, $4.75 per 100.**

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
SELECT EVER-BLOOMING ROSES.

**GROSS AN TEPILITZ.**—New Hardy Ever-blooming Hybrid Tea Rose. The flowers are large, full and moderately double; are handsome and made of splendid substance and are produced on extraordinarily long stems that shoot out beyond the foliage in fine yet handsome disorder. The color is fiery crimson, shaded with a dark, velvety sheen, producing the most gorgeous effect ever seen in any rose. It grows to a height of four to five feet, is perfectly hardy in all sections and blooms all the time.

**GENERAL JACQUES-MINOT** (Hybrid).—Too well known to require lengthy description. It still holds first place among the dark red Roses and is one of the most satisfactory to grow. A rich crimson scarlet, simply a mass of bloom when at its best.

**METEOR** (Hybrid Tea).—A velvety red ever-bloomer of the deepest glowing crimson. Flowers very double and petals slightly recurved. A beautiful open rose, a free bloomer and growing well as a pot Rose.

**AMERICAN BEAUTY** (Hybrid).—This variety has been rightly described as an ever-blooming hybrid perpetual. The flowers are very large and double; color, a deep rich rose. The fragrance is delightful. Each shoot produces a bud.

**CLOTHILDE SOUTPE** (Tea).—This is the most famous ever-blooming Rose (Polyantha Tea). Its charming coloring—the shade from deep white to purest rose, double blooms, delightful fragrance, wonderful vigor and freedom of bloom combine to make it a most beautiful Rose.

**WHITE MAMAN COCHET.**—This is a superb variety; snow-white. The flowers are large and very double, making it of more than ordinary value in open ground.

**WHITE MAMAN COCHET** (Tea)—This is the hardest of the Teas, and may be had in bloom the entire year by proper treatment. The flowers are of good size, deep and full and very sweet-scented; color, rich golden yellow. (See cut.)

**SAFRANO** (Tea).—Buff, tinted apricot.

**GOLDEN GATE** (Tea).—This is a beautiful free blooming and healthy Tea Rose that we can recommend to everyone desiring large flowers, long stem and continuous bloom. The buds are long and pointed, opening out into a well-shaped flower of creamy white, delicately tinted with golden yellow and rose. (See cut.)

**HELEN GOULD** (Tea).—Hardy ever-blooming Tea Rose. The flowers are of a rosy crimson, equal in form, color and fragrance to American Beauty. One of the best and strongest bloomers yet introduced.

**DUCHESS OF ALBANY** (Tea).—Rich, deep pink. An improvement on the well-known La France.

**HERMOSA** (Tea).—Clear bright pink.

**KAISERIN AUGUSTA VICTORIA** (Hybrid Tea).—One of the most desirable white Roses for summer bedding; large flowers produced in great profusion; a strong, healthy grower with large foliage.

**MAMAN COCHET** (Tea).—A beautiful new Tea Rose. One of the very best and most valuable Roses of recent introduction, especially for outdoor blooming. The finest pink garden Rose yet introduced. The flowers are of great size and very double; color, bright rose.

**MAD. CAROLINE TESTOUT** (Hardy Hybrid Tea Rose).—Large petals of LaFrance form. Both flowers and buds are extra large. The color is brilliant satiny rose, deepening to clear red at center.

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
SELECT
EVERBLOOMING ROSES.

PRICES (except where otherwise noted):
One dozen choice mixed, two years old........,$5.00, 50c. each.
By express, not prepaid.
One dozen choice mixed, six months old.......$1.25, 15c. each.
By express, not prepaid.

DON SILENCE (Tea).—Brilliant carmine.
BRIDESMAID (Tea).—The flowers are very large and of fine,
regular, full form, delightfully tea-scented; color, clear rose-pink.
A free and constant bloomer; makes elegant buds for cutting.
SOUVENIR DU PRES. CARNOT (Tea).—The growth is vigorous,
the flower is very large, both in the bud and expanded; open beau-
tifully. Rosy flesh, very soft in the center, and shaded with a
lighter flesh at the end of the petals.
DUCHESSE DE BRABANT (Hybrid).—Beautiful buds, deep rose-
pink, edged with silver; blooms quickly and constantly; one of
the best.
LA FRANCE (Tea).—Undoubtedly the most perfect type of a
cut-flower Rose. No variety surpasses it in delicate color—
silvery rose, with a soft sheen over all its petals. Flower large,
with the well-known fragrance.
PAPA GONTIER (Tea).—Dark crimson red, with long, pointed
nodes; beautiful for cutting.
SOUV. DE PIERRE NOTTING.—Superb new Tea Rose, which is
the result of cross of Marceval Nell on Mamam Cochert. Blossoms
very large, well filled and opens easily. Color, apricot yellow
tinged with golden, mixed with orange yellow; edge of petals shaded beautiful card-
mine rose; open flower is full and double and of good substance.
In quantity of bloom it is reached by no other known Rose.
Price 1-year-old Plants 20c. each, $1.00 per dozen. 2-year-old Plants 50c. each,
$4.00 per dozen.
ENCHANTER.—New Hybrid Tea. Another splendid American introduction, the
result of years of diligent work on the part of the originator, Mr. John Cook. Every
shoot throws a flower, and the flowers are beautifully made, of remarkable size, and in
color clear bright pink, which never fades.
Price 1-year-old plants 30c. each; $3.00 per dozen. 2-year-old plants
65c. each, $7.50 per dozen.
CARDINAL.—New Hybrid Tea. One of the really great new Roses. A
strong, robust grower; large massive crimson flowers, deliciously frag-
grant, full and double to the center. Extremely free flowering and of
easy culture. Price 1-year-old plants 30c. each, $1.25 per dozen. 2-year-
old plants 65c. each, $7.50 per dozen.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BABY RAMBLER.—New Dwarf Everblooming Crimson Ramble (MADAME NO
BERT LEVASSEUR). This is the Rose that has created a commotion in the Rose
world which no other Rose has ever approached. It is without question a decided
sensational variety, and identical in every way with that wonderful Rose, Crimson
Rambler, except it is a dwarf bushy grower and a true everbloomer, being in bloom
all the time; flowers in large clusters; color brightest crimson. It grows to a height of
18 inches and hides the plant with its flowers.
Price 1-year-old Plants 30c. each, $3.00 per dozen.

HARDBY
CLIMBING ROSES.

Six months old, each, 15c.; doz. $1.25; Two-year-
old, each, 50c.; doz. $3.00. By express not prepaid.

WHITE MICROPHILLA, OR MAGNOLIA ROSE.—Bich, same white; the most deliciously frag-
grant of all Roses; has strong resemblance to the color of a magnolia; hence its name. Strong, rapid grower; bears abundant clusters; very hardy; constant bloomer. This is
not a new Rose, but the old-time climber that was so extensively grown in ante-bellum days, and now com-
ing to the front as one of the great climbers.

REINE MARIE HENRIETTE.—Cherry-red; a beautiful,
lovely shade. Buds long and pointed.

CRIMSON RAMBLER.—Magnificent pyramidal clusters of rich
crimson Roses. Every cluster a perfect bouquet of Roses in itself.
Grows ten to twenty feet in a year.

CLIMBING CLOTHILDE SOUPERT.—This grand new Rose is of the
climbing form of the well-known and popular Rose Clothilde Soupert. It is a
vigorous grower, forming canes 15 feet in one season, and covered with large
color clusters of flowers all summer. Flowers are large, double and a beautiful shell
pink, forming the buds in clusters. Perfectly hardy, and will stand any kind
of weather. We cheerfully recommend it as the best of all the hardy ever-
blooming Roses.

CLIMBING METEOR.—Blooms almost constantly. Flowers large and of
that rich, dark, velvety crimson color seen only in the Jacqueline. Strong
well-rooted plants.
FRUITS.

Summer Apples.

YELLOW TRANSPARENT.—Ripens among the earliest. July. 35c. each, $4.00 per dozen. $18.00 per 100.

STARR.—One of the best. July. 35c. each, $4.00 per dozen. $18.00 per 100.

Autumn Apples.

GRAVESTEIN.—August. 50c. each. $4.00 per dozen. $18.00 per 100.

OLDENBURG (Duchess of Oldenburg).—August. 50c. each. $4.00 per dozen. $18.00 per 100.

Winter Apples.

LANKFORD'S SEEDLING.—A popular sort for late winter use. 50c. each. $4.00 per dozen. $18.00 per 100.

YORK IMPERIAL.—GOOD WINTER. 50c. each. $4.00 per dozen. $18.00 per 100.

STAYMAH'S WINESAP.—A great apple. 50c. each. $4.00 per dozen. $18.00 per 100.

Additional Varieties.


RED ASTRA CHEN, S. Carolina Red June, T. Tetofsky, S. Fall. 50c. each. $4.00 per dozen. $18.00 per 100.

BENTLEY'S SWEET. 50c. each. $4.00 per dozen. $18.00 per 100.

VERMONT BEAUTY.—In color it is a rich yellow, with a beautiful bright-carmine cheek. The fruit is of medium size, and the flesh is of the finest quality, being rich, juicy and aromatic. 50c. each. $4.00 per dozen. $18.00 per 100.

CRAB APPLES.—50c. each. $5.00 per dozen.

PEARS.

KOONEE.—Medium to large, very handsome; surface yellow, one side covered with a bright carmine, containing brown dots; quality very good, spicy, juicy and sweet. The Koonee is a vigorous grower, very early, superbly productive, and an annual bearer. 50c. each. Three for $1.25.

VERMONT BEAUTY.—A plum-like, fine summer pear. 40c. each. Three for $1.25.

GABERED.—September and October. Said to be blightproof. 40c. each. $4.00 per dozen. $18.00 per 100.

PRAIRIE.—The fruit is large, rich and juicy, and a suitable variety for the South. 40c. each. $4.00 per dozen. $18.00 per 100.

PHELISH BEAUTY, BARTLETT, SECKEL. 50c. each. $4.00 per dozen. $18.00 per 100.

DWARF PEARS.

Prices on Dwarf Pears, 2 and 3 Years, First Class: 35c. each. $3.50 per dozen. $20.00 per 100.

The following varieties succeed well as dwarfs:

Angouleme, Anjou, Lawrence, Seckel, Manning's Elizabeth.

PEACHES.

CARREN.—Hardy, rot-proof. Ripens with Early Rivers; almost as large as Elberta. Pale yellow skin; flesh white. Melting, juicy. Ripens ahead of Mountain Rose.

35c. each. $3.50 per dozen.

ELBERTA.—Needs no description. 25c. each. $3.00 per dozen.

ITALIAN DWARF.—Very hardy. Begins bearing when 12 to 15 inches high and seldom exceeds 3 or 4 feet. Fine for small yards. White; free-stone. 25c. each. $3.00 per dozen.

GOLDEN DWARF.—Rarely grows over 4 to 5 feet. Very hardy; cling. Excellent eater. Fine for city yards. 25c. each. $3.00 per dozen.

Alexander, Louis, Yellow St. John, Mountain Rose, Early Elly, Crawford Early, Wheatland, Crawford Late, Chairs Choice, Family Favorite, Chinese cling, Old Mixon, Reeve's Favorite, Christiana, Smock Free, Globe, Ringgold Cling. 15c. each. $1.75 per dozen. $12.00 per 100.

Japanese or Ornamental Plums.

RALE.—Most vigorous tree of all the Japanese. Fruit large; bright orange, mottled with cherry red. Superb in quality. Ripens middle of September. Price, 60c. Three for $1.75.

WICKSON.—Fruit small; flesh tender and sweet and delicious. 50c. each or three for $1.25.

Season just following the Burbank Plum.

Will sell one of each or a three in one order for $1.25.

BOTAN, OR ABUNDANCE.—First of August.

BURBANK.—September 1st. The two above-named varieties, 40c. each. Three for $1.00. Six for $2.00. $3.50 per dozen.

CHERRIES.


DUKE AND MORELLO.—Dye House, Belle Magnifique, Early Richmond, Delaware, Montmeunery. Price, 50c. each. $5.00 per dozen.

APRICOTS.

HARRIS.—Very hardy; blooms late; sure bearer; fine golden yellow. 40c. each. $4.00 per dozen.

RUSSIAN VARIETIES AND NECTARINES.

50c. each. $5.00 per dozen.

NUT-BEARING TREES.

Spanish Chestnut, English Walnut, Paper-Shell Pecon, Fili-
bera, Shells Bats, Hard and Soft. Shell almonds. Price, 30c. each. $3.00 per dozen.

GRAPE VINES.

AMPELOPSIS.—See Plant Pages, page 56.

CLEMATIS.—See Plant Pages, page 56.

BALSAM.—See Plant Pages, page 56.

HYDRANGEA.—See Plant Pages, page 56.

ORIOLE.—See Plant Pages, page 56.

RUSSIAN AND AMERICAN VARIETIES, INCLUDING SHROPSHIRE DAMSON, 35c. each. $3.00 per dozen.

Japanese or Ornamental Plums.

RALE.—Most vigorous tree of all the Japanese. Fruit large; bright orange, mottled with cherry red. Superb in quality. Ripens middle of September. Price, 60c. Three for $1.75.

WICKSON.—Fruit small; flesh tender and sweet and delicious. 50c. each or three for $1.25.

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Will sell one of each or a three in one order for $1.25.

FOR VEGETABLE AND FLOWERING PLANTS, SEE PLANT PAGES.
Cook Stove Fruit Drier:

It is a little gold mine. No labor you can perform for cash returns, pays as well as that of converting wasted fruits into evaporated stock. These products are among the highest-priced luxuries in food products. Evaporated peaches, cherries and raspberries, 20 to 25 cents per pound; apples, pears, blackberries, etc., 10 to 15 cents; all salable to or may be exchanged with your grocer for anything he sells. Recall the Waste of Fresh Fruits on the farm or town lot for Seasons Past. Price $5.

### STRAWBERRY PLANTS:

Varieties Marked “P” Should Have Another Perfect Flowering Sort Near Them.

We offer a nice stock of Strawberry Plants of all the leading varieties, and at low prices, considering the quality of the stock. We can supply them at short notice freshly dug and shipped direct from the nursery.

**Jessie**—Mid-season; good size and productive.

**Glen Mary (New)**—A very large variety; larger than Sharpless or any other berry.

**Clyde**—Fruit large, firm and of light scarlet color.

**Excelsior**—A new acquisition; large, late, very prolific; splendid for canning and shipping.

**Brandywine**—Very late, productive; strong grower.

**Tennessee Prolific**—Large, sweet, firm.

**Kentucky**—Medium to late.

**Gandy**—Late. Fine for canning and shipping.

**Michel’s Early**—Very early.

**Bubach (F)**—Medium to late.

**Tubes**—Very early.

**Sharpless**—Old reliable.

**Wilson**—Old standard sort. Medium, early.

**Cumberland**—Medium, very large, juicy, of good flavor. Productive.

**Crimson Cluster**—Late. One of the finest yet introduced.

**Hoffman**—Medium size, firm and good quality and productive.

**Johnson’s Early**—One of the finest early berries grown. Do not let it get too thick.

**Zelizer’s Early**—For an extra early berry this is best of all. Good keeper. Very productive for so early a berry. Ahead of Michel's in size and productiveness.

### PRICE—Any of the above varieties, strong, healthy layer plants. 25c. per doz., 75c. per 100, $4.00 per 1000. Ready October 15.

Pot-Grown plants will be ready for delivery after September 15. Price per doz., 75c., per 100 $4.00.

### CURRANTS.

<table>
<thead>
<tr>
<th>Cherry</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Per half-dozen</td>
<td>0.65</td>
<td>1.25</td>
<td>6.00</td>
</tr>
<tr>
<td>Per 100 (by express)</td>
<td>1.25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fay’s Prolific.**

Strong grower, wonderfully productive, and comes to bearing young; fruit large, bright red and good quality.

Per half-dozen | 0.75
Per dozen | 1.45

**White Grape.**

Per half-dozen | 0.65
Per dozen | 1.35
Per 100 (by express) | 6.00

### Japan Wineberries.

This fruit is but little known, but should be in every garden. It is wonderfully productive.

Per dozen (by express) | $2.00

**Orange (Hardy).**

### RASPBERRIES.

**KANSAS (Black Cap).**

The fruit is handsome, firm and of fine quality. Its canes are of strong growth, hardy and prolific, with tough, healthy, clean foliage. Its season is about second early—later than Souhegan, but earlier than Gregg. 65c. per dozen; $3.00 per 100.

**Fruits Evaporated.**—Raspberry of Cuthbert; bright red; does not fade; core very small; ripe very early; heavy bearer; best shipper. 65c. per dozen; $3.00 per 100.

**Golden Queen, Cuthbert, Ohio and Souhegan.**—65c. per dozen. $3.00 per 100.

### Blackberries.

**Eldorado.**—Berries very large; jet black; sweet, melting; no hard core; splendid keeper and shipper. 75c. per dozen; $3.50 per 100.

**Wilson, Jr.**—Very early.

**Early Harvest.**

**Luceria (Dewberry).**—As early as Early Harvest and as large as Wilson. Plant entirely hardy, healthy, strong grower and very productive.

### GOOSEBERRIES.

**Downing.**

Two-Year-Old.

Per half-dozen | $0.75
Per dozen | 1.50
Per 100 (by express) | 10.00

**Houghton’s Seedling.**

Per half-dozen | 0.65
Per dozen | 1.35
Per 100 (by express) | 6.00

**Japan Hardy Orange.** (Citrus trifoliata)

New Hardy Orange. It blooms and fruit profusely in the parks of Philadelphia and New York. To have a fruiting Orange tree in your garden is certainly something to be proud of; its large, white, sweet-scented flowers are produced in the greatest abundance before the fruit appears. Well adapted for hedges, making a close, compact growth that nothing can penetrate. Fruit small, bright orange red in color, has a peculiar flavor, fine for preserving.

Three Years Old, By Freight or Express.

Each | $0.40
Per dozen | 4.00
Per 100 | 16.00

FOR VEGETABLE AND FLOWERING PLANTS, SEE PLANT PAGES.
How and When to Spray

Intelligence in application and good judgment are the two great principles that insure success in spraying.

Professor W. O. Smith, of Cornell College, says in one of his reports that he made a very interesting observation in an application of KIL-o-SCALE, made by a local nurseryman. We quote him as follows: "I made an excellent illustration of how spraying is often done, and I advised the owner at once that he must not look for satisfactory results. The object seemed to be to get over the greatest number of trees in the least possible time, and whenever the spraying routine is made over in many movements as might reasonably be required for a covering, the work was considered finished. Such work is bound to be unsuccessful, no matter what the material applied, and is regretfully concluded that much of the work done is of this same general character."

In spraying for San Jose scale both full and spring applications are very advisable, but in cases where it is impossible to do it twice, then the spring of the year is preferable. The advance of the spraying twice lies in the fact the scale that are missed in the first spraying can be killed in the second.

**Bordeaux Mixture.**

| COPPER SULPHATE SOLUTION | 1 pound. | Water... | 15 gallons. | Dissolve the copper sulphate in the water when it is ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and nectarines 25 gallons of water. For fungous diseases, 10 gallons. |

<table>
<thead>
<tr>
<th>PLANT</th>
<th>FIRST APPLICATION</th>
<th>SECOND APPLICATION</th>
<th>THIRD APPLICATION</th>
<th>FOURTH APPLICATION</th>
<th>FIFTH APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple (Canker worm, codling moth, bed moth, scab.)</td>
<td>Spray before buds start, use copper sulphate solution.</td>
<td>After the blossoms have formed, but before they open, Bordeaux and Paris green.</td>
<td>Within a week after blossoms have fallen, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate.</td>
</tr>
<tr>
<td>Bean (Anthracnose)</td>
<td>Copper sulphate (Worms, aphids, etc.)</td>
<td>Water...</td>
<td>10 to 14 days later, repeat.</td>
<td>Repeat last if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Carriage (Root and other diseases)</td>
<td>Before buds burst, copper sulphate solution.</td>
<td>When buds burst, Bordeaux.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Cherry (Rot, aphids, currant, mildew and slug)</td>
<td>Before buds burst, use copper sulphate solution.</td>
<td>After the blossoms have formed, but before they open, Bordeaux and Paris green.</td>
<td>Within a week after blossoms have fallen, Bordeaux and Paris green.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
</tr>
<tr>
<td>Currant (Worms, mildest)</td>
<td>When plants cut, dip in Bordeaux.</td>
<td>When plants cut, dip in Bordeaux.</td>
<td>When fruit set has, Bordeaux and Paris green.</td>
<td>10 to 14 days later, if signs of rot appear, repeat.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
</tr>
<tr>
<td>Gooseberry</td>
<td>When buds burst, use copper sulphate solution.</td>
<td>When buds burst, use copper sulphate solution.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>If worms still trouble, repeat Bordeaux for mildew.</td>
<td>If mildew persists after Bordeaux, repeat if necessary.</td>
</tr>
<tr>
<td>Grape (Fleece-bud, fuscos. diseases)</td>
<td>As leaves open, Bordeaux and Paris green.</td>
<td>As leaves open, Bordeaux and Paris green.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Nursery Stock (Fungous diseases)</td>
<td>When first leaves are half grown, Bordeaux and Paris green.</td>
<td>When first leaves are half grown, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
</tr>
<tr>
<td>Peach, Apricot (Leaf curl, currant, mildew and rot)</td>
<td>Before buds swell, copper sulphate solution.</td>
<td>As soon as fruit has set, Bordeaux and Paris green.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
<td>10 to 14 days later, Bordeaux or weak copper sulphate solution.</td>
</tr>
<tr>
<td>Pear (Leaf-blight, scab, codling moth and spic.)</td>
<td>Before buds burst, copper sulphate solution.</td>
<td>Before buds burst, copper sulphate solution.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Plum (Black knot, rot and all fungous diseases, currant.)</td>
<td>For scab small seed in corrosive sulphate solution (2 oz. in 10 gallons of water).</td>
<td>For scab small seed in corrosive sulphate solution (2 oz. in 10 gallons of water).</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Potato (Beetles, scab, blight)</td>
<td>After the blossoms have formed, but before they open, Bordeaux and Paris green.</td>
<td>After the blossoms have formed, but before they open, Bordeaux and Paris green.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Quince (Leaf and fruit spot, rot)</td>
<td>Before buds swell, copper sulphate solution.</td>
<td>Before buds swell, copper sulphate solution.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Raspberry, Blackberry, etc. (Leaf and fruit spot, rot)</td>
<td>Before the blossoms open, Bordeaux and Paris green.</td>
<td>Before the blossoms open, Bordeaux and Paris green.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Rose (Mildew, 'b lack spot, red spider)</td>
<td>As soon as fruit has set, Bordeaux and Paris green.</td>
<td>As soon as fruit has set, Bordeaux and Paris green.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Strawberry (Rot)</td>
<td>When beetles or their larva appear, Bordeaux and Paris green.</td>
<td>When beetles or their larva appear, Bordeaux and Paris green.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Tomato (Rot and blight, worms)</td>
<td>When black spot appears, Bordeaux and Paris green.</td>
<td>When black spot appears, Bordeaux and Paris green.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeat if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Violet (Blight, red spider)</td>
<td>When blight is first seen, water copper sulphate.</td>
<td>When blight is first seen, water copper sulphate.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
<td>10 to 14 days later, repeating each week.</td>
<td>Without any delay, Bordeaux and Paris green.</td>
</tr>
</tbody>
</table>

**AMMONIAL COPPER CARBONATE.**

Copper Carbonate & 1 ounce. Ammonia enough to dissolve the copper. Water... | 10 gallons. | The copper carbonate is best dissolved in large bottles, where it will keep indefinitely, and should be diluted with water as required. For the same purpose as Bordeaux Mixture.

**KEROSENE EMULSION.**

| HARD SOAP | ½ pound. | WATER... | 1 gallon. | Dissolve the soap in the water, then add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 10 to 25 times before applying. | Use strong emulsion for all scale insects. For insects which suck, such as leaf lice, red spider, thrips, barks, lice, or scale. Cabbage worms, currant worms and all insects which have soft bodies, can also be successfully treated. |

**BOBPEAVX HOW TO SPRAY.**

<table>
<thead>
<tr>
<th>Crop</th>
<th>How and When to Spray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Bean</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Carriage</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Cherry</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Currant</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Gooseberry</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Grape</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Nursery Stock</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Peach, Apricot</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Pear</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Plum</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Potato</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Quince</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Raspberry, Blackberry, etc.</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Rose</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Strawberry</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Tomato</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
<tr>
<td>Violet</td>
<td>Spray with KIL-o-SCALE.</td>
</tr>
</tbody>
</table>

**EXPLANATION.**—Whenever an Asterisk (*) is used it cautions against spraying with poisons while the plants are in blossoms. A Daggar (†) indicates that there is danger of making an application of the wrong substance. The best time of the year the fruit is to be used as food. **WHEN TO SPRAY.**
L. M. OLMSTEAD'S IMPROVED RELIABLE MOLE TRAP (Fig. 1.)

No Cheap Trap So Good. No Good Trap So Cheap.
Springs are furnished to operate the trap. The spring can be readily attached and detached.
This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper box, one dozen in a case. Price $1.50.

OUT OF SIGHT MOLE TRAP (Fig. 2.)
Considered to be one of the best and cheapest Mole Traps on the market. Especially valuable for hotbeds and frame on account of the convenient size. Price $1.00.

THE MODEL MOLE TRAP.
This, while possessing all the good qualities of other traps, is especially adapted for setting under glass. Price $1.75.

G. & T. MOLE TRAP.
This is a good Mole Trap for the money. Price $1.00.

THE LITTLE GIANT MOLE TRAP.
Self-setting by pressing down on lever. Very convenient feature found on no other trap. Made from best spring steel, thoroughly galvanized. Simple and durable in its construction. Price 75c.

GARDEN REELS (Fig. 4.)
Small size............ 60c. Large size......... 75c.

EXCELSIOR WEEDER (Fig. 5.)
Price................ 10c. Mailed.............. 15c.

LARGE HAND WEEDER (Fig. 6.)
Malleable Iron Hand Weeder............. 15c.
Solid Steel Hand Weeder................ 25c.
By mail, 10c. extra.

DIBBERS.
For transferring plants. By far the best thing for the purpose ever introduced.
Fig. 8.—Right-angle shape, steel-polished, wood handle—40c.

EDGING KNIVES (Fig. 9.)
9 inch, American........... $0.75 8 inch, Eng., black........... $1.75
8 inch, Eng., black............ 1.25 10 inch, Eng., black........... 1.50

SCUFFLE HOES (Fig. 10.)
4 inches................. 50c. 8 inches.............. 70c.
6 inches................. 60c. 10 inches............. 80c.

PLANTAIN TROWEL (Fig. 11.)
No. 2, 6-inch blade.............. 15c. No. 1, 8-inch blade........... 25c.

GARDEN TROWELS (Fig. 12.)
Each.
Best forged, English steel, socket handle, strong and durable, 6-inch............. 40c.
American, Florist............. 25c.
" 6-inch bright steel blade, plain handle........... 5c.
" 6-inch tinned steel blade, enameled handle........... 10c.

EUREKA HAND WEEDER (Fig. 13.)
A Very Handy and Useful Little Instrument.
Short handle........... 25c. Long handle........... 35c.

THERMOMETERS (Fig. 15.)
8-inch tin, japanned, No. 20.............. $0.15
8-inch, distance reading, No. 6............. 35
8-inch, cabinet, No. 201 H............. 50
12-inch, tin case, best quality, No. 31........... 60
Porcelain scale, red, No. 251, 8-inch........... 1.00
Porcelain scale, 10-inch, red, No. 251........... 1.25
12-inch, tobacco curing, No. 2............. 35
Best asparagus (size), No. 60, 8-inch........... 40
Mushroom bed, good grade........... 1.00
Mushroom bed, best........... 1.25
Dairy or bottled glass float........... 25
Glass floating, large........... 50
1-inch standard flange, stands boiling water........... 50
Milk Hydrometer, No. 208........... 1.00
Milk Hydrometer, No. 205 (Quevenne)........... 0.75
Incubator, upright........... 1.00
Incubator, reeler........... 1.50
Brooder, No. 1207........... 0.50

GRASS HOOKS.
American, plain........... 25c.
Best, Blue Ribbon........... 40c.
German—No. 0........... 20c.
German—No. 1........... 25c.
German—No. 2........... 35c.
German—No. 3........... 40c.
Best English Grass—No. 1........... 25c.
Best English Grass—No. 2........... 35c.
Best English Grass—No. 3........... 50c.
Best English Hedge or Grass Hooks—No. 4........... 90c.
Best English Hedge or Grass Hooks—No. 5, riveted back........... 75c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
WATER'S TREE PRUNERS.

"RED CLIPPER" TREE PRUNER.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 feet long</td>
<td>$ .75</td>
</tr>
<tr>
<td>6 feet long</td>
<td>$ .90</td>
</tr>
<tr>
<td>8 feet long</td>
<td>$ 1.00</td>
</tr>
<tr>
<td>10 feet long</td>
<td>$ 1.10</td>
</tr>
<tr>
<td>12 feet long</td>
<td>$ 1.25</td>
</tr>
</tbody>
</table>

Extra knives, 20 cents.

BORDER SHEARS.—Fig. 18.

Price, without wheel, No. 104... $2.25
Price, with wheel, No. 105... 2.50

HORSE SHEARS.—Fig. 19.

Bent Handle, No. 106... $ .50
Curved Handle, No. 106... 2.00
By mail, add 15c.

HORSE SCISSORS.

No. 112, extra fine... $1.25
By mail, add 15c.

PRUNING SAWs.—Fig. 20.

15-inch double... $ .60
15-inch double... 7.30
20-inch double... 8.85
Saw and chisel, combined... 1.10

PRUNING SHEARS.—Fig. 21.

No. 1, Coll Spring, Mal Handle, Steel blade... $ .30
No. 1, Flat Spring, Steel blade... 1.10
No. 13, Solid Steel, 45 polish, 8 inch... 1.30
No. 465, Solid Steel, 5 inch... 1.75
No. 469, Solid Steel, full polish, 9 inch... 2.25
No. 2, French Pruning, 8 inch... 1.25
No. 370, Ladies' nickel plate, 6 inch... 1.85
If wanted by mail, add 15c.

PRUNING KNIVES.—Fig. 22.

Iron Handle, No. 126, 50c.; No. 217, Cocoa Handle, 65c.

BUDDING KNIVES.

Prices—No. 12... $1.00
No. 19... 1.25

TELEGRAPH TREE PRUNERS.

Price without pole $1.00. Extra blades 20c.

LAWN SHEARS.—Fig. 23.

No. 106, 2 wheels, 8 in. blade, for cutting narrow borders, under fences and shrubs, $2.75.

GRASS SHEARS.—Fig. 24.

Bent Handle, No. 250, 35c.; Trowel Handle, No. 409, 50c. Mail, add each 15c.

HORSE OR DOG CLIPPERS.—Fig. 25.

Very handy about horses; also for clipping dogs.

Horse, No. 173, $1.00; Horse, No. 159, Ball-bearing, $1.75; Horse, No. 71, Pet Lock, Nickel Plate, $1.00; Toilet or Pet Lock, Nickel Plate, 90c.

HEDGE SHEARS.—Fig. 26.

8 in. No. 100, $1.25. 9 in., No. 100, $1.50. 10 in., No. 100, $1.75. 12 in., No. 100, $2.25. 18 in. with notch, No. 101, $1.50. 20 in., with notch, No. 103, $1.75. 24 in., with notch, No. 104, $2.00. 30 in., with notch, No. 105, $2.50.

LOPPING SHEARS.—Fig. 27.

No. 5 American, or Tip Top, $1.00; No. 4 American, or Tip Top, $1.25; No. 1 Baltimore Draw cut, $2.50; No. 2 Baltimore Draw, $3.00.

ASPARAGUS KNIFE.—Fig. 28.

Made of solid steel, 30c. By mail, 40c.

SCYTHER STONES.—Fig. 29.

No. 1—Willoughby Creek, 10c. each, $1.00 per doz.
No. 2—White Mountain, 10c. each, $1.00 per doz.
No. 3—Green Mountain, 10c. each, $1.00 per doz.
No. 4—Indian Pond, No. 2 (red end), 5c. each, 56c. per doz.
No. 5—Mowing Machine (beveled) 20c. each, 60c. per doz.
No. 6—Darby Creek 30c. each, 60c. per doz.
Cigar Emery 60c. each, 60c. per doz.
No. 7—Imported English Talare 20c. each, 60c. each.
None genuine unless labeled Sir Pryers.

Mostyn, Talare Quarries.

WIRE PLIERS.

Fence Wire Cutters, 6 in. 40c.; 8 in. 50c.; 10 in. 60c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
BRASS GARDEN STRINGES.

No. A—Barrel 12 in. long, 1 spray and 1 stream rose. $2.25
No. 12—Barrel 13 in. long, 1 spray and 1 stream rose. $2.75
No. 2—Two spray roses and jet, 141/2 or 15 inches, each rose. $2.45
No. 10—Barrel 18 in. long, 1 coarse and 1 fine spray and 1 stream rose with patent valves and elbow joint. $4.00

MASTICA GLAZING MACHINE.

Price. $1.50.
Mastic—For glazing greenhouses, sunrooms, new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold. "Mastic," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance and preventing the evaporation of the liquids, and results in a soft, pliable and elastic condition for years. "Mastic" is of great value in giving old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the space of replacing the old one. Half gallon. $.70
Gallon. 1.35

IRONCLAD WATERING POTS.

With Adjustable Nozzles.
4-quart. 50c. 10-quart. 75c.
8-quart. 60c. 12-quart. 90c.
20-quart. 1.15.

TWEMLOWS OLD ENGLISH GLAZING PUTTY.

Semi-Liquid.
16-pound can (1 gallon capacity). $1.50.
50-pound case, 6.00.

For bedding glass in sash and filling cracks or seams in roof joints or frames of green houses or hothouses.

BURLAP HOT-BED MATS.

Made of strong burlap, interlined with wool. Price, 4x75 each. 75c. 6x75 each. 85c.
Special Price in Dozen Lots.

GRAFTING WAX.

1/2 lb. 10c. 1/4 lb. 20c. 1 lb. 35c.

SPHAGNUM MOSS.

For packing growing Orchids, Plants, etc., per bale. $2.50

STABLE BROOMS.

For Stables, Lawns and Walks.
12-inch Rattan. 45c. 16-inch Rattan. 50c.
18-inch Rattan. 60c.

KAYTIA.

The best material for tying plants, vines, etc. Per pound. 20c. 10 pounds, $1.50.

GALVANIZED HARD STEEL PLANT STAKES.

These are a great improvement over the wooden stakes for carnations and rose beds; they are durable, neat and strong.
Length. Per 100. Per 1000.
2 feet. $0.70 $7.75
3 feet. .90 7.75
4 feet. 1.20 10.00
5 feet. 1.75 15.00

PAINTED TREE LABELS.

3/4 inch. per 1000. $.05 $0.55
3/4 inch. iron wired. 1.00 per 1000
3/4 inch. copper wired. 1.25 per 1000

UNGLAZED HOT-BED SASH. Price. 85c.

PEERLESS GLAZING POINTS.

(Im-Van Keypers.)
The finest glazing points on the market. The glass cannot slip; they are quickly and easily put in with special pliers: no "rights" or "lefts" to bother with.
Per box of 1000, 50c. Per box of 2500, 45c.
By mail, 40c.

MARLING.

Furnished in 1, 5, 10, 15 and 20 pound bales.
5lb. Bales. 12c. per pound. 1-lb. Bales. 15c. per pound.

HEAVY OR DAHLIA STAKES.

Each. Per Doz. Per 100.
3 feet. 7c. 80c. 8.80
6 " 12c. 11c.
6 " 15c. 25c.

LIGHT PLANT STAKES.

Each. Per Doz. Per 100.
3 feet. 3c. 40c. 4.40
6 " 5c. 60c. 6.00
6 " 7c. 75c. 7.50

SILKALINE, Speed. 25c.

"ORIOLE."
MODEL INCUBATORS AND BROODERS

Manufactured by Charles A. Cyphers

In one short season the Model Incubator won first rank among practical poultrymen—men who are in the business for a livelihood, not only at home, but in foreign countries. That this should have been done in so short a time proves conclusively the superior merit of the Model Incubator. In the design and construction of the Model Incubator Mr. Cyphers drew from the experience gained by him in the past seven years, during which time he manufactured many thousands of machines, which have gone into many countries and been operated under every climatic condition. While we have not the space here to describe in detail the construction of the Model Incubator, we will state that in its construction the best ideas only are employed, and while Model Incubators may be a little higher in price than some other makes, still the purchaser can rest assured that when he buys the Model Incubator he gets good value for his money, and results obtained with the Model will soon convince the user that in Incubators, more than in any other machine, the best is the cheapest. Two features which stand out prominently are the Improved Smokeproof Heater and the Regulator. The new Thermastat is designed with a view to the largest movement compatible with uniformity, and it excels anything of the kind ever before offered the public. Any one interested in the purchase of an Incubator will do well to write to us for special catalogue, describing in detail the construction of the Model Machines. It is mailed free on application and will prove interesting to any poultryman.

PRICES.

<table>
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<th>Model</th>
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</table>

"MODEL COLONY" BROODER.

An entirely new creation which won the most general approval ever given a brooder. The points of superiority that were particularly commended were its accessibility for cleaning without removing the trays, the total absence of hot spots and draughty places in the nursery, and the light and cheerful wholesomeness of both the nursery and exercising compartments. The most satisfactory feature was the report from customers that they had successfully reared practically all the chicks placed in it. Every precaution has been taken to make this Brooder substantial and durable. The roof is covered with tin. It is well painted and presents an attractive appearance. Size 3x6 feet. Price $12.00

"THE MODEL" INDOOR BROODER.

Made both single and double. The latter designed to take the place of sectional brooders and are very much more successful. The conditions both in the brooder and in the nursery are perfectly normal, and the chicks thrive and grow.

PRICE.

<table>
<thead>
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<tr>
<td>Double</td>
<td>$10.50</td>
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</table>

Write for Special Catalogue.

PRAIRIE STATE INCUBATORS FOR 1907.

In our 1907 Prairie State Diffusion Incubator, we offer the latest proved truths that make our machine more effective than ever.

POINTS OF SUPERIORITY.

A perfect diffusion incubator without diaphragms, burlap or screens.

Absolutely fire-proof and guaranteed to that effect.

An equal distribution of heat in all parts of the egg-chamber.

The relative humidity of the air in the machine approaches near to that found under a hen, thus copying nature so successfully as to secure equal results in hatching.

Economical in operation, simple in construction and certain in results.

Furnished complete at the price quoted, with full directions.

So perfect in construction that the heat is regulated automatically to the fraction of a degree.

One style of tray for all eggs, the same machine hatches chicks, ducks, geese or turkeys.

Each Incubator has double walls and is carefully packed, thus securing and maintaining the desired heat under the greatest variation of temperature and at a minimum cost. The regulator is our own patent, and so sensitive that the heat in the machine is controlled automatically even to the fraction of a degree.

The prices quoted are based on the cost of production, under most advantageous circumstances, and therefore, full value is given to each purchaser.

PRICES:

<table>
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<tr>
<td>2 Diffusion</td>
<td>$29.00</td>
</tr>
<tr>
<td>3 Diffusion</td>
<td>$32.00</td>
</tr>
</tbody>
</table>

Including all attachments, including egg tester, thermometer, lamp, tray for eggs and regulator. Guaranteed to be free from mechanical defect and to hatch in the most approved manner.

Complete Prairie State Catalogue Free on Request.

No. 1 Prairie State Diffusion Incubator—Capacity 150 Eggs.

Hagerstown, Md., April 2, 1906.

Prairie State Incubator Co.

Homer City, Pa.

Gentlemen—About one month ago I bought from you a Junior Incubator. We set 60 eggs, tested out 8 eggs, hatched 42 chicks, which I think large Standard Incubators; please quote me prices and send book of information. Yours,

EUGENE STODDARD,

Breeder and Trainer of Imported Homing Pigeons.
A 8 the name of this hover implies, it has a
large or universal sphere of usefulness.

In fact, there is practically no limit to
its adaptability. It may be used or attached to
any form of outdoor brooder that is two feet or
more in height; to any size or form of colony
house, mushroom house, small portable building,
dry-goods box, shed, coop or organ or piano box.

Where regular colony houses are used
the Universal Hover can be attached to one until
the chicks have been given a good start and
then removed to another for a new brood. In
this way it can be utilized to accomplish the
work of four or five expensive combination
colony brooders. It has proven to be thoroughly
practical in actual service, giving perfect satisfac-
tion during coldest weather of winter, changeable
conditions of spring and the heat of summer.

Economy is one of its special features, aside
from its wide range of adaptability, as will be
seen from the fact that only a small No. 2 Sun
Hinge Burner is required to furnish all the heat
necessary in the coldest weather. In presenting
this hover to the poultry raiser we are confident
that it will give him more real genuine satisfac-
tion than any device ever put out. It fills
that want felt by everyone who raises poultry,
for something they can use for this purpose
anywhere, any time, and do the work well.

No. 1 COLONY BROODER

Universal Hover, Lamp Box Removed.

Price of UNIVERSAL HOVER (weight, crated, 40 lbs.)—

Complete with UNIVERSAL HOVER—Lamp, Lamp Box and Smoke Pipes, with

out Regulator ........................................ $6.00

Without Lamp Box and Exit Pipe, with Regulator.. 9.00

Without Lamp Box and Exit Pipe, without Regulator. 5.00

The ordinary outdoor brooder will
do fairly good work in mild, nice,
bright weather, but in the cold, snowy
or raw, wet days of early spring,
when it is impossible to let the chicks
out for weeks at a time, they are
bound to die from the close confine-
ment and lack of exercise. In the old
style brooders there is not sufficient
floor or air space to meet the pended-
up indoors, and the result is heavy
loss of lives.

The Prairie State Colony
Brooder was designed to
overcome this serious fault
and do it successfully.

Description.

This brooder house is
constructed of tongued and
grooved chestnut boards, 1
inch thick. The brooder is
3 feet wide, 6 feet long and
3 feet high in front and 2
feet in rear. The interior
is divided by a movable
partition into two com-
partments.

COLONY BROODER

No. 2.

DESCRIPTION.—The sides and
door of this outdoor brooder are made
of tongued and grooved chestnut or
poplar boards one inch in thickness.
The roof of one-half inch boards, with
dead air space, and heavy straw
insulation, all of which is covered with
best quality of roofing tin, carefully
fastened with nails and covered with
several coats of best grade anti-rust
paint. The whole roof being hinged,
may be easily removed to reach the in-
terior.

PRICES.

Colony Brooder No. 1, 6 feet by
3 feet .................................................. $16.00

Colony Brooder No. 2, 5 feet by
3 feet .................................................. 12.00

Colony Brooder No. 3, 4 feet by
27 inches ............................................ 9.00

No. 4 Indoors ........................................ 7.00

wire enclosure .......................................

Same with wire enclosure 7.50

No. 5 Indoor Brooder 8.50

Same with Regulator 9.50

INDOOR BROODER No. 5

The Prairie State Indoor Brooder
No. 5 is the most convenient brooder
ever constructed, being easy to clean
and operate. Every part is instantly
accessible and removable. The floor
of this brooder is three feet square,
of tongued and grooved flooring, is
perfectly smooth and stands 8 inches
from the ground. The space under-
neath is enclosed, except at one side
appears an opening for the lamp. An
adjusted screen insures the lamp be-
ing placed in correct position.

The removable upper case used on
this brooder overcomes the most seri-
ous objection to indoor brooders, as
with it, it is possible to suit any plan
of building, as the chick exit door
and the lamp door can be fixed to suit
any arrangement of doors or win-
dows, or the convenience of the op-
erator.

Price, $8.50.

With Regulator, $9.50.
CORNIO CHICK FEED

“THE FEED THAT IS ALL FEED.”

ALL GRAIN AND NO GRIT.

This feed is absolutely pure and undiluted, containing no offal or injurious ingredients, and is grown entirely from ground straw or coals, etc. It will not hurt or scour chicks. 1 lb. 10c; 5 lbs., 25c; 100 lb. sack, $2.50.

MASH FEED TO MAKE HENS LAY

This is a complete mash, containing ground ground, alfalfa meal, meat meal and everything necessary for producing a large egg yield. Mix with hot water and it is ready to feed. 5 lbs., 25c; 25 lbs., 75c; 100-lb. sacks, $2.00.

FATTENING FEED

This feed puts the finishing touches on chickens before sending them to market. It does it in the shortest possible time. We have given special study to grading this feed into the proper form to give the best results. So confident are we of the value of this feed for fattening purposes that we urge a trial. Convince yourself. 5 lbs., 25c; per 100 lb. sack, $2.50.

ALFALFA MEAL

This is a green feed the year round. Everyone knows that alfalfa is fast supplanting clover. It is very high in protein, and furnishes to chicks a growing food which at the same time has a medicinal value. Its value as a helpful egg food is unquestioned. 50 lbs., $1.25; per 100 lb. sack, $2.00.

PIGEON FEED

This feed is made to meet the universal demand from fanciers for something especially suitable for pigeons. The mixture contains a great variety of grain and seeds properly balanced under the direction of a specialist who has had years of study and experience with pigeons. 1 lb., 10c; 5 lbs., 25c; per 100-lb. sack, $2.50.

CHICKEN MANNA, OR HEALTH FOOD

(For Little Chicks.)

This preparation is specially prepared for little chicks when first hatched. This should be the first and only food and continue for 10 or 12 days before feeding anything else for chickens for feeding on each package. 1 lb., 10c by mail, 25c; 5 lb. package, 40c; 10 lb. package, $1.10; 60 lb. box, bulk, $4.20.

LEE’S EGG MAKER.—2½ lb. package, 25c; 25 lb. pail, $2.00.

REST’S EGG PRODUCER.—This has given our customers universal satisfaction. It supplies those substances which produce egg growth and development. So moderate in price, it should be on every grower. 1 lb. package, 25c; 2½ lb. package, 50c; 6 lb. box, $1.00.

If to be sent by mail, add 10c per lb. to pay postage.

PRATT’S POULTRY FOOD will make hens lay all the year, and is excellent for feeding young chicks. For large fowls mix one ounce with the food for 12 or 24. For young chicks give one-half ounce every other day. 1/2 lb. pkg., 25c; 5 lb. pkg., 60c; 12 lb. bulk, $1.25; 25 lb. bulk, $2.50.

PRATT’S FOOD FOR HORSES, 7 lbs., 50c; 12½ lbs., 75c; 25 lbs., $1.50.

PRATT’S LICE KILLER, Price 25c per package.

CANARY, PIGEON, AND PARROT FOOD.

Canada Field Peas, peck, 50c; bushel, $1.00. Buckwheat, qt., 10c; peck, 40c. Hemp Seed, 1 lb., 35c. Canary Seed, 16 lb. Bird Rake, 8 lb.

GALVANIZED IRON GRIT AND SHELL BOXES

Prices:
Small size, 3 compartments, 50c each.

CORNIO HEN FEED

The Balanced Ration for Laying Hens

ALL GRAIN AND NO GRIT.

This feed is formulated from pure, sweet grains. Only those grains are used that are of known value for producing eggs. This is the feed for the poultryman who feeds for profit. 5 lbs., 25c; 25 lbs., 75c; 100-lb. sacks, $2.00.

CRACKED BONE FOR POULTRY

This article is manufactured from fresh, clean bones, and is perfectly pure and injurious. No chemicals whatever are applied to them in the course of manufacture. Should be fed to the poultry daily, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities. Especially valuable for young stock. Each 50 lbs. will carry two sizes, No. 1 for growing fowls and No. 2 for young chicks. 5 lbs., 25c; 10 lbs., 40c; 50 lbs., $1.50; 100 lb. sack, $2.50.

BONE MEAL FOR POULTRY

For mixing once a day with soft feed this is unsurpassed. Laying hens and young chickens, whose digestive powers are not strong, are much benefited by this, especially during winter months, or where closely confined in yards. This is expected to do exactly as the Cracked Bone described above, only it is ground much finer. 5 lbs., 25c; 10 lbs., 40c; 50 lbs., $1.50; 100 lb. sack, $2.50.

CRUSHED OYSTER SHELLS

This is a most important article for the poultry yard, and should be liberally supplied at all seasons of the year. It aids digestion as well as supplying lime. Experiments have proved that feeding supplied with oyster shells lay more eggs. We carry two sizes in stock, No. 2 for grown fowls and No. 3 for young chicks. 5 lbs., 10c; 100 lbs. $1.75; 500 lbs., $8.25. Special prices in larger quantities.

GROUND BEEF SCRAP

Our Ground Beef Scrap is especially prepared from pure beef trimmings and is always uniform. Good meat is very important. The little scrap contains just the wholesome parts to be obtained. 5 lbs., 25c; 10 lbs., 40c; 50 lbs., $1.75; 100 lb. sack, $3.00.

MEAT MEAL.—This is a true egg-producing, flesh and bone-forming food, and appeals to poultrymen, hens and growing chicks require. It is not a medicine. It is fed with other foods. Will promote health, growth and vigor. It is the same meal as used in the Cracked Bone, ground finer, and is more suitable for small chicks and mixing with mash. 5 lbs., 25c; 10 lbs., 40c; 50 lbs., $1.75; 100 lb. sack, $3.00.

GRANULATED CHARCOAL. — A little ground charcoal, mixed with the soft feed in the morning, once or twice a week, is an excellent corrective for the fowls, and keeps them healthy. We carry three sizes, one for grown fowls, one for small chicks, and pulverized. 1 lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lb. sack, $1.50; 100 lb. sack, $2.50.

MICA CRYSTAL Grit (Poultry, Pigeon and Chick Sizes).—Grit is an essential for poultry as feed, as without it they cannot digest the food. Few localities furnish enough sharp grit to satisfy them, and if they have been reared on the land for several years all the grit that has been consumed. Poultry will starve to death with full crops for no other reason than they have no grit with which to grind the food into proper consistency. Grit should be mixed with the food and fed in hoppers or boxes, about one part grit to fifteen or twenty parts of food. 5 lbs., 10c; 100 lb. sacks, 50c.

We can supply subject to market prices, the following grains:

CRACKED WHITE CORN, 100 lb. bags.

CRACKED YELLOW CORN, 100 lb. bags.

WHEAT.

BUCK WHEAT.

Hulled OATS, 100 lb. bags.

STEEL-CUT OATS, 100 lb. bags.
Wilson's Crown Green Bone Mill.

This mill is especially made for grinding Graham Flour or Corn, without table use. It can also be adjusted for cracking the grain, if desired. Weight, 30 lbs.

List price, $6.00. Special retail price, $4.00. List price with Iron Stand, $7.00. Special retail price, $6.00. Weight, 65 lbs.; diameter of hand wheel, 20 inches.

Wilson’s Bone and Shell Mill.

No. 1—Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used.

Will also grind corn.

Wgt. without stand, 24 lbs....$4.00

Weight, with stand, 64 lbs...6.00

THE DANDY GREEN BONE CUTTER.

This is one of the simplest and best cutters made. Has automatic feed. The knives are made from the best tool steel and finely tempered. There is one plain and two corrugated knives. Can be changed to cut fine or coarse.

The No. 0 DANDY

Suitable for a Flock of 60 to 75 Chickens.

No. 0, with long handle, weight 35 lbs...65.00

No. 0, with balance wheel, weight 65 lbs...87.00

No. 0, with heavy balance wheel and disc, with three hardened steel knives, Capacity from 150 to 200 chickens, weight about 190 lbs., hand or power, $10.00

No. 0 Dandy, with Balance Wheel.

GEARED DANDY CUTTERS.

The geared machines will cut faster, and having four knives will cut just as fine as the others.

No. 9—Weight 100 lbs. Capacity 100 to 150 fowls...$12.00

No. 11—Weight 120 lbs. Capacity 200 to 250 fowls...15.00

No. 12—With split nut, Weight 190 lbs. Capacity 200 to 250 fowls...17.00

No. 12—With split nut, Weight 190 lbs. Capacity 200 to 250 fowls...17.00

No. 13—With balance wheel for hand...20.00

No. 13—With balance wheel and pulley for hand or power...22.00

Weight of No. 13 machines, 180 lbs. Capacity by hand, 250 fowls; by power, 1,000 fowls.

Pulley for Nos. 11, 12 and 13, extra...1.50

Large Balance Wheel, Nos. 11, 12 and 13...1.50

MANN’S BONE CUTTERS

1902 MODEL.

The feed is both automatic and self-governing. Cuts all gristle and meat. Nothing escapes uncut.

No. 5 C—This machine is exactly the same as the No. 5 B, with a crank handle instead of a balance wheel. Capacity not quite equal to 2 B. Weight 33 lbs. $6.00.

No. 5 B—This machine is exactly the same as the No. 5 B M, except that it has not the iron stand. The capacity is the same. Weight 60 lbs. $8.00.

No. 5 B M—Intended for flocks of 15 to 25 hens. Mounted on iron stand. Cylinder 6 inches diameter, 4 inches deep. Cutter plate has 4 knives instead of 3. $10.40.

No. 7—Intended for flocks of 40 to 100 hens. Mounted on strong iron stand with large table for box or pan to receive cut bone. Weight 107 lbs. Cylinder 7½ in. in diameter, 5¼ in. deep. Capacity 2½ to 1 lb. per minute. $12.00.

No. 11—Intended for large flocks of over 100 fowls. Capacity 2½ lbs. per hour. Horse-power required, 1 to ½. Weight 215 lbs. Capacity, 300 to 350 revolutions per minute. Capacity, 100 lbs. and upward per hour. $26.00.

Humphrey Green Bone and Vegetable Cutter

The knives of the Humphrey Cutter act upon the shearing principle, producing a granulated cutting, without question the best form in which to feed green bone.

Capacity.—The capacity of a bone cutter depends upon the strength and energy of the operator and the nature of the material to be cut. The No. 1 Humphrey is suitable for cutting all the animal food for flocks up to 500 fowls. No. 2 does not appear much larger than No. 1, but is made from a heavier set of patterns and is supplied with a pulley wheel to run by power. No. 2½ is the same machine. No. 2, with the addition of a hand wheel, making it both a hand and power machine.

Price

BLACK HAWK

FEED MILL.

$3.

Extra Grinders...40c.

Pair...

GRINDS CORN, WHEAT, RYE, RICE, SPICES, ETC.

MAKES BEST GRAHAM FLOUR and BREAD for table use.

Easily set to grind as fine or as coarse as desired.

Just the thing for cracking corn, etc., for POULTRY.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Old Dominion Hand Corn Sheller.

With Separator.

Weight, 20 pounds. Regulating thumb screw, enabling the sheller to be set for either large or small corn. It shells clean and without effort. Good work may also be done on Pop Corn. There are no moving parts, the eight pieces are all replaceable. Clamps for fastening to be used with both and wrenched furnished with each sheller. Price.......... $2.00

DAVIS FOOD AND WATER FOUNTAIN.

The only fountain on the market which can be satisfactorily used for either water or grain, grit, oyster shells, etc.

The only fountain which is adapted to hold any ordinary glass bottle or can as a water retainer. It is hung up and cannot be tipped over or filled with dirt, as do fountains arranged to be set on the floor, and chicks can't get drowned in it.

Can be emptied and refilled in an instant without removing bottle or can from the holder. Merely invert and slip mouth of bottle or can to one side, fill, replace, and turn fountain to upright position again.

Price 25¢. We do not furnish the bottle.

UNION LOCK POULTRY FENCE.

For cut and description, see Fence pages.

<table>
<thead>
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<th>List Price</th>
<th>Retail Price</th>
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<th>Per Roll. Running Foot</th>
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<td>$4.00</td>
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<td>10 Rod Rolls, 165 ft. 60 in. wide</td>
<td>$5.40</td>
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<td>18¢. per run'g ft.</td>
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<tr>
<td>10 Rod Rolls, 165 ft. 72 in. wide</td>
<td>$5.80</td>
<td>$3.05</td>
<td>19¢. per run'g ft.</td>
</tr>
<tr>
<td>10 Rod Rolls, 165 ft. 84 in. wide</td>
<td>$6.00</td>
<td>$3.15</td>
<td>20¢. per run'g ft.</td>
</tr>
</tbody>
</table>

DIAMOND MESH POULTRY NETTING.

The wire we offer is 21 Nos. 19 and 29 double twist, 2-inch mesh, thoroughly galvanized. Sold in bales of 150 running feet.

<table>
<thead>
<tr>
<th>In.</th>
<th>List price</th>
<th>Retail price</th>
<th>In.</th>
<th>List price</th>
<th>Retail price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>$1.75</td>
<td>$0.90</td>
<td>19</td>
<td>$1.00</td>
<td>$0.50</td>
</tr>
<tr>
<td>18</td>
<td>$2.00</td>
<td>$1.05</td>
<td>24</td>
<td>$2.50</td>
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<td>30</td>
<td>$3.50</td>
<td>$1.75</td>
<td>36</td>
<td>$4.25</td>
<td>$2.00</td>
</tr>
<tr>
<td>36</td>
<td>$4.75</td>
<td>$2.30</td>
<td>42</td>
<td>$5.25</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

DIAMOND MESH POULTRY NETTING.

The wire we offer is all Nos. 19 and 29 double twist, 2-inch mesh, thoroughly galvanized. Sold in bales of 150 running feet.

<table>
<thead>
<tr>
<th>In.</th>
<th>List price</th>
<th>Retail price</th>
<th>In.</th>
<th>List price</th>
<th>Retail price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>$1.75</td>
<td>$0.90</td>
<td>19</td>
<td>$1.00</td>
<td>$0.50</td>
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<tr>
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<td>$2.00</td>
<td>$1.05</td>
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<td>$2.50</td>
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<tr>
<td>24</td>
<td>$2.75</td>
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<td>30</td>
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<tr>
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<td>$3.50</td>
<td>$1.75</td>
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<td>$2.00</td>
</tr>
<tr>
<td>36</td>
<td>$4.75</td>
<td>$2.30</td>
<td>42</td>
<td>$5.25</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

M. M. S. POULTRY FENCING.

For cut and description, see Fence pages.

<table>
<thead>
<tr>
<th>List Price</th>
<th>Retail Price</th>
<th>Retail per roll, per roll. where cut.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Rod Rolls, 165 ft. 24 in. wide</td>
<td>$4.00</td>
<td>$2.10</td>
</tr>
<tr>
<td>10 Rod Rolls, 165 ft. 36 in. wide</td>
<td>$4.40</td>
<td>$2.45</td>
</tr>
<tr>
<td>10 Rod Rolls, 165 ft. 48 in. wide</td>
<td>$5.00</td>
<td>$2.65</td>
</tr>
<tr>
<td>10 Rod Rolls, 165 ft. 60 in. wide</td>
<td>$5.40</td>
<td>$2.85</td>
</tr>
</tbody>
</table>

WIRE HEN NESTS.

25c. each; $1.50 per doz.

EGG TESTER.

Price 35¢.

LICE KILLER AND NEST EGG.

Combined in One.

Lasting, effective. Not expensive.

Does not affect the flavor of the egg nor injure it for hatching.

60¢. dozen.

PORCELAIN NEST EGGS.

The best and cleanest nest egg used. Each, 5¢.

Dozen, 25¢. By mail, 50c.

CAPONIZING TOOLS.

You can do your own caponizing easily. Book with full instructions sent free with each set of instruments. Price, in leather case, with instructions, $2.75.

METZ'S GAPE WORM EXTRACTOR.

The latest improved method of extracting the Gape Worm. Humane and sure. Directions accompany each instrument, 25¢.

MANN'S SWINGING FEED TRAY.

For marking young and old chickens. Made in two sizes for large or small chicks. Sent by mail on receipt of price, 25¢.

POULTRY MARKERS.

For marking young and old chickens. Made in two sizes for large or small chicks. Sent by mail on receipt of price, 25¢.
**STEEL ALLOY CHURCH AND SCHOOL BELLS**

These Bells are cast from an alloy of cast steel and crystal metal, and can be relied on under all circumstances and in all seasons.

- **Weight (MOUNTED)**
  - List Retail
  - No. 22, Bell Only, Weight, complete...
  - No. 24, 2-2 lb., All-Bell...
  - No. 25, 3 lb., Complete Bell...
- **Tolling hammer not furnished with No. 22. When furnished with No. 24, List, $5.00; Retail, $4.00. Prices on above named are for COMPLETE BELLS, and include wood sills and iron wheel.**

### THE UNIVERSAL FOOD CHOPPER

Chops all kinds of meat, raw or cooked, and all kinds of fruits and vegetables—in fact, everything that is ordinarily chopped in a chopping bowl into clean-cut, uniform pieces, fine or coarse, as wanted, without squeezing or mashing, and with great rapidity.

- **No. 9, Small Family, three cutters**...
- **UNIVERSAL MEAT CHOPPERS**
  - No. 331...
  - No. 333...
  - No. 354...

### UNIVERSAL STEEL LARD and FRUIT PRESS and SAUSAGE STUFFER

Strong, Unbreakable.

The top can be swung around, permitting the machine to be filled where it stands, and also that the bowl can be handled without being filled, empty, or cleaned.

- **No. 44, four quarts**...
- **No. 38, eight quarts**...

### Galvanized Steel Baskets.

- **CORN BARRELS.**
  - Without handles...$4.50
  - With handles...$5.00

### Crystal Metal Farm Bells.

- **Weight**
  - Complete, of Bell.
  - No. 1,... 40 lbs., 15
  - No. 2,... 50 lbs., 17
  - No. 3,... 65 lbs., 19
  - No. 4,... 100 lbs., 21
- **Prices, including hangings complete.**
  - List Price Retail Price
  - No. 1,... $1.80 $1.80 Bronzed.
  - No. 2,... $2.25 $2.25 Bronzed.
  - No. 3,... $3.75 $3.75.
  - No. 4,... $5.00 $5.00.

**THESE BELLS ARE COVERED WITH A RICH GOLD BRONZE AND THE HANGINGS WITH GOOD VARNISH.**

### THE KEYSTONE FOOD CHOPPER

**CHOPS**

All Raw or Cooked Meats and All Kinds of Vegetables and Fruits.

It Does Not Mash or Squeeze Out the Juices, but Delivers Clean Cut Uniform Pieces.

- **No. 10, weight 3% lbs.** will chop 1 1/4 lbs. meat per minute. Price each...$1.25.
- **No. 20, weight 4 1/2 lbs.** will chop 2 lbs. meat per minute. Price each...$1.50.

### STEEL HOG SCALDER AND FEED COOKER.

- **Plain Scalder, with legs, 30x18-in x 6 ft., List, $12.00. Retail, $16.00. Fire-box, as shown, List, $13.00. Retail, $16.00. Rack (net), List, $12.00. Retail, $1.00.**
  - **Table can be built out of wood on the place.**
  - **Plain Scalder does very well if placed over a ditch and fire built underneath, but large dealers prefer Rack and Fire-box complete.**

### OAK BASKETS

- **1 Bushel with Rim, 80c. 1 1/4 Bushels, with Rim, 90c. 1 1/2 Bushels, with Rim, $1.00.**

### CEDAR AND OAK MEASURES

- **1/2 Peck, cedar, wire hoops, $0.35**
- **1/2 Peck, cedar, second quality flat hoops, $0.45**
- **1/2 Peck, cedar, combined, wire hoops, $0.50**
- **1/2 Peck, cedar, combined, second quality flat hoops, $0.55**
- **1/2 Peck, cedar, second quality flat hoops, $0.60**
- **1/2 Bushel, cedar, wire hoops, $0.65**
- **1/2 Bushel, cedar, second quality flat hoops, $0.70**
- **1/2 Bushel, oak, iron cross-bar, $1.00**

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
Baltimore Cedar Washer.

Price, $4.00

The Baltimore Washer is constructed of the best white cedar, very strong, nicely finished and is one of the largest round Washers on the market. Round electric-welded hoops of extra heavy galvanized wire, fitted in a groove around the machine, which prevents them from dropping off. The Baltimore is supplied with improved gearing, and all the castings are japanned. The inside is fully corrugated, similar to a washtub, having no nails or block of any kind. The bottom and sides are corrugated; in others the corrugation runs only the length of the staves, thus making crevices for dirt and allowing the steam to escape through the top and water to leak through the bottom. The bottom of the tub is larger than the top, allowing plenty of room for water and clothes. In this machine is placed a square galvanized iron rod fastened firmly to the dolly.

Instead of using a square wooden post to work the dolly (that is, the circular wooden revolving head that holds the clothes in position), in this machine is placed a square galvanized iron rod fastened firmly to the dolly. The whole arrangement can be lowered or raised by the operator without removing the tops, and it will also accommodate itself automatically to the quantity of clothes, rendering it impossible to tear the most delicate fabric, as this offers nothing to which the clothing can catch.

Oriole Cedar Washer.

The Oriole is precisely the same in construction as the Baltimore, described above, and white made of wood the Cedar is not selected with the same care.

While the Baltimore is finished in natural wood, the Oriole is painted. We recommend it as a first-class machine for the money.

The Maryland Washer.

To meet the demand for a low-priced Washer, we offer the Maryland, which is made of pine instead of cedar, but in all other respects is the same as Baltimore Cedar, shown above.

Our Special Price... $3.00

Griffith and Turner Improved Cedar Rotary Washer, No. 2.

Electric Welded Wire Hoops.

It is a fact unquestionably that white cedar is the only wood known that successfully resists the action of water, as witness, white cedar shingles and posts ofttimes last for a hundred years. Ninety per cent. of the wash tubs used are made of cedar because they are preferred. That being the case, why should not Cedar washing machines also?

This is the lightest-running and easiest-working washing machine made. Roller bearings; no friction. Works in both directions. Very simple; nothing to get out of order. The hoops are made of selected Virginia White Cedar, and are nicely corrugated on sides and bottom. The hoops are made of galvanized wire, and are welded by electricity. These are much stronger than the old-style flat hoops, and cannot drop off, being sunk in grooves.

Our Special Price... $6.00

Relief Wringer.

Iron Frame. The Frame is made entirely of wrought and malleable iron.

By the use of the thumb-nuts and spiral springs in this WRINGER the pressure can be adjusted quickly for either heavy or light work; therefore the rolls are never overstressed, and will wear much longer than the ordinary iron frame Wringer. With cog wheels. Five sizes. Packed four and six in a case.

No. 330—Small Family. Size of Rolls, 12x1¼ in. Price... $3.00 Rolls, each... $1.25

No. 332—Large Family. Size of Rolls, 12x1¾ in. Price... $3.50 Rolls, each... $1.50

Superior Wringer

We also carry a stock of the following well-known Iron Frame Wringers:

<table>
<thead>
<tr>
<th>Name</th>
<th>Size of Rolls</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superior, No. 219</td>
<td>10x1⅛ inch</td>
<td>$2.75</td>
</tr>
<tr>
<td>Superior, No. 212</td>
<td>12x1¼ inch</td>
<td>$2.95</td>
</tr>
<tr>
<td>Star, No. 10</td>
<td>10x1⅛ inch</td>
<td>2.80</td>
</tr>
</tbody>
</table>

Crescent—Same as Relief, but cheaper grade rolls.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>10</td>
<td>2.25</td>
</tr>
<tr>
<td>101</td>
<td>12</td>
<td>3.00</td>
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</table>

Extra Rolls—

<table>
<thead>
<tr>
<th></th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superior</td>
<td>10 inch</td>
<td>1.25</td>
</tr>
<tr>
<td>Superior</td>
<td>12 inch</td>
<td>1.50</td>
</tr>
<tr>
<td>Cheaper grade</td>
<td>10 inch</td>
<td>0.55</td>
</tr>
<tr>
<td>Cheaper grade</td>
<td>12 inch</td>
<td>1.00</td>
</tr>
</tbody>
</table>

All prices subject to change without notice.
THE DAIRY.
SHARPLES' CREAM SEPARATORS

SIT DOWN TUBULAR

The most convenient, practical and efficient small capacity separator ever built. Designed for the use of those having only one or two cows. Carefully made from selected materials and built exactly like the larger machines. It stands 29 inches high, can be operated at full speed and capacity by a child—runs very smoothly—skims to perfection, being as perfect in action as our larger machines.

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>500</td>
<td>$80.00</td>
</tr>
<tr>
<td>2</td>
<td>700</td>
<td>$52.00</td>
</tr>
<tr>
<td>3</td>
<td>1,000</td>
<td>$85.00</td>
</tr>
</tbody>
</table>

These three sizes are readily turned by one who is seated. They stand only 2 feet 9¼ inches high; the supply can is still lower.

Steam Turbine Tubular Dairy Separator

DRIVEN DIRECT FROM THE BOILER.
MADE IN THREE SIZES.

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>500</td>
<td>$80.00</td>
</tr>
<tr>
<td>7</td>
<td>700</td>
<td>$125</td>
</tr>
<tr>
<td>10</td>
<td>1,000</td>
<td>$150</td>
</tr>
</tbody>
</table>

Either size, with Little Giant Boiler, $85 extra.

SEPARATOR OIL.

Gallon Can, $0.75.
5-Gallon can, $2.50.

Just a jet of steam, not much larger than would go through a straw, drives it to full speed.

An Armload of Wood or a bucket of coal will furnish the needed fuel for the smaller machines for an hour's run. After being properly started no other attention is needed than the supplying of sufficient milk.

The whole container is self-contained with a wide-open mouth, not much more trouble to clean than a tin cup would be. In cleaning there is no danger of misplacing small complicated parts, for it has no such parts.

This machine stands 36 inches high—requires very little steam—is the most efficient power separator for dairy use.

SHARPLES' TUBULAR HAND SEPARATOR

Suspended Bowl, Bottom Feed, Low-down Supply Can, Easy Running, No Discs.

The bowl of the 655-lb. machine is only 2½ inches in diameter and weighs less than 7 lbs., including every revolving part, and requires even less power to run it at its full capacity than any 250-lb. per hour hand machine in existence.

All the objectionable features of discs, cones, cylinders and other devices introduced in the bowl to facilitate separation, together with their attendant expense and maintenance, and the great amount of time and work required to clean and keep in perfect working order are done away with in the tubular bowl, and by reason of its small size and light weight, the power necessary to run it to its fullest capacity is reduced to a minimum.

No Discs, please remember.

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>450 lbs. per hour</td>
<td>$85.00</td>
</tr>
<tr>
<td>6</td>
<td>650 lbs. per hour</td>
<td>$125</td>
</tr>
<tr>
<td>9</td>
<td>900 lbs. per hour</td>
<td>$175.00</td>
</tr>
</tbody>
</table>

Pulley Power Attachment, $2.50 Additional.

These three sizes stand only 3 ft. 6 in. high. The supply can is still lower.

SEPARATOR BOILER

Expressly for use with our Tubular Steam Turbine Separators, although any small boiler or feed cooker will answer the purpose, as they require no more steam than will go through a good-sized straw.

The first cost of a Steam Turbine machine and Little Giant Boiler is a little more than the first cost of a corresponding capacity hand separator. Taking into consideration the fact that the former can be conveniently operated for a longer time and larger dairy, and also that the boiler is worth its full cost for furnishing hot water and steam for the many uses about a farm, will commend the same to your careful consideration.

These boilers are carefully trimmed and provided with an injector.

Price, complete...........$50.00

THE SQUEEZER COMBINED CHURN AND BUTTER WORKER

The idea in this machine is to follow the old method of squeezing butter with a paddle in preference to anything between rolls, as the butter workers do at present.

One portion of the butter is taken up by a paddle and squeezed against side of churn and another portion by another paddle, and so on. At no point is the butter ground or allowed to stick, thus avoiding marbling.

Can be changed from churn to worker or the reverse by action of one lever, and can be done going at full speed.

WRITE FOR TESTIMONIALS ABOUT THESE SEPARATORS.
The "Doty" Ventilating and Aerating Cream Separator

For the benefit of persons who do not object to mixing water and milk for the purpose of facilitating the separation of cream, we offer the Doty Single-Compartment Separator.

The reversible cover and anti-whirlpool bottom, also the method of aerating the milk, are the same as found in the NORTH STAR. The only difference in the two lies in the single and double compartment feature.

1... 12 in. 25 in. 10 2 to 3
2... 14 in. 27 in. 15 3 to 4
3... 17 in. 27 in. 22 4 to 7
4... 19 in. 27 in. 29 7 to 10

PRICES:

No. 1. $5.00 Retail Price
2... 6.00
3... 7.00
4... 8.00

CHAMPION AUTOMATIC MILK COOLER-AERATOR

TO OPERATE—Set as low as possible where there is plenty of pure, fresh air, if wind blows, the better. It can be used in the strongest wind without a drop being blown away. Use very cold water. Use a cloth or metal strainer over the top of milk receiver.

Capacity of Milk Receiver. No. Size of Dairy. Takes List Retail
1... 10 quarts 10 milkers 2 $6.00 3.50
2... 15 quarts 10 to 25 cows 3.50
3... 31 quarts 25 to 50 cows 4.00
4... 52 quarts 50 to 100 cows 4.50

Extra sizes on special orders. Prices include double cheesecloth strainer and spring pins.

MILK PAIL

Made of Best Tin.

No. 1. 10 qts. $7.00 4.00
2... 12 qts. 10.00 5.50
3... 14 qts. 12.00 6.50
4... 16 qts. 14.00 7.50

Style B, No. 12—Capacity 12 gallons. Style A is most popular where only a few cows are milked. Style B where large milk capacity is needed.

Milk Pail

List price, Ret. pr.
Style A, No. 6—Capacity, milk part, 6 gallons. $7.00 4.00
Style A, No. 8—Capacity, milk part, 8 gallons. 11.00 6.00
Style B, No. 8—Capacity, 8 gallons. 12.00 6.00

The New Sanitary Cream Separator.

Inside of bottom aluminumized to prevent rusting.

1. Milk and water are not mixed.
2. You can draw pure, sweet, undiluted milk for household use any time without disturbing the cream. The skim-milk makes excellent feed for stock.
3. It is most convenient and labor-saving apparatus for the farmer and dairyman. Saves all lifting, skimming and handling of crocks and pans.
4. Milk vessel is easily and quickly removable without unscrewing the faucet.
5. The faucet is large and short in the neck and drilled out smooth on the inside. Will draw off cream and milk rapidly without clogging.

Rice’s Calf Weaners

Also Prevents Cows from Sucking Themselves.

No. 1, for Calves, retail price 30c., List price, per doz. $1.00.
No. 2, for Heifers, retail price 50c., List price, per doz. $1.50.
No. 3, for Cows, retail price 75c., List price, per doz. $2.50.

The "North Star" Ventilating and Aerating Double Compartment Cream Separator

In some localities people are averse to adding water to milk, and to meet this demand we are putting a two-compartment separator on the market.

Separation is effected by a circulation of cold water in an outer jacket. All the cream rises to the surface in an hour or two, and is drawn off sweet, suitable for table use or other purposes.

The milk strikes the disc below and spreads out in a thin sheet. The milk receptacle being plunged in cold water, when this sheet of warm milk strikes the sides and bottom, forces cold air upwards through the milk, escaping in sheets from aerator, thus driving out all animal heat or foul gases.

The underlying principle of the Calf Feeder is: The calf by sucking its milk takes it slowly and mixes the saliva of the mouth with the milk, which makes it sponga instead of a solid indigestible lump formed when the milk is gulped down from a bucket. This is the greatest cause of scours. We have both a single and double feeder. One calf can use the double feeder, as each part works independently of the other.
Silver Press.
Improved Cedar Cylinder Churns

There are a number of Cylinder Churns on the market sold at a lower price, but they are made of pine or other inferior wood, while these are all of selected cedar, free of knots. Retail List No. Price. Price.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 gallons</td>
<td>$1.50</td>
<td>$2.50</td>
</tr>
<tr>
<td>3 gallons</td>
<td>$2.00</td>
<td>$3.50</td>
</tr>
<tr>
<td>4 gallons</td>
<td>$3.00</td>
<td>$4.00</td>
</tr>
<tr>
<td>5 gallons</td>
<td>$4.00</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

Cooley Cabinet Creamer

All tanks are built refrigerator style, with paper between the sheet iron and the wood. In addition it has a compartment or chamber underneath the water tank, through which the milk after the cream is drawn. The transparent pane in front enables the operator to see the cream line. The churn is not broken up in withdrawing the milk, which avoids all commotion or whirlpool when the milk is running out. A perfect separation is made. The cans are easily removed from the tank when desirable or necessary. They are easily washed without removing. The water tank has inlet and overflow pipes for running water.

DAIRY CLASS

<table>
<thead>
<tr>
<th>No. Cans</th>
<th>Cows.</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>3</td>
<td>$2.00</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>4</td>
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<tr>
<td>2</td>
<td>3</td>
<td>5</td>
<td>$12.00</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>6</td>
<td>$16.00</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>7</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

FAMILY CLASS


<table>
<thead>
<tr>
<th>No. Cans</th>
<th>Cows.</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>3</td>
<td>$2.00</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>4</td>
<td>$8.00</td>
</tr>
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<td>5</td>
<td>$12.00</td>
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<tr>
<td>3</td>
<td>4</td>
<td>6</td>
<td>$16.00</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>7</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

Special Refrigerators in any size Cabinet Creamer, extra...$5.00

Partitions in Cabinet Creamers, extra...1.00
Faucet in outlet end instead of overflow...1.00
Overflow faucet in addition to overflow, extra...1.50
Stopper for closing openings when cans are removed, with nut and rubber packing...2.00

No. 4 and larger have two rows of cans and doors in each size, or in one row if so ordered. Prices of Creamers with tin-coated copper lining or copper cans given on application.

All sizes of Creamers have inlet and overflow pipes.

All sizes and styles of Creamers have thermometers in front side, which give the temperature without raising the cover. All thermometers are of purchaser's risk of breakage.

“IRON CLAD” MILK CANS.

The Baltimore Pattern is the standard “Iron Clad” Baltimore Pattern Milk Can. Smooth inside surface, without crevices or protruding rivet heads, which enables cans to be easily, quickly and thoroughly cleaned. “Iron Clad” Milk Cans are made of steel and heavily tinned by the hand-dipping process after they are formed.

THE BALTIMORE PATTERN.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-quart</td>
<td>$2.25</td>
</tr>
<tr>
<td>32-quart</td>
<td>$2.50</td>
</tr>
<tr>
<td>40-quart</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

Special Prices in Quantities.

We also carry a cheaper can, known as THE BALTIMORE CREAMERY CAN. They are well made, but not so heavily tinned as the Baltimore Pattern.

20-quart...$2.00

Our charge for marking names on can will be 25 cents each.

Iowa Creamery Can.

Special Prices in Quantities.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-quart</td>
<td>$2.10</td>
</tr>
<tr>
<td>32-quart</td>
<td>$2.50</td>
</tr>
<tr>
<td>40-quart</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

THE “AGOS.”

Cast-Iron Frame Hand Babcock Tester.

The “Agos” Tester uses the ordinary Babcock bottle, the “B & W” or the Oilsman set. With each tester furnished the following outfit: Full set of regular Babcock milk bottles, pipette, acme measure, acid sufficient for making 50 to 100 tests, and directions for manipulating.

They are made in two sizes as follows:

4 Bottles, 5 Bottles, 10 Bottles...

Davis Swing Churn.

EASY TO KEEP CLEAN.

The round ends of the Churn cause the cream as it strikes them to slide up and over, turning a complete somersault. The butter comes in beautiful granules in the most desirable form for washing in cold water or brine. Each Churn has a glass indicator in the cover. The lid is ventilated, and there is no slopping or dripping of cream. Easy to operate. Wt. No. Will churn. Capcy. Lbs. Price.

<table>
<thead>
<tr>
<th>No.</th>
<th>1 gal.</th>
<th>8 gals.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$7.00</td>
<td>$8.00</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>$7.00</td>
<td>$8.00</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>$7.00</td>
<td>$8.00</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>$7.00</td>
<td>$8.00</td>
<td></td>
</tr>
</tbody>
</table>

Additional for Pulley, 12x2, with attachments...$4.00

Additional for Turn and Loose Pulley, 12x2, with attachments...$5.50

Patented July 5, 1891.

It is made of thoroughly seasoned material. It is finished smooth inside as well as outside. The iron ring head is strong and not liable to break. The balls are fastened to the iron ring, where they need to be fastened.

We furnish pulleys for power. Prices extra, according to size desired. Directions for using in each Churn. Write for special discount for cash.
BRASS BARREL SPRAYS

Cylinder Valves, Valve Seats and Discharges, All Brass.

All working parts submerged in liquid, hence no priming is necessary. Patent Agitator, No complicated parts. Throws constant spray. No. 265, Fig. 702, complete with 5 feet of hose and Agitator and Vermorel Nozzle.

List price, $1.00. Retail price, $0.87.

No. 200, Fig. 780, complete with two leads of hose of 1½-inch three-ply, each 5 feet long, and two Vermorel Nozzles and Agitator.

List price, $1.12. Retail price, $0.88.

Bordeaux Nozzles instead of Vermorel furnished when wanted. Installed in barrel, $2 extra.

Paddle Agitator extra. List Price, $1.00, Retail Price, 75c.

For Whitewashing and Painting. Always Use Bordeaux Nozzle for This Work. One-and-One-Quarter-Inch Cylinder. Notice the Lever and Patent Agitator. Observe Their Advantages. Can be Used in Bucket or can be Attached to Top of Barrel.

Our Special price, $4.00.

No. 324A. Lever Bucket Spray Pump, with Agitator, complete with hose nozzle and eight-foot pipe extension. Factory list price, $6.50. Our Special Price, $4.35. If wanted for whitewashing or painting, so state in order, and Bordeaux Nozzle will be sent. Installed in barrel at $2.00 extra.

LITTLE GIANT BRASS SPRAY PUMP AND FIRE EXTINGUISHER, with Agitator

Fig. 635. This Spray Pump is constructed entirely of brass. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up.

PRICE LIST OF PUMP SHOWN.

No. 327 1/2, Fig. 635. Bucket Brass Spray Pump with Agitator, complete with hose and combination fine, coarse spray and solid stream nozzle. List price, $5.00. Retail price, $3.00.

No. 328, Fig. 635. Bucket Brass Spray Pump with Agitator, complete with hose and combination line, coarse spray and solid stream nozzle and an eight-foot pipe extension. List price, $5.50. Retail price, $3.35.

SPRAY PUMP EXTRAS. (Order by Figure.)

Fig. 48.—Bamboo Rods, lined with brass pipe, arranged with brass stop cock. $3.60

Fig. 515—Iron pipe, complete, with cock. $1.00. Iron pipe, without cock, 25c.

Fig. 63—To make connection between ½ or ¾-inch hose coupling and spray nozzle, 25c.

Fig. 67—Has male end to wire into ½-inch hose, other end cut ¼-inch male pipe thread, 25c.

Fig. 85—Brass stop cock, blank for wire ¼-inch hose, other end ¼-inch male thread, 65c.

Fig. 54—Brass stop cock, cut ¼-inch female pipe thread both ends, 65c.

Fig. 1338—Brass stop cock, cut ¼-inch female pipe thread both ends, $1.25.

(Fig. 504.) BRASS HOSE COUPLINGS,

Size, inches. ½ ¾ 1 1¼ 1½ 2 2½ Price, each. .05 .05 .06 .08 .10 .12 .15

Fig. 89—¾-inch Brass Nipples. $0.25

Wing Agitator Comp. for Pomona. $1.25

Wing Agitator Comp. for Fruit-All. $1.00

Fig. 49—Brass Y with male pipe thread on inlet. $0.80

Fig. 49½—Brass Y, female thread on inlet, for two nozzles. $0.80

Fig. 1024—Brass Y for two nozzles. $0.50

FUNNEL AND STRAINER. (Fig. 1273.)

Tin, with brass 20-mesh wire strainer. $1.00

Galvanized, with brass 29-mesh wire strainer. 1.75

BRASS HOSE CLAMPS. (Fig. 1272.)

A Screwdriver does the business.

Price, each. 5c 5c 10c 15c 20c 25c

RUBBER HOSE FOR SPRAY PUMPS,

3/8-inch tubing, per foot... 8c 3/8-inch Spray, No. 2, per ft., 20c

¾-inch Oretto, per foot, 10c 1-inch, Baltimore, 20c

2¼-inch Spray, No. 1, per ft., 25c 2-inch, wire-lined suction, 40c

3-4 INCH HOSE

ORIOLE, 3-ply, 3/4-in., in 25 and 50-foot lengths (100 pounds pressure) $10.00

GRIFFITH & TURNER CO.'S EXTRA, 3-ply, 3/4-in., in 25 and 50-foot lengths (125 pounds pressure) $12.00

CREST SPECIAL, 3-ply, ¾-inch, 25 and 50-foot lengths (200 pounds pressure) $17.00

GRIFFITH, 5-ply ¾-inch, in 25 and 50-foot lengths (500 pounds pressure) $16.00


## Gould's "Pomona" Spray Pump

**With Agitator. All Working Parts Bronze.**

**Fig. 1100.**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Stroke</th>
<th>Discharge</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½ inch.</td>
<td>2½ inch</td>
<td>4½ in. hose</td>
<td>$19.50</td>
</tr>
</tbody>
</table>

No leather packing. Valves are brass; easily accessible; wing guided on beveled seats, ground to fit. Air chamber steel. Lever long and powerful, with adjustable stroke, 3, 4 or 5 inch. Solid brass plunger, machine turned, fitting gland accurately. Pump is held securely by adjustable clamp plate, made to fit either end or side of barrel, and by a small anchor located at bottom of barrel. The mechanical agitator is operated by stroke of the handle.

### Fitted Equipment

<table>
<thead>
<tr>
<th>Fig. 1100.</th>
<th>Equipment, Prices, Etc.</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTFIT A, FOR</td>
<td>Single Lead.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubber hose, extra per ft., ½ in.</td>
<td>$10.00</td>
<td>$15.00</td>
<td></td>
</tr>
<tr>
<td>½ in., spray No. 1</td>
<td>$20.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>½ in., spray No. 2</td>
<td>$2.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| OUTFIT B, FOR | Double Lead. | | |
| Rubber hose, extra per ft., ½ in. | $15.00 | $20.00 |
| ½ in., spray No. 1 | $20.00 |
| ½ in., spray No. 2 | $2.00 |

These Pumps, Figs. 1100 and 1188 are peculiarly adapted to the use of lime, salt and sulphur solution, but can also be used for other insecticides.

### Spray with Kil-o-Scale

These pumps are admirably adapted for whitewashing or painting, but Bordeaux Nozzle should be used.

**Kil-o-Scale** during dormant season.

---

## Gould’s “Fruitall” Spray Pump

**With Agitator. All Working Parts Bronze.**

"Fruitall" Spray Pump is made on the same general lines as our now famous "Pomona." It is, however, lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer, are of brass. Regularly fitted with wing agitator similar to one used on "Pomona," and which has proven to be the best type. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stove. Not made for side of barrel. The agitator is a perfect working device and answers every purpose for anyone desiring a lighter and cheaper pump.

### Fitted Equipment

<table>
<thead>
<tr>
<th>Fig. 1188.</th>
<th>Pump, Equipment, Etc.</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTFIT A, Fitted for one lead of ½ in., discharge hose with hose bands, couplings, agitator and 1 Vermorel (or other spray nozzle, except Mistry), but without hose</td>
<td>$12.50</td>
<td>$18.00</td>
<td></td>
</tr>
<tr>
<td>ONE LEAD, ½ in., spray No. 1, for caustic washes, barium, etc.</td>
<td>$2.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubber hose, extra per ft., ½ in.</td>
<td>$10.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUTFIT B, Fitted for two leads of ½ in., discharge hose with hose bands, couplings, agitator and 2 Vermorel (or other spray nozzles, except Mistry), but without hose</td>
<td>$15.00</td>
<td>$20.00</td>
<td></td>
</tr>
<tr>
<td>TWO LEADS, ½ in., spray No. 1, for caustic washes, barium, etc.</td>
<td>$10.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubber hose, extra per ft., ½ in.</td>
<td>$15.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cook Your Lime, Salt and Sulphur with G. & T. Boiler and Feed Cooker

Heavy cold rolled steel furnace; extra large feed door; wrought iron handles, firmly riveted on Kettles and barrel and truck, as shown in cut, furnished with steel wheels. Add to price of outfit.

<table>
<thead>
<tr>
<th>Prices of G. &amp; T. Boiler and Cooker</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual Capacity</td>
<td>Diam. of Furnace</td>
<td>Shipping Weight</td>
</tr>
<tr>
<td>35 gallons, 2½ inches</td>
<td>150 pounds</td>
<td>$13.00</td>
</tr>
<tr>
<td>33 gallons, 2½ inches</td>
<td>175 pounds</td>
<td>$14.00</td>
</tr>
<tr>
<td>48 gallons, 2½ inches</td>
<td>200 pounds</td>
<td>$16.50</td>
</tr>
<tr>
<td>53 gallons, 2½ inches</td>
<td>225 pounds</td>
<td>$18.00</td>
</tr>
<tr>
<td>75 gallons, 3 inches</td>
<td>375 pounds</td>
<td>$24.00</td>
</tr>
</tbody>
</table>

---

**Kil-o-Scale**
Gould's "Monarch"
TWO-CYLINDER SPRAY PUMP.

Vertical Outside Packed, Bronze Plungers, Bronze Glands, Valves, Etc.

Fig. 1318. "Monarch" has two bronze plungers operating in two vertical cylinders, which are packed with a material unaffected by spraying solutions. This construction permits all gritty particles to pass through the valves and out, and does not grind the cylinder. The ports are large and direct. The valves are bronze, ground to 3 ft. for bronze seats, are accessible through handholes. The lever is so arranged as to be operated in two positions. The "Monarch" combines large capacity and ease of operation, and we do not hesitate to say that this is the easiest operated Pump of its capacity on the market.

<table>
<thead>
<tr>
<th>No.</th>
<th>Dia. Cyl.</th>
<th>Discharge</th>
<th>Suction</th>
<th>Price Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 in.</td>
<td>3/4 in.</td>
<td>1/2 in.</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

The Auto-Spray
A Self-Operating or Automatic Sprayer.

Length of cylinder, 21 inches; weight, loaded, 38 pounds; diameter of cylinder, 7 inches; capacity, about 4 gallons; weight, empty, 7 pounds; extension pipes extra.

A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. This means that the "Auto-Spray" can be charged in 15 seconds, when it will work uninterruptedly for six to seven seconds, which is enough to spray a quarter acre of potatoes. The spray can be made to flow fast or slow by merely turning the cock of the nozzle, and it will throw either a cloud-like shower or a solid stream.

**Prices.**

Auto-Spray No. 1A, Brass Reservoir, Stop Cock, List Price, $8.50, Retail Price, $6.50.

Auto-Spray No. 1B, Brass Reservoir, Auto-Pop, List Price, $5.50, Retail Price, $4.50.

Auto-Spray No. 1C, Galvanized Reservoir, Stop Cock, List Price, $5.00, Retail Price, $4.00.

Auto-Spray No. 1D, Galvanized Reservoir, Auto-Pop, List Price, $8.00, Retail Price, $5.50.

Extension Pipe, brass, two-foot length, 50c; Galvanized, 40c.

**"THE AUTO-POP" and "ANTI-CHEKE" NOZZLE.**

The "Auto-Pop" is an automatic valve which is closed by the air pressure used to operate the "Auto-Spray."

In operation a lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray.

By releasing the lever it closes itself automatically; hence the spray is in perfect control.

The value of the "Auto-Pop" is most apparent in spraying potatoes, tobacco, cotton, small fruits, etc., where only enough solution is used to spray each plant or vine.

$1.25.

**SPRAYING TANKS.**

Tank, with Bolster and the inside, $20. Per foot. Same, without Agitator, $18.00.

**RUBBER HOSE FOR SPRAY PUMPS.**

The illustration shows our half-round Tank, which is especially adapted for use with our MONARCH, Fig. 1318. Pump. These are made of 1/4-inch pine, strongly gripped with steel and hard wood. The joints are made. The tank weighs about 120 lbs., is 8 feet long, 3 feet wide and holds 8 bbls. of liquid. Tanks are furnished with or without Agitator.

$10.00.

Any other nozzle to furnish with these pumps when ordered, except Mistry.

**THE PERFECT KNAPSACK SPRAY PUMP**

Fig. 547.—No. 330. Tank holds 5 gallons, is fitted with lid and strainer, which can be removed. This Pump has lever, large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. Fitted with 5 feet 1/4-inch hose, pipe extension and Bordeaux spray nozzle, can be graduated from fine mist to a solid stream or shut off entirely. Retail price, $6.00.

List price, $10.00.

Any other nozzle to furnish with these pumps when ordered, except Mistry.

**THE AUTO-SPIRAL**

The Auto-Spiral warranted.

**"THE AUTO-SPIRAL"**

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$10.00.

Any other nozzle to furnish with these pumps when ordered, except Mistry.
Watson High Pressure 4-Row Potato Sprayer

Entirely automatic, with Agitator and Brushes which Stir the Liquid and Keep the Suction Strainers Clean

Fitted with thills for one horse; tank holds 60 gallons.
Double cylinder pump; all cylinders for 2½x8 inches; separate suction pipes and all working parts made of brass. No leather valves.
The best automatic mechanical agitator fitted with automatic brushes to keep suction strainers clean, insuring a steady and continuous supply, in thorough solution and without clogging.
Wheels 56 inches in diameter, adjustable on the axle for rows planted 3½ to 3 feet apart: 3-inch tire.
Axle 1.16 inch turned steel; 3 babbitted boxes, one at the center of the axle to prevent springing.
Pressure adjustable, 50 to 100 pounds, at the will of the operator by the use of a back-pressure safety-valve, which will enable the pressure to be gotten up and the mixture thoroughly stirred before commencing to spray.
A vertical adjustment of pipes and nozzles to allow of a privilege of 12 inches up or down; extreme height 40 inches from the ground.
Nozzles and pipes as shown are in position for spraying four rows of potatoes when the tops are small; may be removed for passing through gate by loosening two thumb screws.
Will spray orchards, shrubs or any crop where it can be moved about and may be readily converted into a hand sprayer.
The Watson will spray from 50 to 40 acres of potatoes, cotton, tobacco or vegetables for a day's work, and without waste of liquid.

Price, complete as shown ................................ $65.00
For horizontal pipe shifter, add $100 to above price.
This machine can be furnished with 100-gallon tank at additional cost.
It can also be furnished with one or two leads of hose for orchard spraying.

The "BEETLE" Four Row Horse Power Potato Duster.

Constructed on the same principal as the Champion and Little Giant Dusters that have been in such general use for over ten years, and proved a success.
Four rows of potato vines may be dusted as fast as a horse walks, covering from twenty to forty acres of potatoes in a day with one horse, according to conditions of land and weather.
By the wet process it would require from six to twelve barrels of water and two horses to cover the same acreage, besides the double time; in other words, fifty gallons of water is required for three acres, but only Three Pounds of Paris Green when applied dry.
It saves time, labor and material, and does thorough work. The dust is blown down through the vines, so as to reach not only the upper part of the foliage, but all parts. The "BEETLE" Duster is always ready for use, and can be operated by an inexperienced person with good results.
The reservoir holds about 30 lbs. of Lime or 50 lbs. Green. The tubes and nozzles may be raised or lowered at will, so as to dust close to the vines. The fan and agitator are controlled by a clutch. The tubes and cart wheels are adjustable for wide or narrow rows. The gauge shows how far apart the slots are open, without looking inside, and is opened or closed by means of a thumb screw. The working parts should be kept well oiled.

Price ............................................................. $60.00

Hurst's Combination Potato Sprayer

Adapted to
Potatoes and
Truck, Small
Fruits and
Shrubbery

This machine sprays any truck or potatoes (four rows at a time)—develops high pressure—delivers a fog-like spray which saves solution and envelops the foliage in a mist, which penetrates to every part—sprays an acre or more without refilling.
For high tree, potato, orchard, vineyard, melon, strawberry and all kinds of truck spraying rows four at a time—covers ground very fast—an acre in half an hour, or 20 acres per day.

Vermorel anti-clog nozzles. Adjustable to spray any width of rows, throw in any angle to spray anything. All solid brass; also connections, etc.
The pump is our latest improved; has great power (having extra air-chamber) yet works easy. Solid brass parts, including cylinder, unions, valve seats, etc.—means strength and durability.

Pushes easy. Is no mankiller, having 3-inch tire wheels (instead of two inches); pushes with reasonable ease even in loosest or very sandy soil; as easy to push as hand garden tools or wheelbarrow seeder.

Material—This machine being made largely of steel and brass, is light, strong and durable. Frame is of special steel tubing, very light and strong. Tanks of heavy galvanized steel especially made for this purpose; also heavily coated inside with anti-rust enamel. No bulky wooden tank to dry in and leak. Solid brass stop cock, which enables the operator to shut off spray at will without throwing machine out of gear.

Spray arms—Adjustable—can be raised or lowered according to height of article to be sprayed, for vineyard, bushes, tobacco, etc.; can simply swing or raise arms to suitable height on spray-arm bracket. (See dotted lines on cut.)

Adjustable slide on spray arms allows the adjustability of the nozzles to various widths and heights of rows, and by adjusting or turning the nozzles outward (horizontally with sprays arm) can reach rows at a distance of about 15 feet apart.

Price ............................................................. $27.50
"Masson" Spray Nozzle

Fig. 62. "Masson" Spray Nozzle, we offer where extremely fine spray is desired. It may be briefly described as an all-bronze plug cock, constructed to give a fan-shaped discharge at an angle. By simple turning the small "F" handle, the discharge may be graduated from a mist-like spray (consuming only one gallon of liquid in fifteen minutes) to as coarse a spray as may be desired to use. With the thumb on the side of the drill, the discharge can be instantly shut off, when not required, thus preventing waste of liquid and loss of labor. It may be cleaned by turning plug across the opening.

List price, $1.00. Retail price, 75c.

Acme Liquid Atomizer

For spraying Paris Green and other insecticides on potato plants, shrubs, small trees, house plants, live stock and poultry. Applies the finest spray on desired objects and exterminates any kind of insect life. Quite a number are now in use for this purpose with the most satisfactory results.

Prices—Tin Atomizers, 50c.; Galvanized Tank, 75c.; Brass Tank, 75c.

No. 1 Can Sprayer, 50c.

One-half teaspoonful of Paris Green and one pint of water is sufficient to destroy all the bugs on 1,300 hills of potatoes.

Tennant Atomizer, with Mixer, $1.00

Two tubes are so arranged that no matter how the sprayer is held, one tube at least is always in the liquid. Will spray overhead, ceilings, shrubbery, etc. One Blow-bolle, resulting in producing the finest conceivable spray, necessary for disinfecting. It may be used from the side of the bed, directly to the bottom of the receptacle; the contents thoroughly agitate the contents. Especially desirable for using emulsions, kerosene and water, whitewash, Paris Green, etc.

Holds about two ounces of liquid; easily filled. Designed for using disinfectants, blowing powders, washing off plants, sprinkling clothes, spraying telephone mouth pieces, etc. Also for exterminating bedbugs, flies, moths, roaches, mosquitoes, etc.

Price…………………………………………………………………………………………………..50c.

The Acme Powder Gun is the simplest tool ever made for applying poison to growing crops. It is entirely independent of water or plaster. No poison is left about the fields to kill stock. It requires no base of supplies; all you need carry is a can of dry insecticide and the gun. Without stooping—the elbow does it— it applies any powdered poison on any plant in any desired quantity any time of the day. The elbow may be detached if desired. This tool is well made of the best materials. The body of the gun is painted a bright vermillion, and the handles finished bright. The leather is a fine russet. We also furnish a spreader for distributing the blast.

Price…………………………………………………………………………………………..75c.

The Acme Single Powder Gun (Dry Powder) Blower.

SPRAY WITH KILO-SCALE
KIL-O-SCALE Still Forging Ahead

KIL-O-SCALE was in such great demand last season that our factory was taxed to its utmost capacity, but now we are fully prepared to promptly fill all orders. In consequence of our increased facilities for manufacturing, we are enabled to reduce the cost of manufacturing, and in consequence we give the consumer the benefit by lessening the price to him.

At the same time, KIL-O-SCALE is the same as when first made. We cannot IMPROVE it on its EFFICIENCY and WILL NOT DECREASE THE QUALITY.

DESCRIPTIVE

KIL-O-SCALE is a scientific chemical compound; it is a perfect remedy for all scales and other destructive insect life; is made and shipped only in concentrated form, and will mix with cold water in any proportion; is economical; is easy to apply; is not a mixture of chemicals, but a single chemical substance, not a destructive insect life; is made and shipped only in concentrated form; and will mix with cold water in any proportion; is economical; is easy to apply; is not a mixture of chemicals, but a single chemical substance.

KIL-O-SCALE is not a "Quick Remedy," but is prepared for the specific purpose of killing the San Jose scale; will not clog the spray pump or nozzle; may be used in the late fall and during the winter and early spring, up until the buds swell. Will not injure the trees.

DIRECTIONS

To one gallon of KIL-O-SCALE add 20 gallons of cold water and stir. It is then ready to be applied to the trees.

CONSIDERS IT THE BEST INSECTICIDE

"It gives me pleasure to state that I consider KIL-O-SCALE the best insecticide I have ever used for the San Jose scale. It is easy to apply and very effectual and does not injure the trees in any way. In fact, I believe it is beneficial to them, and I certainly would not be without it if the price were twice the present."

When I commenced to use it two years ago some of my trees were in very poor condition, but now they are vigorous and look fine, I would be very glad to show you the results if you would call on me."

WILLIAM SINGERTON,
Gardener to Mrs. William Arnold,

M. S. SCOTT, Supt. to A. A. Houseman, says he has never seen the fruit of trees like KIL-O-SCALE. It does its work thoroughly.

John Williams, head gardener, E. Hawley, says it is a fine thing and will want more in the fall.

John Tobin, head gardener, Edwin Thorn, says it is a fine thing.

Nothing better than KIL-O-SCALE.

P. J. PREMM, Supt. W. K. Vanderbilt, says he is well satisfied.

J. L. DUMPER, head gardener, C. L. Lawrence, thinks it is better than any other.

James Scott, head gardener, Mr. Johnson, says it has done fine work for him.

FLOWERS OF SULPHUR

<table>
<thead>
<tr>
<th>Pound</th>
<th>10c.</th>
<th>Five pounds</th>
<th>40c.</th>
<th>Ten pounds</th>
<th>65c.</th>
<th>K. B. *</th>
<th>If by mail, add 15c. per pound for postage.</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 pounds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>55c.</td>
<td>90c.</td>
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<tr>
<td>100 pounds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45c.</td>
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<tr>
<td>Barrels, 150 pounds</td>
<td></td>
<td>3c. net.</td>
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FLOUR OF SULPHUR

<table>
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<tr>
<th>Barrels of 250 pounds</th>
<th>25c. lb.</th>
<th>Per 100 pounds</th>
<th>4c. lb.</th>
<th>Per 10 pounds</th>
<th>6c. lb.</th>
<th>Per 5 pounds</th>
<th>8c. lb.</th>
</tr>
</thead>
</table>

CAUSTIC SODA

| 25 and 50 pound cans per pound | 8c. | 5 and 10 pound cans per pound | 10c. |
KIL-WEED
A highly concentrated liquid, free from oil, for the removal of all weeds, grass, vines, bushes, moss, and other vegetable growths from paths, roadsides, gutters, streets, etc. A scientific preparation that has been carefully made and thoroughly tested; can absolutely be depended upon to do what we claim. Mixed in the proportion of one gallon KIL-WEED to 50 gallons of water, will make a strong solution that will remove grass and weeds readily by washing. Also excellent for spraying can or cart, enabling one man to accomplish as much in this manner as would be done by five or six men. REMEMBER:

1 Quart Cans, each.... $0.35
5-Gallon Cans, each.... $4.00
Half Gallon Cans, each.... 0.60
10 Gallon Cans, each... 7.50
1 Gallon Cans, each.... 1.00

BOURDEAUX MIXTURE (POWDER)
Ready for use by simply adding water. Price: per pound box, 15c.; makes five gallons of spray. Five-pound box, 60c.; makes 25 gallons of spray.

For Use on Golf and Cricket Grounds, Parks, Cemeteries, etc.
KIL-WORM kills Worms, Ants, Spiders, etc. Causes the insects to come to the surface to die.
One Gallon KIL-WORM makes fifty gallons of liquid.
In order to produce an insecticidal that will effectively destroy these pernicious insects and at the same time not injure grass or plants, the result of much study and is not a hastily compounded concoction, just gotten up to sell. All we ask is that any handling of this product.

Full Directions with every container.

Arsenical Lead
Recommended by the United States Agricultural Department and the State Experiment Stations as an insecticide of great value, and equally as destructive as Paris Green. The advantages over Paris Green are its lower price and equal value for money. Effect: easier to dissolve; more adhesive, and lasts longer. The expense of land plaster or gypsum is done away with. Apply 2 to 3 pounds to 100 gallons of cold water and spray. Put up in packages of 1, 5 and 10 pounds.

The greater adhesive qualities of Arsenical Lead make it superior to Paris Green. One application sufficient; when more applications or Paris Green are required.

Our Kur-Roup is put up especially for us from a秘密的 recipe, in which is combined a strong tonic and purifying agent, keeping up the system, dispersing the disease. 50c. Per package, Postpaid.

For Chickens—This Roup Cure is guaranteed to cure Roup, Canker and Diphtheric Roup where it is used according to directions on every package, except in cases where the fowl is in the last and incurable stages of the disease. Our Kur-Roup is put up especially for us from a secret recipe, in which is combined a strong tonic and purifying agent, keeping up the system, dispersing the disease. 50c. Per package, Postpaid.

VERMINOID LICE EXTERMINATOR
Verminoid, the Great Antiseptic, Disinfectant, Lice Killer and Cholera Preventer, is especially adapted for use in poultry houses, sinks, cellars, barns, cellars, stables, and barns, etc. For general use as a disinfectant or for killing vermin in chicken houses there is nothing on the market that can excel it.

Verminoid, mixed with water (see directions on package), and sprayed on the inside of the houses, control and control, and then the premises clean and pure and will absolutely destroy all vermin.

CAUTION.—The application should be made in the morning after the fowls leave their roosts. Directions on each package.

For a contact louse remedy use our Antiseptic Powder described above.
Put up in this. Price: Qt., 60c.; ½ Gal., 1.60c.; 1 Gal., 5.00c.

TIC-KIL
A cold-water Sheep dip, Disinfectant; Non-Corrosive; Detergent.

Tic-Kill is a highly-concentrated solution, perfectly soluble in water, which makes it very cheap and convenient. It is a great remedy for many skin diseases and parasite troubles. Very purifying, and acts as a deodorizer also. Directions for use on every package.

PRICE: Quart, 60c.; ½ gallon, 1.60c.; 1 gallon, 5.00c.; 10 gallons, 10.50c.

Special prices in bris.

G & T
FRIGGITH & TURNER CO.

Bordeaux Mixture
Liquor and Dry
A valuable and invaluable fungicide for grape-growers, thereby insuring larger crops and finer grapes, and preventing failure. A sure cure and preventative for black rot, mildew and rust. Also of great value for other plants, with killed diseases. Per quart, 40c. Per gallon, $1.10. By express or freight only. Mix one part of this to 50 parts of water.

Kerosene Emulsion
(Liquid)
Ready for use by simply adding water. Price: per pound box, 15c.; makes five gallons of spray. Five-pound box, 60c.; makes 25 gallons of spray.

G & T ANTI-SEPTIC LICE AND FLEA POWDER is harmless to human health, however, and is, however, SURE DEATH TO LICE AND VERMIN of all kinds. It is particularly adapted for use on poultry, where its antiseptic properties act in all irritation or inflammation of the skin caused by lice or mites, keeping the stock in full health and vigor. Its power to check the incessant irritation of lice or vermin, needless to say, is too well known, and it is in fact well to say that no other lice and vermin exterminator has ever been so tested in a scientific manner in a few days.

This powder is a general disinfectant, and will purify the premises, destroying germs and all putrefying gases.
1-pound cartons, 25c.; 5-pound cartons, 5c.

FOR DOGS, HOGS AND SHEEP.
After a number of exhaustive experiments we confidently place the G & T Mange Cure on the market. If followed strictly in accordance with the directions, it will positively cure the worst cases of mange in a few days.

The first application the animal will cease rubbing or scratching, even though the hair or wool has dropped out, it will soon tone and revitalize the skin in an incredibly short time it will start growing again.

KAN-I-NOID
G & T MANE- CURA
short time it will start growing again.

It is healing, purifying, antiseptic and disinfectant. Perfectly soluble in water.
Put up in this. Price: Qt., 60c.; ½ Gal., 1.00c.; 1 Gal., 1.50c.
**BAG BALM**

For all the diseases of the cow's udder and teats there is no remedy so quick and certain in its curative powers as BAG BALM. It is a soothing, penetrating ointment especially adapted for all those serious and annoying troubles known as caked bag, cow pox, chapped, cracked and sore teats, bunches, chafing and inflammation of all kinds. BAG BALM penetrates the skin and inner tissues at once, reaching the glands, where it reduces the inflammation, and cools the affected parts. This remedy has met with unequalled success and is found on the most progressive dairy farms in the country. Price, 50 cents.

**HORSE TONIC**

AMERICAN HORSE TONIC is for horses only. This tonic is a specific for horses, an actual medicine that goes to the root of all horse ailments and removes the cause of the trouble. A few doses will send a dull, listless horse on the way rejoicing. Its curative power is wonderful. AMERICAN HORSE TONIC is the best remedy known for scours, fever, worms, ulcers, boils, abscesses of skin, scrofula of the system, derangement of bowels, and all causes of listlessness and listless, listless, listless. Per box, 50 cents.

**COWS' RELIEF**

Cures baked bags, heals sore teats, cures spider in the teat. The original. Cows' Relief, ½-pound box. Cows' Relief, 1½-pound box. $1.10.

**HORSE COMFORT**

The Most Remarkable Remedy Ever Compounded for Healing Cuts and Open Sores of Every Kind.—HORSE COMFORT is a liquid preparation which is unequalled for quickly healing all kinds of open sores or abrasions of the skin. It is used by simply wetting the sore spot. No bandages or filthy rags, no rubbing or heating it in. Simply wet the spot and the cure begins. Price per bottle, 25c. and 50c.

**ARABIAN SCRATCHES AND GALL CURE**

Is without an equal. It cures every horse every time. 3 Ounces, 25c.; 9 Ounces, 50c.

**Veterinary Remedies**

Dr. A. C. Daniels.

Colic Cure, $1.00. Cough, Cold and Fever Drops, 50c., Horse Renovator, 50c., Wonder Worker Oster-Coccus (Nerve and Muscle Liniment), 25c. and 50c., Hoof Grower and Softener, 50c., Gall-Cura, 25c.

Dr. J. G. Leslie's Warranted Veterinary Medicines

Colic Cure, $1.00. Fever Drops, 50c., Cough and Tonic Drops, 50c., Worm Annihilator, 50c., Electric Hoof Ointment, 50c., Total Eclipse Spavin Cure, 50c., All-Healing Balm, 50c., Gall Cure, 25c., 50c., Leslie's Liniment, 50c., Bice cabinet furnished with an assorted order of $20.00.

**G & T Co.'s Kur-Roup For Chickens**

Our Kur-Roup is put up especially for us from a scientific remedy, in which is combined a strong tonic and blood purifier, building up the system, dispersing the disease. We do not hesitate to recommend it for the sure cure of Roup in all its stages. Price 50c., per Package, Postpaid.

**LEE'S GERMOMOZE**—For Roup and all Poultry Diseases. Tablets to dissolve in water, 50c., per box.

**LEE'S HOG REMEDY**—Prevents and cures Hog Cholera, 50c., size, 25-pound. Price, $2.60.

**HAYES'S ROPP PILLS**—For the cure of Roup, Caterh, Cold, etc., Box, 25c.

**RUST'S CONDITION POWDERS**—The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young turkeys that have been exposed to the weather; also an excellent medicine for horses, cattle, sheep and hogs. 11-oz. pk., 25c., by mail, 40c. 32-oz. pk., 50c. 5-lb. box, $1.00.

**PRATT'S ANIMAL REGULATOR**—25c. package.

**Ideal Tonic**

Kill the Germs before they have time to do any harm.

**The New Scientific Cure and Preventive Of Hog Cholera**

ANTIKOL is specifically designed to prevent and cure Hog Cholera. It cannot be of benefit except in cases where a disease is due to germs introduced into the intestinal tract. It is fatal to the hog cholera germ and yet absolutely harmless to the hog when used in accordance with directions. It absolutely destroys the cause of cholera in a few hours, and consequently, when properly used, is a perfect preventive. If the disease has already gained access to the herd, "ANTIKOL" will cure the germs sure to be present in the food and drink of the hog, as well as effectively destroy the disease-producing bacteria in the intestines of the animal. Use "ANTIKOL" freely the year around in all the food and drink given to the hogs. If used properly, you will never have the cholera. Even though the hogs on all the adjoining farms are dying from the disease, your hogs will have been insured against an attack of cholera. Can you afford to take the risk?

**Ideal Tonic**

It was originally prepared for hogs which had been cured of cholera by "ANTIKOL." The delicate condition of the stomach and intestines of these animals naturally makes it necessary that a strictly high-grade tonic be used in order to assist the hogs to gain the rapidly as possible. Can be used with equally good results on all kinds of stock.

**Price List.** — "ANTIKOL," $1.00 and $6.00 packages. The $8.00 size contains 7½ times more than the $1.00 size. $1.00 size postpaid, $1.18.

"Ideal Tonic." 50c. and $1.50 size, $1.50 size contains 1 times more than the 50-cent size.

**All Prices Subject to Change Without Notice.**
KILLS

A Wonderful Inexpensive Insecticide

**Kills**

**Suilo-**

**Tobacco Soap**

Destroys cabbage, squash and potato bugs, currant worms, currant leaves, green fly, mealy bug, red spider, etc. Sure death to all injurious insects. Of great value for spraying shrubs, fruit trees and vines. Produces a brilliant rose if bushes are sprayed liberally before blooming time.

3-oz. Cake makes 4 gallons prepared solution. 10 cents.

**Nailled, postpaid, for 13 cents.**

8-oz. Cake makes 4 gallons prepared solution. 20 cents.

**Nailled, postpaid, for 25 cents.**

10-lb. Cake makes 80 gallons prepared solution. By express. $2.00.

Free with every order. "The Window Garden," a booklet by Eben E. Rexford, giving valuable information on the cultivation of plants and the extermination of insects.

**PERSIAN INSECT POWDER, OR BURACH.**

Price: 1/2 pound, 15c; 1 pound, 40c; or by mail, 55c.

**DRY.—** Blow on with a bellows gun.

**Solution.—** Dissolve one ounce to three gallons of water, and apply with sprayer or pump.

**NIKOTEEEN.**

In the most powerful known insecticide, and will be found more economical and convenient than weak tobacco extracts. Price: Pint cans, $1.50; 5 cans, $7.00.

**VAPORIZING IRONS.**

Fumigating, smoking, etc.

**3 PANS, 3 IRONS AND 1 HOOK.**

$3.00.

**APHIS PUNK (NIKOTEEEN).**

Especially designed for use in private places and in houses without convenient fumigating facilities. Price: 1/2 pound, 20c; 1 pound, 75c; 2 pounds, 25c; five pounds, 50c; ten pounds, $1.00. Special in large quantities.

**MICROCIDE.**

An infallible remedy for aphis, green fly and other greenhouse vermin.

No. 1—1 pint for 32,000 cu. ft. of space. $2.50

No. 2—1 pint for 18,000 cu. ft. of space. $1.25

No. 3—4 oz. for 8,000 cu. ft. of space. 70c.

Lamp for evaporating, consisting of pan, holder and lamp. 30c.

After Lamp is lit and pan containing compound is placed over it, the person should leave the house and not return for at least two hours, as the lamp will die out soon after the compound has evaporated.

**FUMIGATORS.**

No. 2—Height, 16 inches. For a house 12x40 feet. Price, $1.75.

No. 3—Height, 20 inches. For a house 15x100 feet. Price, $2.25.

**PINNER'S TOBACCO SOAP.**

Found, 40c. By mail, 55c.

**Tobacco Dust, Fine.**

For green and black aphis, fleas, beetles, etc. Splendid sterilizer and preventive for insects in the ground and around roots. Price: 5 pounds, 20c; 10 pounds, 60c; 100 pounds, $3.00; 200 pounds, $6.75. For insects on plants apply with powder duster or hoppers. For worms or grubs in the soil apply liberally to the surface and rake in, or sift thickly in the drills before planting.

**Tobacco Stems.**

Indispensable for fumigating greenhouses and conservatories for the destruction of green and black aphis and other insects. 5c a pound. One large quantity, 50 pounds, 3c a pound. Dampen thoroughly a few hours before using, place about a half pound over a handful of shavings in a fumigator and light.

**"THYMO-CRESOL," ENGLISH COLD-WATER SHEEP DIP.**

A gallon makes a hundred gallons for most uses. A world-famous insecticide. Besides, is used as an internal and external remedy for animal wounds and skin diseases, for killing animal parasites, mixing with whitewash for trees, chicken-houses, kitchen doors, etc. Price: Pint can, 45c; Quart can, 60c; gallon can, $1.75.
G. & T. BOILER AND FEED COOKER

Heavy cold rolled steel furnace; extra large feed door; wrought iron handles, firmly riveted on. Kettles smooth, heavy cast iron. Door, frame and fine collar cast iron. Never buckles or warps from heat; designed to set on ground or brick foundation; especially adapted for cooking feed, rendering lard, making soap, scalding hogs, poultry, etc. Cast iron flues are constructed inside this, retaining heat and economizing fuel. We always ship furnace for wood fuel unless otherwise specified. Also used for lime, sulphur and salt. Also for time, sulphur and salt, etc. All for time, sulphur and salt, etc. For lime, sulphur and salt, etc.

<table>
<thead>
<tr>
<th>Actual Capacity</th>
<th>Shipping Weight</th>
<th>Furnace Price</th>
<th>Kettle Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 gallons</td>
<td>24 inches</td>
<td>16.00</td>
<td>10.50</td>
</tr>
<tr>
<td>40 gallons</td>
<td>26 inches</td>
<td>18.00</td>
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<tr>
<td>55 gallons</td>
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<tr>
<td>75 gallons</td>
<td>32 inches</td>
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</tr>
<tr>
<td>100 gallons</td>
<td>36 inches</td>
<td>36.00</td>
<td>24.00</td>
</tr>
</tbody>
</table>

Add $1.50 for oil, $1.25 for coal, $1.75 for wood. List price $1.50, Retail $3.50. You will notice that our kettles are rated at exact capacity.

THE BANNER ROOT CUTTER.

Built in Three Sizes for Both Hand and Power.


THE NO. 20—FOR HAND USE.

Has a capacity of 50 to 60 bushels per hour. Retail price $9.00. Special Discount for Cash.

Supplied with crank, also for hand use. Capacity of hand, 50 to 60 bushels per hour. Capacity of power, 2 to 3 bushels per minute. Our retail price $13.00. Special Discount for Cash.

THOROUGHLY TESTED FOR BOTH HAND AND POWER.

20-20 FOR HAND USE.

No. 30 for hand use. Capacity of hand, 50 to 60 bushels per hour. Capacity of power, 2 to 3 bushels per minute. Our retail price $13.00. Special Discount for Cash.

Horse Radish Crater.

With fluted cylinder for Horse Radish. List price $7.00. Retail $6.50.

With steel pin cylinder for Horse Radish. List price $8.00. Retail $7.25.

With steel pin cylinder for Horse Radish. List price $9.00. Retail $8.00.

With steel pin cylinder for Horse Radish. List price $10.00. Retail $9.50.

Thompson, Jr., No. 7 Root Cutter.

Baltimore Electric Feed Cooker.

Furnace door frame, hearth and grates of best cast iron; lining and sides of sheet steel plate; boiler is made of galvanized steel; will not rust; can also be used for scalding hogs. No. 1, 20 gallons, $6.50. No. 2, 30 gallons, $11.50. No. 3, 50 gallons, $13.25.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Price List Baltimore Wood Pumps

AS REVISED BY
National Association of Wood Pump Manufacturers.

THIS PRICE LIST SUPERSEDES ALL HITHERTO USED.

"No. 0."—STOCK PUMPS. 7x7 Inches, 4-Inch Bore.

<table>
<thead>
<tr>
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<th>List</th>
<th>Unlined Price</th>
<th>Porcelainamed Price</th>
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<tr>
<td>6</td>
<td>8.50</td>
<td>$7.90</td>
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<tr>
<td>10</td>
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<tr>
<td>16</td>
<td>10.25</td>
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Less 30 per cent. Retail.

"No. 1."—THE FAVORITE HOUSE PUMPS.

<table>
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<tr>
<th>Depth of Well</th>
<th>List</th>
<th>Unlined Price</th>
<th>Porcelainamed Price</th>
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<td>6</td>
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<tr>
<td>12</td>
<td>7.50</td>
<td>$8.00</td>
<td>$10.00</td>
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</table>

Less 30 per cent. Retail.

PUMPS FOR DRIVE WELLS.

To Fit 1½, 1½ or 2 Inch Iron Pipe.

No. 1—House, 6 feet long, porcelain-lined iron cylinder. $8.00

Special porcelain-lined cylinder, 5 feet wood extended entire length, 6 feet.

Less 30 per cent. Retail.

BRASS JACKET DRIVE WELL POINTS.

<table>
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<th>Diameter Length</th>
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<td>$30.00</td>
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<tr>
<td>1</td>
<td>15 in.</td>
<td>100</td>
<td>$30.00</td>
</tr>
<tr>
<td>1/2</td>
<td>20 in.</td>
<td>150</td>
<td>$35.00</td>
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<tr>
<td>1/4</td>
<td>25 in.</td>
<td>45</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

Less 30 per cent. Retail.

Miscellaneous.

6x6 Couplings for 4x4 Tubing. $0.50

5x5-Inch, Each, No. 00. $1.25

5x5-Inch, Each, No. 0. $1.00

5x5-Inch, Each, No. 1. $0.80

5x5-Inch, Each, No. 2. $0.65

Handle, any size, each. $0.30

Handle Links or Knuckles. $0.25

Iron Connection for drive wells, fitted for 1½-inch and 1½-inch iron pipe. $1.00

Extra Iron Spout, with brown collar. $0.40

Extra Wood Spouts, each. $0.15

Extra Spout Braces, each. $0.10

Extra Bands, each. $0.10

Extra Ear or Brackets, Nos. 35 and 36. $0.40

Extra Splice Straps, per pair. $0.25

Extra Frost Fittings, each. $0.10

Plunger Rod, per foot. $0.03

Plunger Leathers, per dozen. $0.35

Tubing.

4x4 12 feet long and under, per foot. $0.19

4x4 over 12 feet long, per foot. $0.21

6x6 extension tubing, per foot. $0.50

Cylinder Block, Porcelain-lined, 3 ft. long. $3.00

Cylinder Block, Porcelain-lined, 4 ft. long. $4.50

Cylinder Block, Porcelain-lined, 6 ft. long. $5.00

Cylinder Block, Porcelain-lined, 8 ft. long. $5.00

Less 30 per cent. Retail.
BUCKEYE FORCE AND LIFT IRON PUMPS.

Water Elevator and Purifier.

Purifies by means of oxygen forced into water.

Price: Elevator, with 25-foot chain and japanned bottom wheel for 10-foot cistern, $8.25.

Same with 20-foot chain for 12-foot cistern. $7.25.

Extra chain, 15c. per ft.

IRON PUMP CYLINDERS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Iron</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x 10</td>
<td>$5.00</td>
<td>$1.50</td>
<td></td>
</tr>
<tr>
<td>3 x 12</td>
<td>6.00</td>
<td>3.10</td>
<td></td>
</tr>
</tbody>
</table>

Brass Lined.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x 12</td>
<td>8.50</td>
</tr>
<tr>
<td>3 x 14</td>
<td>10.25</td>
</tr>
</tbody>
</table>

Brass Body.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x 12</td>
<td>8.50</td>
</tr>
<tr>
<td>3 x 14</td>
<td>9.25</td>
</tr>
</tbody>
</table>

Force and Lift Iron Pumps.

Fig. 14. No. 201—3½ Foot Single-Acting, Set Length, for wells under 25 feet deep; 3½ inch Brass Lined Cylinder. Fitted for 1¼ inch pipe; 7 inch casing well. List price $14.00. Retail price $9.00.

Price, List, $14.00; Retail, $9.00.

Fig. 14. No. 215—Deep Well Force Pump, for wells from 30 to 70 feet deep; 3 inch Brass Lined Lower Cylinder; 6 inch stroke; Fitted for 1½ inch pipe. List price $15.00. Retail, $9.50.

Fig. 14. No. 315—Deep Well Force Pump, for wells from 30 to 60 feet deep; 9 inch stroke; 2½ inch Brass Lower Cylinder. List $17.00; Retail $10.75.

Fig. 14. No. 315—Similar to the above except it has 3 inch Brass Lined Lower Cylinder. For wells up to 50 feet. List, $16.00; Retail, $10.25.

Fig. 56. No. 330—Deep Well Force Pump, with Windmill Head, for wells from 30 to 70 feet deep; with 3-way cock, 2½ inch Brass Lower Cylinder; 6 to 9 inch stroke, with 1 inch air chamber and discharge pipe. List, $20.50. Retail, $13.00.

Fig. 1308—Well Lift and Force Pump; is adapted for deep or shallow wells. Bearer top allows no side wear. Tight top and large air chamber provided with pet cock, making it a lift or force pump at will. Base and brace adjustable. Reversible lever, Spout bolted on, fitted for 2 inch hose, Opening at back of spout for 1 inch pipe. Brass body cylinder with brass valve seat. Drip plug actuated by rod and handle at base.

Deep-well arrangement is accomplished by lowering cylinder with pipe connected and lengthening plunger rod. When so ordered we can furnish Fig. 1308 with Compression Cock on spout at $2.50 extra list.

Fig. 1308, Sizes, Prices, etc.

No. 2, Cylinder, 2½ x 14 inch, Stroke, 10 inch. Capacity per stroke, 213 gal. Suction, 1¼ in. pipe. Brass Body Cylinder, Discharged, 1½ pipe, 3½ inch hose. Wells, 60 to 85 feet. List price, $17.00. Retail price, $10.00.

Fig. 1309.—Same pump, but with Compression Cock. List price, $19.50. Retail price, $14.50.

Closed Top, Pitcher Spout Pump.

SIZES AND PRICES.

No. 1—Diam. of Cylinder, 2½ in.; Suction, 1¼ in. Polished Iron Cylinder. List, $4.25. Retail, $4.15.

No. 2—Diam. of Cylinder, 3 in.; Suction, 1½ in. Polished Iron Cylinder. List, $4.75. Retail, $4.25.

No. 3—Diam. of Cylinder, 3½ in.; Suction, 1¾ in. Polished Iron Cylinder. List, $5.25. Retail, $4.35.

PITCHER PUMP LEATHERS.

No. 1—Valve and Plunger Leathers, each .......... 5c.

No. 2—Valve and Plunger Leathers, each .......... 8c.

No. 3—Valve and Plunger Leathers, each .......... 10c.

No. 1—2½ in. Leather Cups, ..10c.

No. 2—3 in. Leather Cups, ..12c.

No. 3—3½ in. Leather Cups, ..15c.
THE IXL GALVANIZED STEEL CURBS.

It will not rust, being made out of No. 24 Gauge Galvanized Steel.
It will not rot or accumulate filth, and leaves the water clear and pure.
It is anti-freezing, as the reservoir piece has a small hole in same, which allows the water to run out.
It can be used in wells as deep as 40 feet.

PRICES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galvanized Curb</td>
<td>$3.00</td>
</tr>
<tr>
<td>Tubing, per foot</td>
<td>.07</td>
</tr>
<tr>
<td>Coupling</td>
<td>.18</td>
</tr>
<tr>
<td>Rubber Buckets</td>
<td>.08</td>
</tr>
<tr>
<td>Iron Platform</td>
<td>4.00</td>
</tr>
<tr>
<td>Chain, per lb</td>
<td>.07</td>
</tr>
</tbody>
</table>

THE GEM GALVANIZED STEEL CHAIN PUMP

Has extension base, which also projects below platform, and is easily fitted by cutting a square hole in the platform the length and the width of the bottom of pump.
The fixtures are first-class and anti-freezing.
The pump is painted stone-color, with two coats of the best paint, and is neatly stenciled and varnished.
Made entirely of galvanized steel, in four pieces, locked together with its own metal.
There are neither rivets nor solder on it, making it very strong.
Price ........................................... $2.50

FORCE TANK PUMP.

LOW DOWN. DOUBLE ACTING.
Capacity 2,000 gallons per hour. Fitted for hose and 2-inch pipe. Handle can be changed to opposite end.
The cylinder being horizontal, great strength is gained.
Cylinder, 5 in. diameter; 5 in. stroke; 2-in. opening for suction and discharge.
Plunger is solid; no valves to get out of order, and moving it in cylinder forms suction, which fills cylinder and at same time drives water out at other end. Then, on return stroke, this water is driven out and cylinder is refilled from other end.
Will throw water 60 feet from point of nozzle.

Victor Expansion Rubber Bucket.

IXL Rubber Bucket.

For chain pumps; anti-freezing.
Price ........................................... 10c.

House Force Pump.

Fig. 1355.
Designed for use in basements for forcing water into an elevated tank. Has 3-inch brass-lined cylinder, with metal valves, brass piston rod and brass valve seats.
The suction and discharge openings screwed for iron pipe are on both sides of cylinder, one or both sides can be used if necessary, or two pipes can be run from pump, one to supply water at pump, the other to run to tank in another part of building.
Floor space 8×24 in., and will work with pressure up to 100 lbs.
The valves are easily accessible by unscrewing caps on top of pump; 3-inch cylinder.
List price, $16.00.
Retail price, $12.00.

Fig. 1465—Pump with Strainer Hose.
Couplings and Clamps ............... $7.00
1-inch Discharge Hose, per foot .... 20
2-inch Suction Hose, per foot ...... 40
### PRICE LIST

<table>
<thead>
<tr>
<th>Item</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Truck with 1½&quot; tires</td>
<td>$10.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>Water Truck and Barrel</td>
<td>14.00</td>
<td>8.00</td>
</tr>
<tr>
<td>Water Truck and Box</td>
<td>14.00</td>
<td>8.00</td>
</tr>
<tr>
<td>Water Truck, Barrel and Box</td>
<td>18.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Sprinkling Attachment</td>
<td>5.00</td>
<td>3.25</td>
</tr>
<tr>
<td>Leaf Racks</td>
<td>8.00</td>
<td>4.50</td>
</tr>
<tr>
<td>New Barrel</td>
<td>4.50</td>
<td>2.75</td>
</tr>
<tr>
<td>Box</td>
<td>4.00</td>
<td>2.75</td>
</tr>
<tr>
<td>Trunnions—List, per pair</td>
<td>75c</td>
<td>Retail per pair 50c.</td>
</tr>
<tr>
<td>For 2½-inch Tires on Trucks add to the above price—List</td>
<td>$1.50</td>
<td>Retail $1.00.</td>
</tr>
<tr>
<td>For 4-inch Tires on Trucks add to the above price—List</td>
<td>$3.00</td>
<td>Retail $2.00.</td>
</tr>
</tbody>
</table>

### EXTRA TRUCK WHEELS

<table>
<thead>
<tr>
<th>Item</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular tire, wood or steel, each</td>
<td>$3.50</td>
<td>$2.25</td>
</tr>
<tr>
<td>2½-inch tire, wood or steel, each</td>
<td>4.50</td>
<td>2.75</td>
</tr>
<tr>
<td>4-inch tire, wood each</td>
<td>5.00</td>
<td>3.00</td>
</tr>
<tr>
<td>3½-inch tire, steel, each</td>
<td>6.00</td>
<td>3.00</td>
</tr>
</tbody>
</table>

### BALTIMORE PUSH CART

**Fig. 7.**

**DIMENSIONS.**

<table>
<thead>
<tr>
<th>Width of Tire</th>
<th>Height of Wheel</th>
<th>Axle</th>
<th>Hub</th>
<th>BOX</th>
<th>SIDE MEASURE</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½ inches</td>
<td>36</td>
<td>1½</td>
<td>6</td>
<td>18</td>
<td>10</td>
<td>36</td>
<td>22</td>
<td>10</td>
</tr>
</tbody>
</table>

**For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. They are nicely finished; higher wheels, better ironed and altogether superior to anything of its kind on the market. There is now an immense demand for these carts, but notwithstanding we have placed the price low.**

**PRICES.**

<table>
<thead>
<tr>
<th>Item</th>
<th>Retail</th>
<th>List</th>
<th>Extra wheels, each—List</th>
<th>$4.00</th>
<th>Retail</th>
<th>$2.50</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$7.50</td>
<td>$13.00</td>
<td>$13.00</td>
<td>$4.00</td>
<td>$2.50</td>
<td></td>
</tr>
</tbody>
</table>
Whitman & Barnes Line Lawn Mowers

"New Norka" Lawn Mower
9-INCH WHEEL.

Regular.
12 in. $3.00
14 in. 3.25
16 in. 3.50
18 in. 3.75

Ball Bearing.
14 in. $4.25
16 in. 4.50
18 in. 4.75

The pawl and pinion attachment has been thoroughly tested and is beyond question one of the best to be obtained. The Ratchet Clutch being cast solid with the pinion, there are no extra pieces to break or to get out of order.

"NEW ELECTRIC" MOWER

Wheels 9 inches in diameter. Reel 5½ inches in diameter. Four blades. Special Ball-Bearing Adjustment, high-grade hardened steel balls, cups and cones, ground, polished and dust-proof. Reel Shaft of Cold Rolled Steel and the Reel Knives are from the best grade Knife Steel, perfectly ground. Regular, Ball Bearing.
12 in. $4.00 16 in. $4.50 12 in. $5.00 16 in. $5.50
14 in. 4.25 18 in. 4.75 14 in. 5.25 18 in. 5.75

"NEW DIAMOND" LAWN MOWER

Regular. Ball Bearing.
14 inches... .86.00 14 inches... .87.00
16 inches... 6.50 16 inches... 7.50
18 inches... 7.00 18 inches... 8.00
20 inches... 7.50 20 inches... 8.00

A strictly first-class, high wheel, adjustable reel Lawn Mower. It is built very strong and cannot be jarred out of adjustment. The castings have long hubs, through which an 11-16 in. solid steel shaft is passed and secured by set screws.

"W. & B." High Wheel Mower

Absolutely rigid frame; cutter bar adjustment; phosphor bronze bearings; three pawl ratchet, insuring quick, positive action, and practically indestructible. Wheels 10 inches. Reel 5½ inches.

Regular. Ball Bearing.
14 in. $7.50 16 in. $8.00
15 in. $8.50 15 in. $9.50
16 in. 8.50 20 in. 10.50
16 in. 9.50 20 in. 11.50

This very high grade machine will cut fine grass two inches high, also grass six to eight inches. We highly recommend this machine.

List Retail
15 inches. $25.00 $11.25 19 inches. $31.00 $14.00
17 inches. $28.00 $12.00 21 inches. $34.00 $15.25

Keystone Ball Bearing

Every detail of this Mower is in keeping with the high grade of the Pennsylvania and Continental. Can be regulated to cut from 6 to 18 inches from the ground.

List Retail
List Retail
15 inches. $25.00 $10.00 19 inches. $31.00 $12.40
17 inches. $28.00 11.25 21 inches. $34.00 13.00

Pennsylvania High Wheel Mower

This high-grade Mower is constructed for cutting ordinary grass, as well as grass from 6 to 10 inches high. Wheel, 10½ inches; cylinder, 6¼ inches. Four crucible steel knives.

List Retail
List Retail
15 inches. $25.00 $10.00 19 inches. $31.00 $14.00
17 inches. $28.00 11.25 21 inches. $34.00 15.25

Philadelphia High Wheel Style E

A high grade machine. One of the best of this make.

15-inch. List price, $25.00 Retail price, $9.00
17-inch. List price, $28.00 Retail price, $10.00
19-inch. List price, $31.00 Retail price, $11.00
21-inch. List price, $34.00 Retail price, $12.00
Old Style Philadelphia Horse Lawn Mower.

This Mower with the solid (or closed) revolving cutter has four blades, and is the original Philadelphia Horse Mower. In ordering, please designate it with open or closed cylinder.

<table>
<thead>
<tr>
<th>Size</th>
<th>List Price</th>
<th>Retail Price</th>
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</thead>
<tbody>
<tr>
<td>30 in. (open)</td>
<td>$100.00</td>
<td>$70.00</td>
</tr>
<tr>
<td>30 in. (closed)</td>
<td>100.00</td>
<td>70.00</td>
</tr>
</tbody>
</table>

Special Discount for Cash.

Philadelphia I. X. L. Horse Lawn Mowers.

<table>
<thead>
<tr>
<th>Size</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 in., with draft rod</td>
<td>100.00</td>
<td>75.00</td>
</tr>
<tr>
<td>35 in., complete with shafts and seat</td>
<td>125.00</td>
<td>70.00</td>
</tr>
<tr>
<td>40 in., with shafts and seat</td>
<td>150.00</td>
<td>75.00</td>
</tr>
</tbody>
</table>

Special Discount for Cash.

A singletree and chain attachment will be furnished for $2.00 net if wanted. If used must be attached to the ends of the side draft attachment, for the draft rod will bend if attached in center.

Philadelphia Eagle Horse Mower

The latest production of the Philadelphia Lawn Mower Co. in horse mowers, and, in our opinion, one of the best machines they ever produced.

<table>
<thead>
<tr>
<th>Size</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-in., with seat and shafts and draft pole</td>
<td>List price</td>
<td>100.00</td>
</tr>
<tr>
<td>35-in., with seat and shafts and draft pole</td>
<td>List price</td>
<td>125.00</td>
</tr>
</tbody>
</table>

Universal Grass Catcher

A Grass Catcher that will fit any mower. Canvas body, blacked sheet metal bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16-inch mower, and No. 2 will fit 16, 18 and 20-inch mower. List price per dozen. $1.50

Our special price each... $0.75

Golf Roller Mower

Peculiarly adapted for use on Golf and Tennis Grounds. The heavy iron roller, together with the speed of the revolving knife produces the very best results in cutting the grass. The adjustments are simple and the durability and efficiency beyond question.

<table>
<thead>
<tr>
<th>Size</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-inch</td>
<td>$13.00</td>
<td>$9.10</td>
</tr>
<tr>
<td>12-inch</td>
<td>15.00</td>
<td>10.50</td>
</tr>
<tr>
<td>14-inch</td>
<td>17.00</td>
<td>11.90</td>
</tr>
<tr>
<td>16-inch</td>
<td>19.00</td>
<td>13.20</td>
</tr>
<tr>
<td>18-inch</td>
<td>21.00</td>
<td>14.70</td>
</tr>
<tr>
<td>20-inch</td>
<td>23.00</td>
<td>16.10</td>
</tr>
</tbody>
</table>

For 6 Blades add to list $1.00.

For retail add 75c.

Golf Roller Mower

The patented horse attachment of the Mower is its great feature. The draft of the Mower is just the same as when operated with the handle. Diameter of traction wheels, 10 inches; weight, 90 pounds.

Price: $18.00

Special Discount for Cash.

Golf Roller Mower

The patented horse attachment of the Mower is its great feature. The draft of the Mower is just the same as when operated with the handle. Diameter of traction wheels, 10 inches; weight, 90 pounds.

Price: $18.00

Special Discount for Cash.

The Baltimore Horse Lawn Mower is guaranteed to be equal to any machine made. In order to appreciate its good points it is necessary to see it at work on the lawn, where it performs in a most satisfactory manner.

2-inch Machine, with draft rod.... Retail Price, $40.00. List Price, $65.00.
2-inch Machine, with draft rod.... Retail Price, 60.00. List Price, 100.00.
2-inch Machine, shafts and seat.... Retail Price, 65.00. List Price, 110.00.
2-inch Machine, shafts and seat.... Retail Price, 77.50. List Price, 135.00.

Special Discount for Cash.

The Pennsylvania Horse Lawn Mower.

Furnished with handles and draft irons, the latter arranged to swing to the side, thus permitting the horse to walk on the cut grass.

30-inch cut. Weight, 255 lbs. 4 knives. List, $100.00. Retail, $65.00.
36-inch cut. Weight, 400 lbs. 4 knives. List, 130.00. Retail, 85.00.
For shafts, seat and footboard, add. List, $20.00; Retail, $12.00

Combination Hand and Pony Mower

The patented hand attachment of the Mower is its great feature. The draft of the Mower is just the same as when operated with the handle. Diameter of traction wheels, 10 inches; weight, 90 pounds.

Price: $18.00

Special Discount for Cash.

Universal Grass Catcher

A Grass Catcher that will fit any mower. Canvas body, blacked sheet metal bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16-inch mower, and No. 2 will fit 16, 18 and 20-inch mower. List price per dozen. $1.50

Our special price each... $0.75

Universal Grass Catcher

A Grass Catcher that will fit any mower. Canvas body, blacked sheet metal bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16-inch mower, and No. 2 will fit 16, 18 and 20-inch mower. List price per dozen. $1.50

Our special price each... $0.75

Universal Grass Catcher

A Grass Catcher that will fit any mower. Canvas body, blacked sheet metal bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16-inch mower, and No. 2 will fit 16, 18 and 20-inch mower. List price per dozen. $1.50

Our special price each... $0.75
**Lawn Mower Repairing and Sharpening.**

Send in your lawn mowers early for sharpening and repairing. This department, in season, is run to its full capacity, and in consequence we are compelled to adopt the policy of first come first served. We wish to urge upon our friends the necessity for complying with the above request, and if they do not one need have to wait while the grass is growing.

Look over your machines during the winter (this applies to other kinds of machinery as well as lawn mowers), and see what repairs are needed. Do not wait until spring work is crowding you. We employ efficient mechanics to do our machine repairing, and turn out jobs in the best possible manner and as expeditiously as the quality of the work will admit. To properly sharpen a lawn mower requires someone who thoroughly understands his business, and even though it may be properly sharpened, unless it is adjusted to a hair it will not cut. After we turn out a machine it should be severely let alone, and if it does not cut send it back to us, and do not attempt to adjust it yourself. There is no mower that leaves our shop that is not adjusted to cut tissue paper, and if it does not do the work satisfactorily it is owing to hard usage before reaching its destination. The cheap machines that are flooding the market are made of cheap material and will wear only a short while, and can rarely be repaired at all.

---

**Lawn Swings**

**The Arctic**

Made from selected stock, very strong. Chairs have three adjustments. Footrest can be raised level with the seats to form a hammock. Can adapt height of seats for children. Two and four passengers.

<table>
<thead>
<tr>
<th>List Retail</th>
<th>Price</th>
<th>Footrest</th>
<th>Four Passenger</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arctic two passenger</td>
<td>$10.00</td>
<td>$6.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four passenger</td>
<td>13.00</td>
<td>8.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**The Champion Swing**

Two and four passenger; built of hardwood.

<table>
<thead>
<tr>
<th>List Retail</th>
<th>Price</th>
<th>Footrest</th>
<th>Four Passenger</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two passenger</td>
<td>$3.00</td>
<td>$5.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four passenger</td>
<td>10.00</td>
<td>7.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We carry cheap Swings. Prices on application.

---

**ARCTIC Swinging Chair.**

The Latest Design for a Swinging Chair Yet Produced.

It occupies on the porch floor a space about six feet long by three feet wide and about six feet high. It is made of the most substantial material, the best of dry hardwood and steel arms and braces, an arch of steel tubing. It is provided with footrest, adjustable for children or adults.

List price | $6.00 |
Special price | $3.00 |

---

**Baltimore Lawn Settees.**

This most comfortable Lawn Seat is illustrated herewith. It is attractive and gives plenty of room. Just the thing for parks, porches, picnic grounds, hotels, cemeteries, etc.

Painted bright red and varnished.

<table>
<thead>
<tr>
<th>List price</th>
<th>Our special price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four feet</td>
<td>$5.50</td>
</tr>
<tr>
<td>Five feet</td>
<td>$6.50</td>
</tr>
</tbody>
</table>

---

**"Links-Lawn" Boot.**

Is fastened firmly to the hoof instead of around the ankle, thus giving free action to the horse's feet and obviating all possibility of chafing. Our process of hardening, water-setting, and steel-riveting the sole inside and out (see cut) gives a durability never before obtained in a lawn boot. The rolling toe prevents the cutting of the turf.

**WIDTH INSIDE.**

| No. 2 | 5 1/4 inches |
| No. 4 | 6 1/2 inches |
| No. 6 | 7 1/2 inches |

The right sizes for Nos. 2, 4 and 6 horses. No. 9 Mule and No. 1 Pony. Special sizes to order.

**WIDTH INSIDE.**

| 4 inches | 4 1/2 inches |

List price $15.00; our price $9.00 per set.

---

**LITTLE WONDER SWING.**


For a cheap swing it has no equal. All slats bolted to frame—no rivets. Size 36 inches between arm rails.

List price | $5.00 |
Special retail price | $3.00 |

---

**LOW-DOWN PORCH SWING.**

The swing has an adjustable footrest that may be placed at the proper height to suit the children, and it is so perfectly balanced that the smallest child can operate it.

The back of the swing may be adjusted to any desired position. Without being thrown back and footrest raised, and with the addition of robes and cushions, it makes a most comfortable swinging couch.

**OUR SPECIAL PRICE.**

<table>
<thead>
<tr>
<th>Two-passenger swing</th>
<th>List price</th>
<th>Retail price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four-passenger swing</td>
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</tr>
</tbody>
</table>

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All prices subject to change without notice.
# Lawn and Field Rollers

## The Baltimore Horse Lawn Roller

This Roller is furnished with seat. We furnish this Roller in two sizes. No. 16 and 17. No. 16 (sec cut) has 26-in. steel rim, 4 feet, one section, one horse; weight 735 lbs. No. 17 has 24-in. steel rim, 4 feet, two sections, one horse, weight 425 lbs.

<table>
<thead>
<tr>
<th>Section</th>
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<tr>
<td>One</td>
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<tr>
<td>Two</td>
<td>$40.00</td>
<td>$23.00</td>
<td></td>
</tr>
</tbody>
</table>

## Baltimore Wood Stave, 2-Horse Land Roller, No. 1

The rim of this roller is made of hard lumber, well seasoned and selected stock, made to fit into the edges of the pressed steel head. By this construction the edges of the rim are protected by sheet steel edges of the head. The whole is held together by three long bolts running lengthwise on the inside of the roller. By so doing the steel heads are clamped together, instead of the pieces being bolted to the head. It is equipped with steel end and center hanger, low hitch, and removable rolled bearings. The axle extends through the roller sections.

<table>
<thead>
<tr>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$33.00</td>
<td>$29.00</td>
</tr>
</tbody>
</table>

## Imperial Pulverizer, Clod Crusher, Roller and Leveler

List Price: $95.00. Special Retail Price: $36.00.

**SPECIAL DISCOUNT FOR CASH.**

## The Baltimore Hand Lawn Roller

These rollers are especially desirable; they will not dent; wet grass and dirt do not cling to them, owing to their highly polished surface and rivetless ends. Have counterbalance, which holds up the handle and makes it easy to push.

<table>
<thead>
<tr>
<th>No.</th>
<th>Width (in.)</th>
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<td>12</td>
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<td></td>
<td>$27.50</td>
<td>$22.50</td>
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</table>

We can furnish the above rollers to weigh 50, 100 or 150 pounds more than the weights given, for which add 4c. per lb.

## Baltimore Steel Rim, 2-Horse Land Roller, No. 2

The illustration shows the construction of our 24 and 26-inch, 8-foot 2-section steel-rim Roller, with steel spring and seat. It is one of the most popular rollers.

The heads are pressed steel with removable chilled bearings. It also has center hanger and low hitch.

## Cast-Iron Field Rollers

**FULL ASSORTMENT OF SIZES. Prices on application.**

### Old Dominion Seed Drill


This Drill is of a type familiar to every market gardener in the country. The points that we claim are simplicity, quality of material, finish, and the thoroughly satisfactory way it does its work.
NEW UNIVERSAL GARDEN TOOLS.

Matthews' New Universal Garden Drill.

ONE OF THE STANDARD DRILLS OF AMERICA.

The Seeding Device.

This implement is the same in style and working qualities as the one just described, but is arranged so as to drop the seed continuously in drills or at a distance of 4, 4.5, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw in attaching a brass cut-off to the agitator. The distance apart is regulated by the number of cogs on the driving wheel against which the agitator strikes. The seed cannot drop except when the hole in the bottom of seed-box is opened by the agitator striking a cog on the wheel, and it immediately closes again as the agitator drops. This saves seed, as no more need be dropped at a time than is desired, no matter what the distance may be. There are no parts to wear or get out of order. If this implement is wanted we suggest the "Hill and Drill Seeder," as the regular garden drill cannot be fitted with the attachments. Our retail price, $7.00. List price, $9.00.

Matthews' New Universal Hill and Drill Seeder.

This is not only a desirable combination of the Garden Drill already described with the New Universal Cultivating Attachment, but it has the advantage of being either a double wheel or single wheel implement at will, the change from one to the other being readily made.

The use of a one-wheel seed sower is economical under work, as in this case are used an obstruction under one wheel or the other has a tendency to crook the rows, and this makes after-cultivation harder. The operator always uses a one-wheel seeder under full control, and in addition the single wheel follows the mark made when planting the previous row and preserves a right to keep the rows straight. The two wheels are desirable, however, when used as a cultivator or wheel hoe, as in this way the row of young plants may be straddled and the cultivating done on both sides of the row at one pass. The special feature of this implement is that when used in straddle row cultivation there is no projection below the frame to interfere with plants. The combination is one which cannot fail of recommending itself to all. The attachments are—One (1) Pair Hoe, Five (5) Cultivator Teeth, One (1) Pair Rake, One (1) Pain Pois.

Can be used at one wheel or two wheels.

The Marker

is of a less expensive pattern, but such as is generally employed on other drills for which a higher price is asked. It may be set for the various distances, and is thrown from side to side, being pivoted between the handles.

New Universal Gem Seed Drill.

It has a new seed regulator for gauging the exact flow of seed required; seed cut-off for stopping the flow while turning at the ends of rows, and marker adjuster for marking the rows at any desired distance apart. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent will find this to be a very valuable implement.

Retail Price, $3.00
List Price, $5.00
TO WORK BOTH SIDES of a row at one passing, the attachments can be set to suit width of crop to be cultivated, keeping row midway between wheels. THE HOE BLADES can be set to turn in or out, as desired by the operator.

THE CULTIVATOR TEETH.—Four are furnished with each. Two cultivator teeth can be used at desired width to mark out rows. THE PLOWS.—For furrowing they can be set close together and turn outward. FOR COVERING, set the width desired, and turn inward. THE RAKES.—For fine cultivation and other uses of an ordinary rake. They can be set angling or straight across. Easily adjustable for width or depth. THE LEAF GUARDS are to prevent wheels from injuring large spreading foliage.

1 Pair Hoes, 1 Pair Narrow Cultivators. 
1 Pair Rakes, 1 Pair Wide Cultivators. 
{ OUR RETAIL PRICE, $5.50. } Specially designed for working both sides of the row at one passing.

HIGH ARCH EXPANSION WHEEL HOE, CULTIVATOR RAKE AND PLOW.

This is a larger implement than the Double Wheel Hoe just described, and high enough to cultivate over 20-inch plants. Can be used as a One Wheel as well as a Two Wheel Hoe Cultivator teeth. Instead of 4. List, $6.50 Retail, $8.00.

DOUBLE WHEEL HOE, With Hoe Blades Only

Retail price, $.80. List price, $.15. No. 15

“FLIER” HAND SINGLE WHEEL HOE, CULTIVATOR AND PLOW No. 2.

Retail Price, $4.25. List Price, $5.00.

This implement is same as our regular Single Wheel Hoe, except that at this price fewer attachments are furnished. They are; 1 Pair Hoes, 3 Cultivator teeth, 1 Large Plow. If this style is wanted, be sure and order the "FLIER."
No. 18. IRON AGE SEED DRILL.
One of the Lightest, Strongest and Most Reliable Seed Drills on the Market.
Price $6.00.
No. 17. Same tool with the addition of the cultivating tools.
Price $9.00.

NEW MODEL
SEED DRILL.

The Seeder Adjustment in the New Model is accomplished by use of a slide with a pear shaped opening passing under the bottom of the seed reservoir, which is provided with a perforation of similar shape in a reversed position. This size can be instantly adjusted to size indicated by index or to a hair's breadth variation.

The names of the principal seeds are plainly shown on the index. The flow of seed can be instantly stopped by a swinging cut-off. This cut-off prevents all loss of seed.

Price, $7.50.

IRON AGE WHEEL PLOW.

A tool needed in every kitchen garden for breaking ground, opening furrows, ridging up, covering and plowing.

Also an excellent tool for poultry men in turning under the droppings in poultry yards.

Price, $4.50.

EUREKA SEEDER.

Have You a Hot-Bed?
It's the only machine suited to sow in a hot-bed.

Sows up close to the sides in very straight rows.

Sows the smallest packet of seeds as well as a large bulk.

Price,..............$1.00

The Baltimore Single Wheel Garden Cultivator.
Price, without rakes...$4.00
Price, with rakes......4.50

This Cultivator has a new device for expanding and contracting, which permits the operator to set the machine instantly in any desired width. It is furnished with various attachments used for harrowing, furrowing and covering.

Price, without rakes, $5.00. Price, with rakes, $5.50.
MALLEABLE RALES

No. 010 M—10-tooth, single shank... 25c. each.
No. 012 M—12-tooth, single shank... 35c. each.
No. 014 M—14-tooth, single shank... 39c. each.
No. 016 M—16-tooth, single shank... 42c. each.
No. 018 M—18-tooth, single shank... 45c. each.
No. B 08—12-tooth, braced shank... 25c. each.
No. B 10—14-tooth, braced shank... 39c. each.
No. B 12—16-tooth, braced shank... 42c. each.
No. B 14—18-tooth, braced shank... 45c. each.
No. 1—Solid steel, turf edger... 50c. each.
No. 9—Steel thistle dock cutter... 50c. each.

No. 211 HARVEST RAKE

This rake takes the place of the old style wood rake with wood or wire bars. Ash head, ten Hickory teeth, a combined malleable brace and socket and a good handle. The malleable brace is fastened to the rake head with two rivets and two extension lugs that grip around the rake head.
"Kretsinger" Cut easy Hoe.

Do you see that edge?

Kretsinger Cut-Easy Hoe.

This is the finest Hoe made. Cuts easy, sells easy. Try it.

K 1—Kretsinger Socket Hoe.......................... 65c.
K 2—Kretsinger Shank Hoe.......................... 60c.

Scuffle Hoes

4 inches, English........50c.
6 inches, English........60c.
8 inches, English........70c.
10 inches, English........80c.
No. X, G. S. Brace or Shank Scuffle Hoe, 8-in. Steel Blade, with Handle............50c.

See also Page 54.

Cotton Hoes

No. 127—7 in. Handled Cotton Hoe.................. 40c.
No. 127½—7 in. Handled Cotton Hoe.............. 45c.
No. 128—8 in. Handled Cotton Hoe................ 50c.

GARDEN HOES

Each.

No. G 02—Solid Steel Garden Socket Hoe, XX Handle, .45c.
No. G 2—Solid Steel Garden Shank Hoe, XX Handle, .40c.
No. 30—Solid Steel Lady's Shank Hoe, XX Handle, .30c.
No. 30—Two Point Solid Steel Weed Hoe, .30c.
No. I P—Sharp Point Steel Blade Weed Hoe, .25c.

PLANTER HOES

No. 107—Heavy Handled Planter Shank Hoe, 7-inch blade.................. .50c.
No. 107½—Heavy Handled Planter Shank Hoe, 7½-inch blade............. .50c.
No. 107—Heavy Handled Planter Shank Hoe, 8-inch blade............. .60c.

WARREN HOE.

Very useful in making rows and weeding onions, Hilling, drilling and weeding, covering seeds, etc.

W. 7—Polished Steel Garden.......................... 60c.
W. 7½—Polished Steel Field.......................... 75c.

Crescent Double-Bit Hoe

No. 70—Crescent Double-Bit Hoe, Blades 3½ in. and 7 in.......................... .50c.

ICE HOOKS.

No. G L—2 ft. Handle, Strapped ferrule............. .50c.
No. G L—3 ft. Handle, Strapped ferrule............. .50c.
No. G L—3 ft. Handle, Strapped ferrule............. .50c.

RAKE HANDLES.

List price, Retail price
No. X—5 ft. $1.50 $ .15
No. X—6 ft. $2.00 $ .15

SHEOVEL HANDLES.

No. X—L.H. $3.00 $ .20
No. X—L.H. $3.50 $ .25

SPROUTING HOES.

No. 6½—Heavy Handled Sprouting Hoe, 4½-in. blade, special temper........... .80c.

HEAVY HANDLE MATTOCK HOE.

Sharp pointed like a pick at one end, mattock at the other.

EUREKA WEEDEARS.

No. E—Short Handle.......................... 25c.
No. E—Long Handle.......................... 35c.

GIBBS' POST-HOLE DIGGER.

Digs faster, works easier than any other on the market. All parts are steel. Makes a hole of any desired diameter. First-class for tree planting.

Price.......................... $1.75

STEEL SOLID HANDLE POST SPADE.

Flattened at one end like a spade. The other end is sharpened and can be used as a mattock. Light, durable, effective, cheap.

Price.......................... $2.00.
SHOVELS, SPADES, PICKS, ETC.

HOLLOW BACK SHOVELS.—Carbon Steel.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>241</td>
<td>Oriole—Long Handle, Round Point Shovels, Size No. 2</td>
<td>50c.</td>
</tr>
<tr>
<td>242</td>
<td>Oriole—Long Handle, Round Point Shovels, Size No. 1</td>
<td>50c.</td>
</tr>
<tr>
<td>243</td>
<td>Oriole—D Handle, Square Point Shovels, Size No. 2</td>
<td>50c.</td>
</tr>
<tr>
<td>244</td>
<td>Oriole—D Handle, Square Point Shovels, Size No. 1</td>
<td>50c.</td>
</tr>
<tr>
<td>245</td>
<td>Oriole—D Handle, Eastern Pattern or Coal Scoop, Size No. 2</td>
<td>70c.</td>
</tr>
<tr>
<td>246</td>
<td>Oriole—D Handle, Eastern Pattern or Coal Scoop, Size No. 1</td>
<td>70c.</td>
</tr>
<tr>
<td>247</td>
<td>Oriole—D Handle, Western Pattern or Grain Scoop, No. 2</td>
<td>65c.</td>
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<td>248</td>
<td>Oriole—D Handle, Western Pattern or Grain Scoop, No. 1</td>
<td>65c.</td>
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HOLLOW BACK SCOOPS.

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<td>Oriole—D Handle, Square Point, Round Point Shovels</td>
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<tr>
<td>252</td>
<td>Oriole—D Handle, Round Point Shovels, Size No. 2</td>
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<td>253</td>
<td>Oriole—D Handle, Round Point Shovels, Size No. 1</td>
<td>50c.</td>
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<td>254</td>
<td>Oriole—D Handle, Square Point Shovels, Size No. 3</td>
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<td>255</td>
<td>Oriole—D Handle, Square Point Shovels, Size No. 4</td>
<td>65c.</td>
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SNOW SHOVELS. Long Handle, Steel Socket....50c.

PICKS, MATTOCKS AND GRUB HOES.

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<th>Description</th>
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<td>No. 1—5 lb. Best Quality Warranted Steel Mattock</td>
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<tr>
<td>Nos. 1 and 2—Warranted Steel Grub Hoe</td>
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<td>No. 1—31⁄2 lb. Best Refined Iron Grub Hoe (Steel Bit)</td>
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<td>No. 2—4 lb. Best Refined Iron Grub Hoe (Steel Bit)</td>
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<tr>
<td>No. 1—5 lb. Best Quality Warranted Steel Railroad Picks</td>
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<td>No. 2—6 to 7 lb. Best Refined Iron Railroad Picks (Steel Point)</td>
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PICK AND MATTOCK HANDLES.

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<tbody>
<tr>
<td>No. XX—Best Quality, Selected, Second Growth Hickory Pick Handles</td>
<td>25c</td>
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<tr>
<td>No. X—Good Quality White Hickory Pick Handles</td>
<td>20c</td>
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<tr>
<td>No. 1—Good Quality White and Red Hickory Pick Handles</td>
<td>15c</td>
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</tr>
<tr>
<td>No. 2—Mixed White and Red Hickory Pick Handles</td>
<td>15c</td>
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AXES.

In Axes we carry the best lines only. We aim to sell only those we know to be first-class in every respect and that have an established reputation. Retail prices.

G. & T. Celebrated Axes.............Each 75c.
Beatty's Hatchets, Half Pattern and No. Shingling............Each 60c.

AXE HANDLES. Each.

<table>
<thead>
<tr>
<th>Description</th>
<th>Each</th>
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<tbody>
<tr>
<td>No. X—Extra Selected Second Growth, all White Hickory Axe Handles</td>
<td>25c.</td>
</tr>
<tr>
<td>No. 1—Selected White Hickory Axe Handles</td>
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<tr>
<td>No. 2—White and Red Hickory Axe Handles</td>
<td>15c.</td>
</tr>
<tr>
<td>No. 3—White and Red Hickory Axe Handles</td>
<td>12c.</td>
</tr>
</tbody>
</table>
CAHOON'S BROADCAST SEED SOWER.

FOR SOWING CLOVER, TIMOTHY, MILLET, OATS, WHEAT, HEMP, BARLEY, RYE, RICE, BUCKWHEAT, ETC.
STANDARD SEDERS OF THE WORLD—A MODEL FOR ACCURACY AND DURABILITY—MALLEABLE IRON FRAME—
STEEL HOPPER AND GATE—BRASS DISCHARGER.

Factory Price, $3.50. Our Special Price, $3.00 Cash With Order.

CROWN WHEELBARROW GRASS SEEDER.

Made with wood or steel frame, with wire rope feeder; very strong, and will sow accurately the various clovers, timothy, etc. Furnished in either 14 or 16-foot lengths.
Price, 14-foot, $6.00. 16-foot, $6.25.

THOMPSON'S CLOVER AND GRASS SEEDER.

SOWS 14 TO 16 FEET WIDE, ANY AMOUNT DESIRED PER ACRE.
WILL SOW 20 TO 25 ACRES PER DAY.

No. 1—Complete Clover and GrassSeeder, the most popular style. 14-foot, $6.00. 16-foot, $6.25.
No. 2—Complete Seeder, with Double Hopper, cuts Red Top, Orchard Grass, Blue Grass, Lawn Grass, as well as Clover. 14-foot.......................... $8.00

MANILLA ROPE FEEDER.

Although this machine has been much improved and simplified in recent years, yet the same general principles which characterized it when sold for from $10.00 to $12.00 each are still retained. It differs materially and very advantageously from all other Sowers in having a sloping feedboard with an oblong hopper which terminates in a metal edge, on which edge oscillates a feed plate which does not allow the seed to become clogged, but makes a positive force feed and insures a uniform flow and even distribution of seed. Anyone desiring a convenient, practical and an all-round first-class grain and grass sower, a good large sower that will meet the most exacting demands, we cannot recommend the CYCLONE too highly. Price, $1.50.

The CHICAGO SEEDER, like the CYCLONE, is a strictly first-class machine and will do equally well the same amount and kind of work. In fact, the machines are very similar, and what has been said of one as to quality and convenience is true of the other, as they differ only in the manner of operation, the CYCLONE operating with a crank and the CHICAGO with a backward and forward movement of a steel bow through a swivel guide. This machine is sometimes called the Piddle Seeder. The CHICAGO has few wearing parts, is not liable to get out of order and is generally recognized by the trade as the best Bow Seeder made. Price, $1.25.

National Broadcast Seed Sower.

It will sow wheat, rye, oats, rice, flax, millet, turnip seed, clover seed, grass seed, including light grasses; in fact, all kinds of seed, broadcast. Also plaster, fertilizer, salt, ashes, etc.

Price............................................. $1.50

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
OLIVER REPAIRS.

Mouldboards.

<table>
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<tr>
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LANDSIDES.

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HANDLES.

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SHOES.

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HANGING COUNTERS.

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<tbody>
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<td></td>
</tr>
<tr>
<td>B and B.1</td>
<td>$4.00</td>
<td></td>
</tr>
<tr>
<td>B and B.1</td>
<td>$4.50</td>
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ROLLING COUPLERS.

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<tbody>
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</tr>
<tr>
<td>B and B.1</td>
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<td></td>
</tr>
<tr>
<td>B and B.1</td>
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OLIVER COMBINATION PLOWS.

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</thead>
<tbody>
<tr>
<td>A2</td>
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OLIVER SPECIAL PLOWS.

<table>
<thead>
<tr>
<th>No.</th>
<th>A1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>$25.00</td>
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OLIVER HILLSIDE PLOWS.

<table>
<thead>
<tr>
<th>No.</th>
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<tbody>
<tr>
<td>A2</td>
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JOINTS.

<table>
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<tr>
<th>No.</th>
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<tbody>
<tr>
<td>A2</td>
<td>$25.00</td>
<td></td>
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</table>

COMBINATION PLOW REPAIRS.

<table>
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<tr>
<th>Numbers</th>
<th>Steel</th>
<th>Brake</th>
<th>Mouldboard</th>
<th>Brackets</th>
<th>Shims</th>
<th>Lever</th>
<th>Spring</th>
<th>Landside</th>
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<tr>
<td>31</td>
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BOILTS.

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<tbody>
<tr>
<td>A2</td>
<td>$25.00</td>
<td></td>
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</tbody>
</table>

Note.—A Clevis, Wrench and an extra share are included in prices for Plows fitted with Cast Shares, but wheels and jointers are not.
Oliver Steel Beam Plows.

Climax Steel Plows.

<table>
<thead>
<tr>
<th>CLIMAX</th>
<th>EXTRAS.</th>
<th>Points</th>
<th>Lands</th>
<th>Moulds</th>
<th>Beams</th>
<th>Hands</th>
<th>Wood</th>
<th>Beam</th>
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<tbody>
<tr>
<td>Pony</td>
<td></td>
<td>$0.25</td>
<td>$0.15</td>
<td>$0.05</td>
<td>$0.85</td>
<td>$0.60</td>
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<tr>
<td>A. O.</td>
<td></td>
<td>$0.17</td>
<td>$0.12</td>
<td>$0.11</td>
<td>$0.07</td>
<td>$0.05</td>
<td>$0.15</td>
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</tr>
<tr>
<td>B. O.</td>
<td></td>
<td>$0.12</td>
<td>$0.09</td>
<td>$0.05</td>
<td>$0.07</td>
<td>$0.05</td>
<td>$0.15</td>
<td></td>
</tr>
<tr>
<td>C. O.</td>
<td></td>
<td>$0.06</td>
<td>$0.04</td>
<td>$0.05</td>
<td>$0.07</td>
<td>$0.05</td>
<td>$0.15</td>
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</tr>
<tr>
<td>D. O.</td>
<td></td>
<td>$0.06</td>
<td>$0.04</td>
<td>$0.05</td>
<td>$0.07</td>
<td>$0.05</td>
<td>$0.15</td>
<td></td>
</tr>
</tbody>
</table>

Note extremely low prices on plows and parts compared with cast plows.

PONY.—Light 1-horse, 2-in. cut, wood beam. Very popular. Price, with extra steel point, weight 37 lbs. $2.50
A. O.—1-horse, 8-in. cut, wood beam, price with extra steel point, wt. 41 lbs. $3.00
B. O.—1-horse or light 2-horse, 3-in. cut, wood beam. Designed for either stubble or light soil, doing both kinds of work in the most satisfactory manner. Very light draft. Price, with extra steel point, wt. 43 lbs. $2.50
C. O.—2-horse, 10-in. cut, wood beam. Price with extra steel point, wt. 83 lbs. $4.25
D. O.—2-horse, 11-in. cut, wood beam. It turns its furrow slice perfectly. Price, with extra steel point, wt. 116 lbs. $5.25

NAGLEY’S TRANSPLANTING MACHINE. PRICE, $55.00

This transplanter has been fully tested on all kinds of soil, and can be operated and worked satisfactorily on any ground or on which you wish to transplant tobacco, cabbage, celery, tomatoes, etc.

The Automatic Check Valve Device is furnished with all Machines, but a Continuous Stream is Always Recommended. Directions—Keep heavy oil on check valve. Use martingales or breeching when hitches transplanter.

1st. Prepare your ground in good condition.
2nd. Regulate the pressure iron so that the right pressure is attained on loose or heavy soil.
3rd. The raising or lowering the rollers regulates the depth the plow should run in the ground.
4th. Adjust the footboards for the dropper boys’ comfort.
5th. The two dropper boys set plants in the heel of the plow alternately.
6th. Drive horses slow and regular, and in a short time the boys can do good work.
7th. If you have short and long plants, transplant the long ones, then lower the packers for the short ones.
8th. The water is regulated by turning the upper faucet.

All the strong features of the Oliver Wood Beam are incorporated in the Steel Beam plow. Light draft is one of its strong points. Sowing in all kinds of soil is another equally valuable requisite.

We cannot too highly recommend the Oliver Steel Beam Plow. It makes friends wherever sold.

<table>
<thead>
<tr>
<th>Price</th>
<th>Shares, lands and moulds, same price as</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. B. &amp; R.</td>
<td>$7.00</td>
</tr>
<tr>
<td>No. 50 &amp; L</td>
<td>$7.50</td>
</tr>
<tr>
<td>No. 10.</td>
<td>$9.00</td>
</tr>
<tr>
<td>No. 15.</td>
<td>$9.50</td>
</tr>
<tr>
<td>No. 20.</td>
<td>$10.00</td>
</tr>
<tr>
<td>No. 25.</td>
<td>$10.50</td>
</tr>
</tbody>
</table>

WRITE FOR SPECIAL PRINTED MATTER ON SULKY AND GANG PLOWS

Masters RAPID PLANT SETTER.

All Kinds of Plants, Such as Cabbage, Tobacco, Tomatoes, Cauliflower, Strawberries, Sweet Potatoes, Sugar Beets, etc.

The only hand Mechanical Plant Setter on the market, is built on scientific principles throughout. Its conical jaws are made of heavy sheet steel and the main body or water reservoir and plant tube of heavy tin plate. The water valve is of brass with rubber packing. The valve rod and trip spring are of steel wire; thumb button and other fittings are also steel. The machine is well put together with rivets and socket and should last for years.

PRICE, EACH, $3.75

TESTIMONIALS.

The Masters Planter I purchased last season worked very satisfactorily, and have obtained better results from the plants set out by your machine than from those planted by hand with season.

F. E. Wright
Fork, Md., May 27, 1905.

We have used the Masters Plant Setter and we find it a great labor saver. We cheerfully commend it to be as represented.

Fred. and George Davos,
Barley, Md.
GRiffith & TUrner Co.

Chattanooga Chilled Plows.

Steel Beam, Low Front.

Cut represents two and three-horse plow.

**PRICES**

**CHATTANOOGA PLOWS AND EXTRAS.**

<table>
<thead>
<tr>
<th>No.</th>
<th>1-Horse, Wood Beam</th>
<th>1-Horse, Steel Beam</th>
<th>Very Light 2-Horse, Steel Beam</th>
<th>Light, 2-Horse, Steel Beam</th>
<th>Medium, 2-Horse, Steel Beam</th>
<th>Heavy, 2-Horse, Steel Beam</th>
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</thead>
<tbody>
<tr>
<td>62</td>
<td>5x9</td>
<td>5x9</td>
<td>8x10</td>
<td>8x12</td>
<td>10x12</td>
<td>12x14</td>
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<tr>
<td></td>
<td>$16.50</td>
<td>$14.00</td>
<td>$16.00</td>
<td>$18.00</td>
<td>$20.00</td>
<td>$24.00</td>
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</tbody>
</table>

Rolling Coulters, complete $3.00; Wheels, complete $1.00; Jointers, complete $2.00; Bolts for Shares, Landsides, Moulds, etc. $1.00; Rear Beam Bolts on 1-Horse Plows, etc. $1.00. All other Beam Bolts 10c.

---

**Chattanooga One-Horse Plows**

The one-horse plows as priced below are a little different from design shown in catalogue. The No. 72 is the factory's latest pattern.

**PRICES:**

<table>
<thead>
<tr>
<th>No.</th>
<th>62 - Wood Beam</th>
<th>65 - Steel Beam</th>
<th>72 - Steel Beam</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>$24.50</td>
<td>$32.50</td>
<td>$37.50</td>
</tr>
</tbody>
</table>

---

**THE CHATTANOOGA-HANCOCK DISC PLOWS, FOR TWO, THREE AND FOUR HORSES.**

They are made on the same frame and act on the same principle, and what is said about the single disc pertains to the other. It is only a matter of number of horses, IF 100 pounds are added to the draft of the single it will cover the double. It will be seen the difference in draft is comparatively slight.

We guarantee our Disc Plow to do good work, not only in hard, dry and sticky ground, but to do good work in any fallow ground, either clean or trashy; in short, to be good anywhere, at any time, except turf land, and when plowing can be done.

**Disc Plow Extras.**

In ordering extras always be sure to give name or number, or send the piece to be duplicated or a correct drawing. Attention to this seemingly small matter will avoid delay.

**PRICES.**

<table>
<thead>
<tr>
<th>Each</th>
<th>Disc box bolt</th>
<th>$10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. D 101 disc box</td>
<td>1.50</td>
</tr>
<tr>
<td></td>
<td>No. D 102 disc holder or journal</td>
<td>1.50</td>
</tr>
<tr>
<td></td>
<td>No. D 143 tongue bracket</td>
<td>1.50</td>
</tr>
<tr>
<td></td>
<td>No. D 144 R. H. quadrant, 1901 style</td>
<td>1.50</td>
</tr>
<tr>
<td></td>
<td>No. D 139 hub washer, outside</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>No. D 137 wedge</td>
<td>2.25</td>
</tr>
<tr>
<td></td>
<td>No. D 137 malleable wrench</td>
<td>9.25</td>
</tr>
</tbody>
</table>

Other extras not named on this list can be furnished on application. Do not keep them in stock.

---

**Points of Merit:**

1st. Low front, similar to Steel Pattern Plows; will not collect trash.
2d. Handle not bolted to mould, but to standard and brace that is attached to beam, thus preventing breakage of many moulds.
3d. Braces or rod between landside and mould, giving additional strength where it is most needed, making plow absolutely rigid.
4th. Special bolts which will not turn and can be readily taken out. All the base bolts are alike and interchangeable; only one kind necessary to keep on hand.

---

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
**Hampton No. 1 C or Jersey and Attachments.**

With every Hampton No. 1 C Plow is sent three extra moulds and one extra share and wrench, as follows:

- **No. 1 B**, Fig. 3: in cut—A regular one-horse mouldboard used on all regular No. 1 plows.
- **Cabbage**, Fig. 2: in cut, smaller than No. 1 B—Particularly adapted to the second cultivation of all crops.
- **Truck**, Fig. 1: in cut—A small mouldboard suitable for the early cultivation of all truck. All of above are included in the price, $4.00

**Fig. 7 in cut—Cutter or sod land point.** $5.50
**Fig. 8 in cut—Potato-digging attachment.** $4.00

**HAMPTON BOY.**

Price, with truck and mouldboard, wrench and point. $2.50

**HAMPTON No. 1 REGULAR.**

This style is similar to the Boy, but larger. Attachments are: Track mouldboard, point and wrench. Price, complete. $5.00

**HAMPTON No. 5.**

This is a medium two-horse plow, very light draft, and scours thoroughly. Front wheel and jointers furnished when desired extra. Price, plain plow. $5.75

Liberal discount to the trade. Casting on all Hampton Plows... 5c. per lb.

---

**Malleable Clevises**

**No. 3525. A. & F.**

- **No. 3500.**
  - 2 in. beam; 5% in. extreme length; 3 in. from center of wrench to end of beam. Patent wrench. For use on Girl Champion and similar cast plows. Price... 15c.

---

**The Hampton Cast Plows.**

---

**PLOW HANDLES.—Not Finished.**

**FOR CAST PLOWS**

- **No. 3490.**
  - 2 in. beam; 6½ in. extreme length; 5% in. from center of wrench to end of beam. Patent wrench. For use on Southern cast plows. Price... 15c.

---

**MALLEABLE PLOW LINKS.**

**END CLEVIS, OR SHACKLE.**

- **No. 3645.**
  - 3 in. long, 2½ in. wide. Price... 5c.

---

**No. 3515 A.**

- 2 in. beam; 9½ in. from center of wrench to center of pin; 6½ in. extreme length. For use on Hampton Boy and Hampton No. 1 Plows. 20c.

---

**No. 3525 A.**

- 2½ in. beam; 7½ in. from center of wrench to center of pin; 6% in. extreme length. For use on No. 5 F. P. and similar cast plows. Price... 20c.

---

**No. 3555 B.**

- 3 in. long, 2½ in. wide; 3 in. extreme length. Price... 10c.
# Repairs for Roland Chilled Plows

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Shares.</td>
<td>Lands.</td>
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<tr>
<td>13</td>
<td>&quot;</td>
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<td>.50</td>
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<tr>
<td>10</td>
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<td>&quot;</td>
<td>.50</td>
</tr>
<tr>
<td>16</td>
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<td>20</td>
<td>&quot;</td>
<td>2 or 3 Horse</td>
<td>.75</td>
</tr>
<tr>
<td>24</td>
<td>L. H.</td>
<td>2 Horse</td>
<td>.75</td>
</tr>
<tr>
<td>25</td>
<td>&quot;</td>
<td>&quot;</td>
<td>.75</td>
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<tr>
<td>51</td>
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<td>&quot;</td>
<td>.75</td>
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# Repairs for Syracuse Plows

## Wood Beam Chilled Plows

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## Repairs for Syracuse Contractors Plows

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<td>$3.25</td>
<td>$2.50</td>
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## Repairs for South Bend Plows

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<td>62</td>
<td>Solid</td>
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<tr>
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<td>&quot;</td>
<td>&quot;</td>
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<tr>
<td>16</td>
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<td>20</td>
<td>&quot;</td>
<td>&quot;</td>
<td>$1.50</td>
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<tr>
<td>24</td>
<td>L. H.</td>
<td>2 Horse</td>
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<tr>
<td>25</td>
<td>&quot;</td>
<td>&quot;</td>
<td>$1.50</td>
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<td>$1.50</td>
</tr>
<tr>
<td>51</td>
<td>&quot;</td>
<td>&quot;</td>
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# Extras for Iron Beam Syracuse Plows

### Extras for Steel Beam Syracuse Plows

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</tr>
<tr>
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<td>$0.60</td>
<td>$1.00</td>
<td>$0.80</td>
<td>$0.50</td>
<td>$0.50</td>
<td>$0.50</td>
<td>$0.50</td>
<td>$0.50</td>
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<tr>
<td>21</td>
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<td>$0.50</td>
<td>$0.50</td>
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</tr>
</tbody>
</table>

Jointers, complete, $2.00. Wheels, complete, $1.00. Rolling Coulters, $3.50. Handles, single, all numbers, 50c each. Other extras not named here can be furnished; price on application. Standing Coulters, $2.00. Slip Points, each 5c.
PLow DOUBLETREES
IN SETS, THREE SIZES.

No. 9—For light plowing in moss soil, length 32 inches and 28 inches; factory list, dozen sets .......... $36.00.

Our special price, per set, $3.00.

No. 3—For regular plowing in clay soil, length 36 inches and 30 inches; factory list, dozen sets .......... $28.00.

Our special price, per set, $3.25.

No. 2—For extra heavy plowing, street making, etc., length 36 to 32 in. and 30 to 28 in.; factory list, dozen sets .... $31.00.

Our special price, per set, $4.25.

SINGLETREES FOR ABOVE, PAT. No. 107.

24 inches; factory list, dozen, $8.00. Our special price, 67c. each.

STEEL FARM WAGON DOUBLETREES
IN SETS COMPLETE
PATTERN No. 102.

No. 2—Capacity 4,000 pounds; evener, 46 to 48 inches; Singletrees, 33 to 34 inches; factory list, dozen sets, $63.00. Our special price, per set, $6.25.

No. 2—Capacity 7,000 pounds; evener, 43 to 45 inches; Singletrees, 34 to 37 inches; factory list, dozen sets, $72.00. Our special price, per set, $6.00.

TRIPLE TREES FOR WALKING OR SULKY PLOWS.
Prices furnished on application, f. o. b. factory. Not carried in stock.

SPECIAL DISCOUNT FOR CASH ON
ALL THE ABOVE TUBULAR GOODS.

SETS OF WELDED CLIPS.

CLIPS FOR DOUBLETREES.

Our No. 36, Factory No. 77—Southern; one 3%-in. Center Clip and Hook welded, with 2%-in. hook and two 2%-in. End Clips, welded, as used on our 26-in. Southern Doubletrees. List, $1.30. Set, 25c. Dozen Sets, $2.50.

Our No. 36 and 46, Factory No. 76—Pennsylvania; one 3%-in. Center Clip and Hook, welded, with 2%-in. hook and two 2%-in. End Clips, welded, as used on our 36 and 40 inch Heavy Pennsylvania Doubletrees. List, $3.30. Set, 35c. Dozen Sets, $5.50.

CLIPS FOR SINGLETREES.

Our No. 26, Factory No. 75—One Center 2%-inch Clip, welded, and two 2%-inch End Clips, welded, with 5-16 inch Hooks, as used on our 28-inch Singletrees. List, $2.10. Set, 15c. Dozen Sets, $1.25.

Our No. 30, Factory No. 74—One Center 9-16 Inch Clip, welded, and two 2-16 inch End Clips, welded, with 5-16 Inch Hooks, as used on our 30 and 32-inch Heavy Singletrees. List, $3.00. Set, 20c. Dozen Sets, $1.50.

Our No. 34, Factory No. 73—One Center 3%-inch Clip, welded, and two 2-16 inch End Clips, welded, and 3%-inch Hooks, as used on our 34 and 36-inch Heavy Singletrees. List, $3.20. Set, 25c. Dozen Sets, $2.25.

U SINGLE, DOUBLE AND TRIPLE TREES.

The lightest and strongest Steel Trees on the market. Hook is so constructed that the trace will not unhook.

STEEL FARM WAGON NECK YOKES—Pattern No. 103.

No. 1—38 inches; factory list $15.00. Our special price $12.50 each.

No. 3—40 inches; factory list $20.00. Our special price $17.00 each.

WOOD NECK YOKE.

No. 6, IRONED COMPLETE.

Price 75c.
Standard Manure Spreader.

513.

**STANDARD FEATURES.**

It is more than a spreader; pulverizes thoroughly and distributes uniformly; strongest and least complicated; spreads full width, 3 feet 6 inches; special beater and hood insure full width spreading; successful rake prevents spreading in hunches; has a combined end gate and hood; no confusing work for driver; one motion of one lever puts entire machine in operation; apron returned by team; long, comfortable seat and footboard; lever easily reached and handled by hoy; the Standard Spreader always under driver's control; load feeds to screen just as desired, as apron is always locked and feed positive; no racing of apron on inclines or hillside; lever at seat changes feed instantly; has six changes of feed; unusually simple and positive feed device; can temporarily stop spreading without stopping team; two apron chains to prevent binding on sides of frame; strongest frame and box construction; only spreader with three rear shafts entire width, no stah shafts to cramp gears; strongest wheel; longest wheel hub; easy draft; front truck under box; team close to load; narrow front truck; no whipping of pole; free rolling on lime or appr. Ordinary chains of entire load; successful chain tighter box; easy to load; heavy axles; just trucks need. The criticism to end gates is that they bind on load and are very difficult to lift and that they serve no purpose excepting as an end gate. The Standard end gate is made of steel and moves away from load about an inch before raising, so that there is no contact with the load.

The end gate not only lifts easily, but, when raised, forms a hood over beater to prevent the load being thrown into air and blown into windows. This hood is another reason why the Standard can spread full width and uniformly.

**Axes.**—We use 1 15-16 inch front axle and 2 1-16 inch high carbon cold rolled steel axle in rear.

**Wheels.**—The Standard has the strongest wheel used on any spreader. Front wheels 30 inches; rear wheels 52 inches. Tires 3, 4 or 5 inches. Our felloes and spokes are unusually heavy and our wheel hub is about an inch longer than others. This prevents dishing of wheel and cramping of gears and lessens draft.

**SIZES AND EQUIPMENT.**

40-bushel, with Two-Horse Everner, 3-inch front tire, 4-inch rear tire...$110.00

50-bushel, with Two-Horse Everner, 4-inch front tire, 4-inch rear tire...$115.00

70-bushel, with Combined Two and Three-Horse Everner, 4-inch front tire...$125.00

4-inch rear tire...

All Boxes 4 feet 6 inches Wide on Inside.

**EXTRAS.**

Five-inch Tire on rear wheels; Drill Attachment for spreading in rows, $8.00; Brake for hilly country, $5.00; Three-Horse Everner for 40 or 50 bushels, $4.00; Traction Band for front or rear; Hood for spreading lime, $5.00.

**The Baltimore Lime and Ash Spreader.**

This is a strong and substantial machine, with spreading capacity of from 15 to 80 bushels to the acre. The quantity can be regulated at the will of the operator. The wheels are 4½ feet high. It has six feeds and will spread 7½ feet wide. The box or hopper is fitted with a powerful agitator, which breaks up the lime. The machine is fed on a distributing board or shaker, which can be set at different elevations, and this, in turn, determines the distribution of the lime evenly and regularly. The lime falls but a few inches, thus avoiding dust to either driver or horses. If the wind is very strong an apron can be tacked, if desired. In front of the hopper, ordinary lamps passing through the attachment will not interfere with the sowing. We also furnish an extra cap and large wheel, whereby fertilizers of every description and plaster can be sewn in quantities as low as 300 pounds per acre, and, if course, 250 pounds per acre. Hopper holds 18 bushels lime. Price...$75.00

Special Price for Cash. $60.00

**Single Row Fertilizer Distributor.**

**FURNISHED WITH SCORING SHOVEL.**

To open the row, and at the same time distribute the fertilizer evenly; also a rear shovel to mix the fertilizer with the soil, which is very important. Price complete...$14.00

**Baltimore Pea and Fertilizer Drill.**

The agitator is new, being of steel in the form of two knife-shaped arms sweeping around under the mass of the fertilizer and throwing it upon the revolving disc below. A shut-off has lately been added, whereby the waste of fertilizer is stopped when turning at ends of rows. As shown in cut, loops are bolted to frame for the purpose of attaching a horse. Excellent for sowing fodder corn or ensilage.

Price...$6.00

**Fertilizer, Lime and Ash Distributor.**

This Fertilizer Distributor will sow evenly fertilizer, Paris Green, etc. The machine is easily operated. The lever on the rear throws the machine in and out of gear. The lever on the left side changes the feed to a small quantity for sowing, even Paris Green, and will sow as much as 8000 pounds of fertilizer per acre.

<table>
<thead>
<tr>
<th>SIZES</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1-Distributor, 3 feet 6 inches...</td>
<td>$30.00</td>
</tr>
<tr>
<td>No. 2-Distributor, 4 feet 8 inches...</td>
<td>$36.00</td>
</tr>
<tr>
<td>No. 3-Distributor, 5 feet 10 inches...</td>
<td>$42.00</td>
</tr>
<tr>
<td>No. 4-Distributor, 8 feet 2 inches...</td>
<td>$48.00</td>
</tr>
</tbody>
</table>

Those persons who use unsifted lime can order extra screen, which is a little larger than the box.

Price...$4.00

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
Baltimore Garden Barrow

No. 4, MEDIUM SIZE or MAN'S BARROW.
Inside measurement of box 26 inches long, 18½ inches at wheel end, 24 inches wide at handle end, 12 inches deep. Has 21-inch wheel, 6 or 8 spokes, 1½-inch tread, 1½-inch gudgeon. Painted green or blue. Bottoms matched and glued. Nicely painted and striped. Packed for export, one dozen measure 6 cubic feet. Price $4.50.

No. 5, LARGE SIZE or MAN'S BARROW.
Inside measurement of box 28 inches long, 20 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has 25-inch wheel, 6 or 8 spokes, 1½-inch tread, 1½-inch gudgeon. Finished as above. Packed, measure 8 cubic feet. Price $4.00.

Special Home Made Pattern Garden Barrow

The Baltimore Canal Barrows

Full-sized tray, edges shared, bolted to legs, and well bolted and braced in front. Handles and legs of selected hardwood; wheels painted. Furnished in both wood and steel wheel. Price wood wheel, $2.50. Price steel wheel, $2.75.

The Plain Bolted Canal Barrows

Ordinary size; belt tray; legs bolted to handles and well braced. Furnished with wood or steel wheel.
Price, wood wheel........$2.00  Price, steel wheel........ 2.25

Southern Steel Tray Barrow

Wood Frame Solid Pressed Steel Tray Barrow

A 4—Tray 16 gauge, steel; capacity 3 cubic feet; weight 58 pounds; wheel 17 inches diameter; tire, 1½-inch, eight spokes, shoulder and riveted; axle 14 inch. For moving earth, ashes and light work. Price, $5.00.
B 5—Tray 14 gauge, steel; capacity 5 cubic feet; weight 75 pounds; mounted on same frame and wheel as A 4. For general purposes and light running. It will stand hard usage. Price, $6.75.

Coal and Mortar Barrow.

Top is iron banded, strongly braced and bolted; has large capacity. Price, wood wheel...........$3.50  Price, wood wheel........... 3.75

Wood Frame Solid Pressed Steel Tray Barrow

Style D.

Recommended when a very cheap and light Barrow is wanted.
Price $3.25

The wheel is 17 in diameter; eight 1½-inch spokes, shoulder and riveted; tire, 1½-inch, axles, 9-16 and 11-16 in, and runs in an iron bearing. It is well braced throughout. Weight, 50 lbs. Price, $4.50. Price of Extra Trays:
For Extra Wheels.......... $1.50
For Extra Barrows........ $1.25

Special Discount for Cash.

Steel wheels for Canal Barrows A, B, D and Style D, each.......... 1.25
For Canal Barrow, wood........ 1.00
For Canal Barrow, steel........ 1.25
Price of Extra Trays:
For Style D.. .......... $2.50
For A 4.................. 2.50
For B 5.............. 3.00
For No. 10 Coal and Coke.. 5.00

102  GRIFFITH & TURNER CO.
Baltimore Store Truck.

List Price: $4.00
Retail Price: $2.00

New York Pattern.
Half Strapped | Full Strapped
List Retail | List Retail | List Retail | List Retail
---|---|---|---
No. 0 | $4.40 | $6.05 | $6.30 | $7.00
No. 1 | $4.60 | $6.25 | $6.35 | $7.15
No. 2 | $5.10 | $7.80 | $7.25 | $8.00
No. 3 | $6.00 | $8.60 | $8.50 | $9.50
No. 4 | $10.00 | $13.60 | $11.00 | $12.10
No. 5 | $13.50 | $18.10 | $15.50 | $16.80

New York Pattern—Sizes.

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>4&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>No. 2</td>
<td>4&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>No. 3</td>
<td>5&quot;</td>
<td>16&quot;</td>
</tr>
<tr>
<td>No. 4</td>
<td>6&quot;</td>
<td>20&quot;</td>
</tr>
</tbody>
</table>

Baltimore Store Truck.

List, Height, Face, Hub, Bore, Retail Price.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>No. 0</td>
<td>4%</td>
<td>3%</td>
<td>2%</td>
<td>.54</td>
</tr>
<tr>
<td>No. 1 and 2</td>
<td>7%</td>
<td>6%</td>
<td>4%</td>
<td>.67</td>
</tr>
<tr>
<td>No. 3</td>
<td>12%</td>
<td>11%</td>
<td>9%</td>
<td>1.02</td>
</tr>
<tr>
<td>No. 4 and 5</td>
<td>17%</td>
<td>15%</td>
<td>13%</td>
<td>1.50</td>
</tr>
<tr>
<td>Heavy</td>
<td>20%</td>
<td>18%</td>
<td>15%</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Improved Four-Wheel Platform Truck.

For Canning House, Railroad Stations, and Warehouse. Cheap, strong, and well made.

<table>
<thead>
<tr>
<th>Size</th>
<th>Diam.</th>
<th>Diam.</th>
<th>Weight</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>3x5 ft</td>
<td>3 in</td>
<td>120 lbs</td>
<td>$25.00</td>
<td>$15.00</td>
</tr>
<tr>
<td>No. 2</td>
<td>3x5 ft</td>
<td>4 in</td>
<td>200 lbs</td>
<td>$5.25</td>
<td>$11.15</td>
</tr>
</tbody>
</table>

Cotton Trucks.

List | Retail
---|---
No. 3 | $9.00 | $5.40
No. 4 | $11.00 | $6.60
No. 5 | $13.50 | $8.10

Length Width at Diameter

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Width</th>
<th>Diameter</th>
<th>Handles</th>
<th>No.</th>
<th>Length</th>
<th>Width</th>
<th>Diameter</th>
<th>Handles</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4&quot;</td>
<td>10&quot;</td>
<td>15&quot;</td>
<td>21&quot;</td>
<td>3&quot;</td>
<td>74 lbs</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>4</td>
<td>5&quot;</td>
<td>10&quot;</td>
<td>17&quot;</td>
<td>23&quot;</td>
<td>4&quot;</td>
<td>100 lbs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>6&quot;</td>
<td>10&quot;</td>
<td>20&quot;</td>
<td>24&quot;</td>
<td>5&quot;</td>
<td>135 lbs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

New York Barrel Trucks.

List | Retail
---|---
No. 1 | $7.00 | $4.25
No. 2 | $9.00 | $5.40
No. 3 | $12.50 | $7.50

Length Width at Diameter

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Width</th>
<th>Diameter</th>
<th>Handles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4&quot;</td>
<td>12&quot;</td>
<td>17&quot;</td>
<td>7&quot;</td>
</tr>
<tr>
<td>2</td>
<td>5&quot;</td>
<td>14&quot;</td>
<td>20&quot;</td>
<td>9&quot;</td>
</tr>
<tr>
<td>3</td>
<td>6&quot;</td>
<td>16&quot;</td>
<td>23&quot;</td>
<td>11&quot;</td>
</tr>
</tbody>
</table>

Plain Platform Truck.

We are prepared to quote special prices on Trucks of every description. If you want anything special write us for prices.


<table>
<thead>
<tr>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>4.00</td>
</tr>
<tr>
<td>No. 3</td>
<td>2.65</td>
</tr>
</tbody>
</table>

Can furnish Special Trucks at lowest prices; also Truck Wheels. Write for prices.

Solid Pressed Steel Tray Coal and Coke Barrow No. 10.

One-piece tubular steel frame extending around in front of wheel. Frame strongly braced and well ironed. Tray of best quality steel, with wired edge. Size No. 10. Gauge of steel in tray 12; length of top of tray, 18 inches; width of top of tray, 33 inches; depth of wheel, 12 inches; depth at handle, 6 inches; capacity, 6 cubic feet; weight, 110 pounds. Price $3.00.

Straight Handle Stone Barrow.

Strong, well made, iron strapped over bottom, and well bolted together. Handles, 6 feet long; legs, 12 inches long; bottom, 12 1/2 inches; thickness of tray, 4 1/2 inches; length; of tray, 33 inches long; dash, 10 inches high; weight, 64 pounds. Price $3.50.

Baltimore Push Cart.

For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is easier in one's place, and always ready to pick up at short notice. They are nicely finished; higher wheels, better ironed and altogether superior to anything of its kind on the market. There is now an immense demand for these carts, but notwithstanding we have placed the price lower.

Prices.

<table>
<thead>
<tr>
<th>Retail</th>
<th>$7.50 Extra wheels each</th>
<th>Retail</th>
<th>$2.85</th>
</tr>
</thead>
<tbody>
<tr>
<td>List</td>
<td>$13.00</td>
<td>List</td>
<td>$4.60</td>
</tr>
</tbody>
</table>
**HENCH & DROMGOLD'S**

**Improved Walking or Riding Spring Tooth Lever Harrow on Wheels.**

The original standard lever wheel harrow of the world. Depth easily and quickly regulated by the levers; wheels prevent teeth from gouging. By use of ratchets and levers 15 inches can be worn up teeth before renewing. It is pivoted in the center, and can be uncoupled in a moment without the use of bolts or split keys, and can then be used as a one-horse harrow, which makes it quite convenient, either half being adjusted with perfect ease.

**SLED RUNNER SPRING TOOTH LEVER HARROW.**

The runner form of frame allows the Harrow to run steadily and smoothly, and permits the teeth always to work at a uniform depth.

**WOOD FRAME, SPRING TOOTH HARROW.**

(IRON CLAD.)

This is without doubt one of the best float harrows on the market. It is particularly desirable in clod ground, as it combines a clod-crusher and spring-tooth harrow, the frame being iron-plated underneath and in front, so that it crushes the clods at the same time the teeth stir up the ground, and the frame prevents it sinking too deep. Bolt heads fully protected. Teeth cannot get loose.

---

**SPECIAL POINTS FOR HARROW TEETH.**

Write for Prices.

---

**WOOD FRAMES ONLY, WITH REGULAR LINING, BUT WITHOUT TEETH.**

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-tooth</td>
<td>$6.00</td>
</tr>
<tr>
<td>18-tooth</td>
<td>$6.50</td>
</tr>
<tr>
<td>20-tooth</td>
<td>$7.00</td>
</tr>
<tr>
<td>22-tooth</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

Special Discount for Cash.

---

**HENCH & DROMGOLD'S ALL STEEL FRAME, SPRING TOOTH HARROW.**

In the Ratchet Tool Holder, as shown in the cut, the tooth is securely clamped between two malleable ratchet clips, which engage with the ratchet frame clips, and is held firmly and securely by one bolt to each tooth, on which it rotates as on a pivot. By this arrangement, if the teeth are worn off or cut off as much as 15 inches, they can be set to run as deep as when new. It is so hinged that either side can be raised straight up or at right angles, for passing stumps or trees.

Special Discount for Cash.

---

**15-tooth harrow, without seat. $16.00**

**17-tooth harrow, without seat. $17.00**

**19-tooth harrow, without seat. $18.00**

**21-tooth harrow, without seat. $19.00** (If seat is wanted, price will be $1.25 extra.)
The cut represents the DAISY CULTIVATOR, with vent losses for use similar to the DAISY ON WHEELS. This Cultivator has the same ratchet holder as will be found on all of this make of Harrows. It is built with 6 or 8 teeth, but can be used with 4, 5, 7 or 8 teeth, as desired. By simply unbolting the two outside teeth of the 6-tooth Cultivator it can be used with 4 teeth, and by taking out the middle tooth on the right-hand side and setting the rear tooth in the center it makes a 4-tooth Cultivator.

Price of 6-Tooth Cultivator with wheel... $5.50
Price of 8-Tooth Cultivator, with wheel... $9.50
Price of 10-Tooth Cultivator, with wheel... $10.00
Price of 12-Tooth Cultivator, with wheel... $12.75

ADJUSTABLE SPIKE TOOTH LEVER HARROW

50-tooth, 2 sections, $11.50; 60-tooth, 2 sections, $12.75; 75-tooth, 3 sections, $17.25; 90-tooth, 3 sections, $19.00.

Special Discount for Cash.

This Harrow has a frame of I beam steel, bars of "U"-shaped steel, well braced and securely fastened at each end to the frame. This gives the Harrow a double advantage, strength and rigidity, and as a guard against catching into trees and stumps. The teeth are of diamond shape steel. The runners are formed by the curved tooth extension, which are placed so that the Harrow will free itself from trash better and will carry the Harrow more easy distance from the ground than any other Harrow on the market. The teeth are held firmly by a welded eye steel bolt through the clip making the teeth firmly held, and also the end teeth on the roller bars, which locks and holds the frame firmly together. Each tooth cuts its own course, and can be raised or lowered as desired, and with the lever the teeth can be set to any pitch or cut desired.

STEEL "U" BAR LEVER HARROW.

A HIGH-GRADE SPIKE-TOOTH HARROW.

This style of Cultivator is precisely the same as either half of the regular Spring Tooth Wheel Harrow, with the addition of handles. It is an admirable implement for use with one horse in working crops in rows. We can furnish anyone having the regular Harrow a set of handles and braces, and they can be attached to either half. The front wheel is pivoted, and will draw with ease after the horse, causing it to draw straight. The wheels guide it and cause it to run steady, and each tooth will cut its own way. For turning at the ends the teeth can be raised by the use of the lever, and is very easy to operate. The frame is made of "U" beam steel; the rollers or bars are also of steel, the castings being malleable, and the best steel used in our teeth make it one of the most durable and complete Cultivators or small Harrows ever offered to the public. We solicit your patronage.

RETAIL PRICE.
7-Tooth... $9.50
10-Tooth... $11.00
8-Tooth... $10.00
11-Tooth... $11.50

Special Discount for Cash.

This is a two-section, wood frame, spiked-tooth Harrow. The runners, as seen in the cut, are intended to be used in carrying the Harrow from one field to another.

PRICE.
10-Tooth................................. $8.50
18-Tooth................................. 10.00

Special Discount for Cash.

Baltimore DOUBLE HINGE HARROW.

This Harrow is similar to the Baltimore Double Hinge Harrow, only it is made in one section instead of two. It is designed to be used by one horse. We furnish this Harrow with 30 teeth, which cuts 4 feet 6 inches wide, and with 24 teeth, cutting 3 feet 6 inches wide.

PRICE.
With 25 teeth... $5.50
With 30 teeth... $5.50
Also furnish the old style A and Double A Harrows at the following prices:
Single "A," with 29 3/4-inch teeth... $7.00
Double "A," with 30 5/8-inch teeth... $12.50
Double "A," with 30 3/4-inch teeth... $13.50

Special Discount for Cash.
GRiffith & T urner Co.

Bell's Center-Cut Overlapping Disc Harrow.

Most of the Disc Harrows on the market are so constructed as to leave an uncut ridge in the center. This is not the case with the Bell's Center-Cut (see engraving). This Harrow cultivates the ridge and pulverizes the ground from outside to outside, leaving a smooth surface behind it. There will be no hard ridge. There will be no row of weeds between the grain. This Harrow is made of steel and will polish and high-test steel discs. Harrows always be furnished with Round Discs, unless especially ordered otherwise. Polygon or cut discs furnished at small extra cost when specially ordered.

Janesville Disc Harrow. No. B.

An angle steel bar runs the full length of the gang and is fastened to the top of the standards. This takes the place of weight boxes.

The cleaner bar and cleaners are attached to this bar. The standards are steel.

The inner and outer draft boxes are oiled from the top of the standards, the center box from the bottom. The oil boxes are fitted with spring covers.

The Janesville Disc Harrows carried in stock in the following sizes, four, five and six feet wide.

Prices.

<table>
<thead>
<tr>
<th>Disc. In.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>16 $20.00</td>
</tr>
<tr>
<td>10</td>
<td>16 $21.00</td>
</tr>
<tr>
<td>12</td>
<td>16 $24.00</td>
</tr>
</tbody>
</table>

Special Discount for Cash.

Oriole Disc Harrow.

Will throw the dirt either to or from the center. This we carry in the 16-disc size only, and is similar in appearance to the Janesville.

Price.

10 16-inch Discs. $25.00

Special Discount for Cash.

Walter A. Wood Disc Harrow.

(Formerly Buffalo Pits.) Special Discount for Cash.

The Meeker Smoothing Harrow.

Steel Disc.

A Perfect Harrow and a Perfect Land Roller Combined.

The frame measures 6 feet 8 inches by 6 feet, and has four sets of rollers, having 58 discs, 8 inches diameter on them. The discs grind all the lumps so fine that the seed must come up, leveling and leaving the land fine and smooth and doing its work better than the rake. Price $20.00

Special Discount for Cash.

Hallock Weeder and Cultivator.

The frame is of angle iron. Each tooth is bolted on separately. The handles and shafts are adjustable. The teeth are six inches apart on each frame and so arranged that a 6-inch space shows diagonally across. This allows batts of corn stalks and trash to pass through.

Removing one tooth a 4-inch space is given over the row. Removal of two teeth will give a 6-inch space. It works also four, six and eight rows. Price $12.00

Special Price for Cash.

Keystone Adjustable Weeder.

Can be adjusted from 7 1/2 feet, as per cut, down to 30 inches, for the purpose of cultivating between rows. Flat teeth, with diamond points. Furnished with caster wheel in front, not shown in cut. Price $12.50

Special Price for Cash.
Old Dominion Grub Plow.

It is especially adapted to newly cleared ground that is encumbered with growth of hazel or other bushes. All working parts are of best steel, and it is so strongly built that it will withstand the hardest usage. It is the favorite plow of its class. It is built in right hand only, and cuts about 7 inches. If you ever have a demand for a new ground plow, you should try this one.

Gold Medal Sub-Soil Plow.

The plow will reach a depth of 20 inches.

Prices:

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>$7.00</td>
<td>1 horse, with cast point, plain</td>
</tr>
<tr>
<td>$7.50</td>
<td>1 horse, with cast point, with wheel</td>
</tr>
<tr>
<td>$8.50</td>
<td>2 horse, with cast point, plain</td>
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<td>$8.50</td>
<td>2 horse, with cast point, with wheel</td>
</tr>
<tr>
<td>$9.00</td>
<td>2 horse cast share</td>
</tr>
<tr>
<td>$10.00</td>
<td>1 horse cast share</td>
</tr>
</tbody>
</table>

COMBINATION POTATO DIGGER, SUB-SOIL PLow AND DOUBLE MOULDBOARD PLow.

FOR TWO OR THREE HORSES.

Each plow is in itself a perfect tool. The change from one plow to another can be made in a few minutes. The subsoil plow should always be used with a wheel. The standard is made of malleable iron. The mould and points and digger mould are made of chilled cast iron, polished, and digger fingers of wrought iron. Altogether a very strong and serviceable implement.

OUR SPECIAL PRICES.

- Subsoil Plow, plain: $5.00
- Subsoil Plow, with wheel: $6.00
- Double Mould for same, 12 inch: $1.00
- Potato-Digging Attachment for same: $2.00

Hench & Dromgold Potato Digger.

The standards are made of cast iron, having on a highly-polished steel share. The side or wing pieces to the standard are bolted with a ratchet, by which they can be adjusted to stand up or down as desired. The fingers extending back from the standard are made in a zig-zag form, instead of straight, as shown in cut, on account of which they separate the potatoes from the ground better than straight ones. They are made of spring steel, and are very elastic and durable.

Price: $7.00  Steel Share: $1.00

DARNELL'S IMPROVED PATENT FURROWER and MARKER.

Strong, light and durable. A half-dozen tools in one. Runs steadily and cannot be choked. Adjustable throughout. Broad runners of wrought T angle iron with rib to prevent sliding on side hill. Revolving discs or furrowers 15 inches in diameter, with chilled hub and steel axle. Shipping weight 140 pounds.

Price: $20.00

BOLTS FOR CAST PLOWS, such as Minor & Horton, Farmers' Friend, Boy Dixie, Girl Champion.

CHILLED PLOWS - South Bend, Ward, Syracuse, Roland.

BASE BOLTS Price: 2c to 3c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
**HENCH & DROMGOLD’S CORN PLANTERS.**

STEEL FRAME SINGLE ROW PLANTER WITH FERTILIZER ATTACHMENT.

**Prices.**

Plain Planter...$12.00
Planter, with Fertilizer Attachment... 14.00
Extra Dropping Dies, each... .50
Special Price for Cash.

The Corn-Dropping arrangement is very simple and positive in action.

The Fertilizer Sower has an agitator, which prevents the fertilizer from arching in the box, and will sow regularly any quantity from 100 to 400 pounds per acre.

Four Rings or Dropping Dies are furnished with each Planter: two with small and two with large holes, dropping one grain at a place and equal distance apart, and two with large and two with small holes for dropping two grains in a hill.

Three Chain Wheels are furnished with plain Planter and four with fertilizer. The six-point chain wheel drops one grain 13 inches or two grains 26 inches apart. The seven-point drops one grain 15 inches or two grains 30 inches apart. The eight-point wheel drops one grain 17 inches or two grains 34 inches apart. We can also furnish rings for planting Peas, Beans, Ragwage Corn or any kind of seeds, and by using the different chain wheels can plant any desired amount.

**Fig. 28 B.**

**Showing Corn-Box in the Rear with Fertilizer Attachment.**

The cut represents our Single Row Corn Planter with corn-box in rear, and is sold largely in some sections.

It has the same dropping device and fertilizer feed as our other Planter. We furnish them with double or concave wheel. In some sections the concave wheel is preferable for rolling or pressing the ground down on the corn.

All the Planter we make have the spring trip cut-off in the corn hopper instead of the brush. This is preferable to the brush, as it does not break any corn, and is more durable. We, however, can furnish the brush block with any of the Planter if so ordered.

In all of these Planters the top part of corn-box is made of heavy sheet iron, riveted to a cast ring which is hinged to the bottom, and by loosening one thumb-nut can be turned to the side and the rings changed and the bottom cleaned out nicely.

On all machines where fertilizer attachments are used the fertilizer box sets lower on the frame, has less number of pieces, less complicated and the most positive force feed of any Planter on the market; insures uniform distribution, whether dry or damp. Will sow from 30 pounds to 50 pounds per acre, and if a larger quantity is wanted use the five-point chain wheel, and it will sow 55 pounds per acre.

**Fig. 27 B.**

**The Gordon Automatic Hand Corn Planter.**

ITS ROTARY SLIDE has a motion two ways — back and forth. It prevents skips. No matter how short the stroke, the pocket is pushed into the corn and back into the conveyor tube.

This motion is positive. It breaks up all bridging and fills the pocket uniformly — it counts the kernels at each drop.

**The Iron Stripper** will not wear out or break. It prevents an overdose of corn, and will not crack a kernel. The entire dropping device is made of iron, held together by three bolts. All parts are easily accessible and readily adjusted.

**The Hopper is in Line With the Center.** There is a double-curl spring on each side, and the Planter hangs well in the hand. The material is all the best. The Planter is finished with a selected hardwood frame, finished bright, a brilliantly painted hopper and all parts varnished.

**Price, $1.50.**

**American Hand Corn Planters.**

Are fitted with Sheffield’s famous patent adjustable seed disc and spring brass cut-off. The disc revolves similar to disc used in horse planters, and is one of the best finished and most accurate dropping discs ever used in corn planters of any description. Price, $1.75.
The Janesville Double Row Corn Planter No. 1.

The Janesville Planter is made adjustable in width to the following sizes: 3 feet 4 inches, 3 feet 6 inches and 3 feet 8 inches. It has a strong frame, disc, marker, adjustable seat, open or concave wheels, plain or stub runners.

Seed Boxes are removable, and the plates may be changed without removing the corn. This also enables the operator to refill the seed-can by taking it to the grain sack instead of carrying the heavy sack to the machine, an exclusive Janesville feature. The time gear for driving the seed plants, together with the removable boxes, are so constructed that you cannot get the seed boxes on the wrong side, nor can you get the driving gear out of time. With our Convertible Drop (see Cut) we furnish with each planter both kinds of plates, so that by simply changing the seed plates you can have either the Edge Drop or Flat Drop. The Flat Drop gives much the best results with mixed seed, and it is sometimes not convenient to have selected seed corn.

Our Edge Drop is one of the best mechanical devices ever gotten up for the purpose, and operates as follows: The seed plate has cells in the outer edge, each of which is made to receive one kernel of corn edgewise. A revolving disc working on an eccentric over the seed plate insures the filling of these cells.

The cut-off will not crack the corn. The spring knocker drops in each cell and forces out the kernel. The seed plates are chain driven from a sprocket wheel on the main axle to a sprocket on the feed shaft. This obviates the side draft and relieves the wire strain.

The Automatic Wire Distributor and Reel are operated by power from the main axle, so that you simply have to drive the horses and the reel takes care of itself, whether in laying out or taking up the wire. The reel has a friction clamp, which is to be used in letting out the wire, so as to produce the proper tension. The Automatic Distributor in taking up the wire prevents tangling on the reel. This is also an exclusive idea, and found only on the Janesville No. 1 Planter.

The Automatic Clutch device is an exclusive feature that every user will appreciate. Its action is without jerk or jar when thrown in and out of gear, and it is positive in action. A safety device prevents breakage should a foreign substance get into the hopper. The buttons on the head trip the clutch, allowing the feed shaft to make one revolution. This accumulates enough corn for one hill. It is then thrown out of gear until the next button operates the check rogers and throws the clutch into gear.

Valves Adjusted to Hill Drop.

The valves of the Janesville Planter are two in number in each shank, an upper and a lower. This makes it impossible to plant two hills at the same time. The lower valve keeps the heel of the runner clear and by its action equalizes the difference between fast and slow driving. The upper valve prevents all possibility of discharging seed between the hills. Being enclosed in the shank, the valve mechanism cannot be affected by trash. The change from hill to drill drop may be made by turning a button on each shank which opens the valves; then release the clutch so as to make a continuous revolution. (See Fig. 3.)

The front of the planter is raised and lowered at will by means of the hand and foot lift, assisted by a spring lift. This arrangement balances the weight at any point. The pole has a spring under the back end, which gives perfect flexibility.

Spring Lift and Connection to Front Frame.

An adjustment on the pole may be raised or lowered to regulate the set of the check rewor.

The Check Head Trip is a patented device which operates entirely different from the former manner in which this was accomplished. A trip bar is fastened on the front frame, and when the planter is raised out of the ground it automatically releases the wire from the planter.

Bottom of Convertible Drop Seed Hopper.

Automatic Wire Distributor and Reel.

Price.—No. 1
Plain, with Check Rower and 80 rods wire, $40.00.
No. 1 same, less wire, stakes and reel, $38.00.
PLANTER
With Fertilizer Attachment, $30.00.
COTTONSEED ALWAYS IN VIEW.

Eureka Potato Planter

No. 8.

It is 11 g. t. strong and durable. It is light draft for one horse. It is 96 per cent. correct in its drop. It covers perfectly. It will sow from 150 to 1,150 lbs. fertilizer per acre. It plants whole or plants any depth, cut seed. It will drop seed in the row 15, 19, 23 and 30 inches apart. It will hold one bushel and one-quarter of potatoes and 50 pounds of fertilizer. It is made with or without fertilizer attachment. It turns easily at the end of the row. It has marker for marking return row. The furrow is opened by an anti packing shoe or plow. The potato is dropped equal distant apart, as regulated. The potato is partially covered by earth; the fertilizer is dropped and does not come in contact with the potato; the discs cover both potato and fertilizer any depth desired. With Fertilizer Attachment, Retail Price $45.00, List Price $70.00.

Note—Pole or Tongue attachments extra. Weight 280 pounds.

Eureka Potato Planter

No. 10.

This Planter is marked 95 per cent. correct. Some Potato Planters require a driver and a man to drop the seed, and to meet this we, too, furnish an extra seat (if ordered), and a second man can supply five seeds in one hundred if needed. By removing the shoe (which is easily done) and spreading the discs makes one of the finest and most complete Hillers on the market. Extra for widening disc furnished on application. Price 75c. All of these Planters have the celebrated Wizard Fertilizer Feed.

Corn Planter Runners.

We are headquarters for Corn Planter Runners, made to fit the following named styles: Evans, Farmers' Friend, Hamilton, Barlow, Richmond Champion, Hench & Dromgold, Keystone Jr., U.S., Black Hawk, Challenge, etc. In ordering Planter Runners, always state, as near as possible, the year Planter was made; whether steel or wood frame; or, better still, a diagram showing position of hole and size of bend.

Price, per pair, 83c.

“Peerless” Hand Potato Planter.

THE LIGHTEST TUBULAR PLANTER MADE.

It is spring closed jaws are specially designed to enter the soil easily, yet open wide enough to drop the largest seed. The dropping lever or dump is adjustable for any depth of planting. The conveyor tube is galvanized iron.

Retail Price $1.00

“Acme” Hand Potato Planter.

This is similar to the above, except it is not tubular but a stick planter. We do not carry these in stock, but can furnish them direct from the factory.

Same directions for working apply on this as on the “Peerless.”

Retail Price, 75c. List Price, $1.10.

Eureka 2-Row Potato Planter

No. 12.

Weight, with Fertilizer Attachment, 700 lbs. Same in general construction as the Eureka No. 10, except it plants two rows at one time and does its work perfectly. Each gang works separately and one independent of the other. All of these Planters have the celebrated Wizard Fertilizer Feed.

Special Retail Price, with Fertilizer Attachment, $80.00. List Price, $140.00.
Lord Baltimore Cultivator and Horse Hoe

Combined with Lever.
Equipped with the latest Improved Hollow Steel Standard and Lever Expander and outside Handle Braces. Extra high steel frame. Standards are interchangeable, being no "right" nor "left," as in solid standards in general use. The horse hoe standards differ from the other three, and take either the regular cut, teeth or filing attachments.

Baltimore Cultivator
Bent steel frame. The Baltimore has No. 32 Plates. Similar to the Lord Baltimore, except it has solid shanks instead of hollow steel. Heavy steel frame, diamond-shaped teeth, well braced and thoroughly well made in every particular.

Baltimore Cultivator, Plain 8.75
Baltimore Cultivator and Horse Hoe, Plain 4.00
Baltimore Cultivator and Horse Hoe, with Wheel 1.50

For Lever for Baltimore, Old Dominion or Oriole Cultivator.
ADD 60c.

Baltimore Combined Harrow and Cultivator

Four positions of teeth, as shown in cut—straight, smoothing, etc.

Price, Plain $3.25
With Lever 3.75

Iron Age Cultivator and Horse Hoe

 Came dominion Cultivator and Horse Hoe
The Old Dominion is similar to the Baltimore except that it is a little lighter and straight frame. Sold principally in Virginia and the South, and wherever sold it becomes a favorite.

Old Dominion Cultivator, Plain $2.50
Old Dominion Cultivator and Horse Hoe, Plain 3.75
Old Dominion Cultivator and Horse Hoe, with Wheel 4.25

Oriole Cultivator and Horse Hoe

The Oriole is similar to the Old Dominion except that it has a bent frame.

Oriole Cultivator, Plain $2.50
Oriole Cultivator and Horse Hoe, Plain 3.75
Oriole Cultivator and Horse Hoe, with Wheel 4.25

For Iron Age Riding Cultivators.

Hilling Shovels

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<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>$1.50</td>
</tr>
<tr>
<td>10</td>
<td>$1.75</td>
</tr>
<tr>
<td>11</td>
<td>$2.00</td>
</tr>
</tbody>
</table>

Iron Age Cultivator and Horse Hoe

No. 18—15-inch sweep, each .34
12—Horse Hoe, Steel, with Shank or Standard, per pair .10
12—Horse Hoe, Steel, without Shank or Standard, per pair .35
Horse Hoe Attachments complete, in three pieces .13

Diamond Shaped Cultivator and Horse Hoe

No. 18—4-inch Sweep, each .18
12—10-inch Sweep, each .18
12—12-inch Sweep, each .18
12—14-inch Sweep, each .18

Shovels not Shaped for Malta, Brown and Similar Styles Walking and Riding Cultivators.

Blades furnished without holes to be fitted, price each .35
Bull Tongues, same as above each .30
Malta Riding Cultivator Blades, complete, with backs and bolts, each .60
Malta Riding Cultivator, Calf Tongues, complete, with backs and bolts, each .45

All of the Above Goods are of Best Steel and Highly Polished. Special Prices on Bolts in Quantities.
FARMERS’ FAVORITE SINGLE, DOUBLE AND TRIPLE SHOVEL PLOWS.

**PRICES.**
- Farmers’ Favorite, single-shovel Plow: $2.00
- Farmers’ Favorite, double-shovel Plow: $2.25
- Triple-shovel Plows, Regular: $2.75
- Extra Heavy three-shovel Plows: $3.00

The cost of these goods is not so much in the finish, as in the construction and material, these being the principal requisites in an implement.

**Steel Beam Georgia Stock No. 1.**

For the purpose of attaching shovel blades or steels of any kind used on Shovel Plows. The beam is made of a plate of steel formed in the shape of a U bar, the front end being arranged with an adjustable clevis, dispensing with the need of a lap ring. The rear part of the beam forms a steel box for the Plow handles, thus making it impossible to split the handles. Regular Georgia Stock Plow Handles will fit these Plow Stocks.

*Price: $1.10*

No. 3—With adjustable landside and rudder. This Plow Stock has an extra long and very strong beam and heavy foot. The construction of this steel beam makes this the best and strongest Plow Stock on the market.

*Price: $1.50*

**Steel Beam Four Shovel Plow.**

PRICE $3.25.

Both Wood and Steel Beam are furnished with reversible plates.

**Four Nut Shovel Plow Spreader Bolts.**

For Beams and Handles, each: .25c.

- Shovel Plow Clevis: .20c.
- Finished, for Single and Double Shovel Plows, complete with round and rod per set: .75c.
- Finished, without round and rod per pair: .60c.

**Shovel Plow Fender.**

Wood Beam Four Shovel Plow.

PRICE $3.25.

**Steel Beams.**

For Single and Double Shovel Plows.

Full and complete line of polished steels for Single and Double Shovel Plows made in both one and two-hole styles.

- Genuine Malta Double or Single Shovel Plow Steels, per pound: .08
- Farmers’ Favorite, Triple Shovel Plow Steels, per pound: .08
- Farmers’ Favorite, Single & Double Shovel Plow Steels, per pound: .07
- Bolts for Shovel Plow Blades, each: .05
- Four Shovel Plow Steels, 2½-inch: .08
- Four Shovel Plow Steels, 3½-inch: .09
- Four Shovel Plow Steels, 4-inch: .10

**THE ORIGINAL AND GENUINE “Malta” Iron Beam Single and Double Shovel Plows.**

Has 1¼-inch Beam.

- Double Shovel Plow: $3.00
- Single Shovel Plow: $2.50

**Raw Text End**
Hench Champion Steel Walking Cultivator.

WITH SHOVEL BEAM HOISTED AND HELD UP BY SPRINGS ALONE.

The shovel ganges are coupled by cone and socket bearing to the axle, which is 6½ inches in front of the wheel splindles, and when the shovel ganges are raised up the entire frame of the machine drops down about 6 or 7 inches, and this weight, together with the aid of the springs, raises the drag bars without any assistance whatever from the operator, and holds them up. It is a perfect balance, and will not tilt the tongue up when the shovel ganges are hoisted. The drag bars can be furnished with three, four or five shovels on each gang, making it 6, 8, or 10-shovel Cultivator. These shovel standards can be adjusted or placed at almost any position required. It is also made with spring trip shovels. Each machine is furnished with a pair of 1½-inch bull tongues and a pair of hilling shovels, in addition to the other shovels. Either rotary or sheet steel fenders are furnished with either style of machine.

PRICES.

6-shovel Pin Hoe, $18.00 8-shovel Pin Hoe, $21.50
6-shovel Spring Hoe, 19.50 8-shovel Spring Hoe, 24.00
Two Standards and Shovels to make 10-shovel Pin Hoe, $25.00

Fig. 56.

Special Discount for Cash.

20th CENTURY CORN PLANTER ATTACHMENT.

Fig. 56 shows the 20th Century Cultivator with double 2 rows. The corn planter is also furnished without the row planter and fertilizer attachment, rigged, for planting fertilizer attachment.

All Cultivators are made so that the planter can be attached at any time. It will plant accurately, almost any depth required, one grain, 1½ or 2½ inches, or two grains 2½ or 3 inches apart, and additional discs can be furnished at a small cost for sowing rice, wheat, oats, and corn. It can be set to plant rows from 2 feet 12 inches to 4 feet apart. The cost for a 2-row planter attachment is but a trifle more than a single row.

Special Discount for Cash.

Price of Planter Attachment.
Double-Row Planter Attachment, plain. $15.00
Double-Row Planter Attachment, with Fertilizer Attachment. 20.00

STEELS FOR HENCH & DROMGOLD’S RIDING CULTIVATORS AND CHAMPION WALKING CULTIVATORS.

STEELS FOR HENCH & DROMGOLD’S RIDING CULTIVATORS AND CHAMPION WALKING CULTIVATORS.

For Prices on Cultivator with Corn Planter Attachments add prices of Attachments to prices of Cultivators. Planter Attachments can be applied to 20th Century, Hench Junior, Hench Old Style and Hench Improved Cultivators, but when ordering it is necessary to state for which Cultivator it is intended.

Price of Planter Attachment.
Double-Row Planter Attachment, plain. $15.00
Double-Row Planter Attachment, with Fertilizer Attachment. 20.00

20th Century Corn Planter Attachment.

Hench Balance Frame Walking Cultivator.
WITH PARALLEL BEAMS.
Hench's 20th Century Steel Ball Coupling Cultivator. FIG. 50

This is a perfect machine for both rolling and level land. Pivot axle, easy of adjustment, simple arrangement to accommodate the machine for narrow rows. Can be furnished either for pin or spring hoe.

The shovel gangs are coupled in front by steel balls, 3/4 inches diameter, and malleable sockets having larger running surface and no lost motion whatever. This simple arrangement prevents the lateral movement so common in this style of machine, so that, if the shovel happens to strike a bunch of grass, it will not glance around, but will cut it out.

By simply slacking four nuts on the wheel standards they can be moved in or out on the axle, narrowing the wheels from 46 inches, the widest point, to 34 inches, the narrowest point, between the wheels.

Wheels 32 inches high, made of steel, with 2-inch tread, malleable hubs, removable boxes, which can be replaced when worn out. Weight, about 35 pounds.

PRICES.

<table>
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<tr>
<td>6-shovel Spring Hoe</td>
<td>$32.00</td>
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<tr>
<td>8-shovel Pin Hoe</td>
<td>$30.00</td>
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<tr>
<td>8-shovel Spring Hoe</td>
<td>$34.00</td>
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<tr>
<td>2 Center Beams and Shovels, Pin Hoe</td>
<td>$2.50</td>
</tr>
<tr>
<td>2 Center Beams and Shovels, Spring Hoe</td>
<td>$3.50</td>
</tr>
<tr>
<td>2 Standards and Shovels to make 12-shovel Pin Hoe</td>
<td>$2.00</td>
</tr>
<tr>
<td>4-disc Cultivator, with 15-inch discs</td>
<td>$26.50</td>
</tr>
<tr>
<td>6-disc Cultivator, with 15-inch discs</td>
<td>$30.00</td>
</tr>
</tbody>
</table>

Special Discount for Cash.

Hench Junior Steel Ball Coupling Cultivator, No. 62. With 36-in. Wheels.

The above cut represents our Hench Junior Cultivator, with 36-inch wheels. It is similar to our Twentieth Century, except the axle standard allows the wheels to pass over the axle, and is recommended when extremely narrow rows are not cultivated.

It is made with three, four or five shovels on each gang, making it six, eight or ten shovel Cultivator for rowed crops, with a pair of 1 1/2-inch bull tongues for first cultivation and one pair bull tongues for last cultivation of rowed crops.

It can be rigged with two middle beams and shovels, making a 12-shovel Cultivator for fallow cultivation. It also can be furnished with Double Row Corn Planter Attachment, as shown in the Twentieth Century Cultivator, Fig. 56 (see Page 110).

PRICES. 6-shovel Pin Hoe, $28.00; 6-shovel Spring Hoe, $31.00; 8-shovel Pin Hoe, $29.00; 8-shovel Spring Hoe, $33.00; 2 Center Beams and Shovels, Pin Hoe, $2.50; 2 Center Beams and Shovels, Spring Hoe, $3.50; 2 Standards and Shovels to make 12-shovel Pin Hoe, $2.00; 4-disc Cultivator, with 13-inch discs, $27.50; 6-disc Cultivator, with 13-inch discs, $29.00.

Special Discount for Cash.

The Hench Improved Pivot Axle Cultivator.

It can be narrowed from 47 inches to 30 inches between the wheels, thus enabling the operator to cultivate rows from 2 feet up to 4 feet apart. We use steel wheels 36 inches high, with removable boxes. The spindles are 1 1/4 inches round steel, 9 inches long, and can be renewed very quickly by any blacksmith. We furnish it with either three or four shovels on each side, or drag bar as desired. Also, a pair of hilling shovels and one pair of bull tongues.

6-shovel Pin Hoe, $25.00; 6-shovel Spring Hoe, $31.00; 8-shovel Pin Hoe, $30.00; 8-shovel Spring Hoe, $34.00; 2 Center Beams and Shovels, Pin Hoe, $2.50; 2 Center Beams and Shovels, Spring Hoe, $2.50; 2 Center Beams, and Shovels, Pin Hoe, $2.50; 2 Center Beams and Shovels, Spring Hoe, $3.50.

Special Prices for Cash.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Janesville Disc Cultivator

Steel wheels, removable dustproof box; disc gangs heavy construction; chilled wearing boxes on the disks and the tilt of the frame accomplished by levers. The machine that isimitated by other Disc Cultivator manufacturers.

A hand lever, operated without leaving the seat, sets the gangs at any desired cutting angle and enables the driver to throw as much dirt to the plants as he desires.

Any change made in the angle of the gangs does not affect the position of the shields and levelers. The foot levers, the gang and the coupling arms that control the tilt of the gangs and shields are positive in their action, and never slip when set, because they are held by interlocking teeth.

The yoke boxes in the gang yoke are renewable. It is never necessary to buy a new gang yoke when the bearings of the yoke boxes wear out. This feature will be appreciated.

The spring pressure feature of the Janesville Disc Cultivator enables the operator to put the gangs as deeply as desired into the heaviest soil.

As the gangs are hung on springs the guiding is done by foot pressure instead of by showing sidewise. The discs follow the shape of the ground evenly because of their adjustment with the wheels.

You can run it up close to the young plant without cutting off or crowding the lateral roots. (See Fig. 3.)

The Janesville cuts and buries trash, vines, stalks and kills the weeds. It does not shove clods and stalks against the young plant to break it down or bury it.

We produce with this implement a layer of pulverized light mulch, checking evaporation by day, absorbing night dew (as may be seen by inspection in the early morning), and also acting as a blanket to store the warmth of the day's sunshine through the night.

Diagram of a corn plant showing advantage of using the Janesville Disk Cultivator. Perfect tillage without injury to the roots of the young plants.

Prices, less Levelers and Lister Bars...
Levelers, per pair... 1.75
Four-shovel Attachment Pin Hoe... 7.50
Six-shovel Attachment Pin Hoe... 7.00
Four-shovel Attachment Spring Trip... 9.00
Six-shovel Attachment Spring Trip... 9.00
18-inch discs and thimble for attachment to gangs, per pair... 4.00

Fig. 2

This cut shows the gangs with a fourth disc attachment and how easy it is for one to convert the Janesville Disc Cultivator into a disc harrow.

Janesville Walking Cultivator.

The Crown Walking Cultivators are built with a strong, thoroughly braced frame. The arch is high enough to clear the corn the last working, and wide enough to enable the operator to get the shovels close to the plant.

The shovels are made of the best material, tempered with great care and finished in best style.

Either round or flat connection is provided, and shovels may be set at any desired angle. Furnished with any style gang—six or eight shovel, brakepin or spring trip, regular, parallel or wood beam, as desired.

An exclusive feature of the Crown is the Balance Spring, as shown in cut. This permits ease of handling at any depth at which the gangs may be used.

The rocking of the frame has no effect on the lift of the spring on the gangs.

PRICES:

C 4—4-shovel Steel Bean Pin Hoe... $17.50
C 5—4-shovel Steel Bean Pin Hoe... 18.50
C 6—4-shovel Steel Bean Pin Hoe... 18.50
C 7—4-shovel Steel Bean Pin Hoe... 18.50
C 8—4-shovel Steel Bean Pin Hoe... 18.50
C 16—4-shovel Parallel Beam Pin Hoe... 19.50
C 18—8-shovel Parallel Beam Spring Tooth... 19.50

All Prices Subject to Change Without Notice.
Walter A. Wood New Century Grain Binder.

A Genuine Two-horse Machine.


Binder Canvas Slats for all Leading Binders.

See Page 159

THE WALTER A. WOOD TUBULAR STEEL MOWERS.

Wood one-horse Mowers cut a swath 3 feet 6 inches or 4 feet. Wood two-horse Mowers cut a swath 4 feet 3 inches or 4 feet 6 inches, with our patent axle extension, 5 feet or 6 feet. Wood Giant Mowers cut 5 feet, 6 feet or 7 feet, without patent extension axle. Three especially points of superiority are found in all Wood Mowers. The floating frame, the central draft and the improved footlift.

The main frame of the Wood Mower supporting the cutter-bar swings freely from the axle. Set your cutter-bar at the desired height, and up hill and down hill, through hollows and over ridges it will cut all the grass at that same height until readjusted. The floating frame does this. Only Wood Mowers have floating frames.

The tilt-lever is right at the hand of the operator, and, like all Wood levers, operates easily and instantly.

We furnish either cast or steel wheels.

WOOD MOWERS PULL DIRECT FROM THE DRAFT ROD under the tongue attached to a point in the main frame proved to be the exact center of draft. The horses pull the cutter-bar and the truck follows after. No pulling whatever is done by the tongue, consequently no weight on your horses' necks.

The Wood improved footlift raises the cutter-bar in a line full 20 inches—does it instantly and easily.

At its most distant point the foot-lever is easily reached from the seat. A slight pressure raises the bar above all ordinary obstacles, stumps and stones. The machine stays in gear. Release the pressure on footlift and the bar drops immediately.

A range of 5½ inches in the tilt of the cutter-bar makes cutting close to the ground easy.

PRICES:

| 3 ft.—6 and 4 ft., one horse | $37.50 |
| 4 ft.—3 and 4 ft. 6 in., two horse | $40.00 |
| 5 ft., two horse | $42.00 |
| 6 ft., two horse | $45.00 |

THE CANTON HOIST

No. 33—Two sheaves above, two sheaves below; for 3/8 to 3/4 rope; capacity 1,500 lbs. One man can lift 500 lbs. 4-inch sheaves. Factory list, $6.00. Our retail price, $4.00.

No. 37—Two sheaves above, two sheaves below; for 1/2-inch rope; capacity 800 lbs. One man can lift 400 lbs. 2-inch sheaves. Factory list, $4.00. Our retail price, $3.00.

Rope not included in price.

Regular Iron-Strapped Blocks.

<table>
<thead>
<tr>
<th>Common Iron Bushed</th>
<th>Patent Roller Bushed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single</td>
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<tr>
<td>Size of Sheave, Inch</td>
<td>3/8</td>
</tr>
<tr>
<td>Feet.</td>
<td>Length of</td>
</tr>
<tr>
<td>Price</td>
<td>Price</td>
</tr>
<tr>
<td>3/8 x 3/8</td>
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<tr>
<td>3/8 x 5/8</td>
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<td>5/8 x 5/8</td>
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<td>7/16 x 7/16</td>
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</table>

Please note, prices are subject to change without notice.
### MOWER SMOOTH SECTIONS, KNIVES AND GUARDS.

<table>
<thead>
<tr>
<th>Made to fit the following Machines</th>
<th>Size of Section</th>
<th>Retail Price of Section</th>
<th>Retail Price of Guard</th>
<th>No. of Knife Head</th>
<th>Retail Price of Knife Head</th>
<th>No. of Knives complete</th>
<th>Pitman Boxes No.</th>
<th>Pitman Box No.</th>
<th>List Price of Pitman Boxes</th>
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</thead>
<tbody>
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<td>$.25</td>
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<td>5 ft</td>
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<td>.5 ft</td>
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<td>$.25</td>
<td>1473</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
<td>5 ft</td>
<td>$.05 $30</td>
</tr>
<tr>
<td>Deering</td>
<td>3x3 1/8</td>
<td>$.05</td>
<td>$.25</td>
<td>1425</td>
<td>$.35</td>
<td>$2.40</td>
<td>5 ft</td>
<td>5 ft</td>
<td>$.05 $0</td>
</tr>
<tr>
<td>McCormick</td>
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<td>$.25</td>
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<td>$.05 $30</td>
</tr>
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<td>5 ft</td>
<td>$.05 $0</td>
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<td>1425</td>
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<td>5 ft</td>
<td>$.05 $0</td>
</tr>
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<td>$.25</td>
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<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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</tr>
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<td>$2.75</td>
<td>5 ft</td>
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<td>$2.75</td>
<td>5 ft</td>
<td>5 ft</td>
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<tr>
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<td>3x3 1/8</td>
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<td>$2.75</td>
<td>5 ft</td>
<td>5 ft</td>
<td>$.05 $30</td>
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</table>

### BINDER SICKLE SECTIONS, GUARDS AND KNIVES.

<table>
<thead>
<tr>
<th>Made to fit the following Machines</th>
<th>Size of Section</th>
<th>Retail Price of Section</th>
<th>Retail Price of Guard</th>
<th>No. of Knife Head</th>
<th>Retail Price of Knife Head</th>
<th>No. of Knives complete</th>
<th>Knives</th>
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<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
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<tr>
<td>Deering Binder</td>
<td>3 1/4 x 2 1/2</td>
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<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
</tr>
<tr>
<td>Deering Binder</td>
<td>3 1/4 x 2</td>
<td>$.05</td>
<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Champion Binder</td>
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<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Champion Binder</td>
<td>3 x 2</td>
<td>$.05</td>
<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Osborne Binder</td>
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<td>$.25</td>
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<td>$.35</td>
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<td>5 ft</td>
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<tr>
<td>Johnstown Binder</td>
<td>3 x 2 1/2</td>
<td>$.05</td>
<td>$.25</td>
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<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Johnstown Binder</td>
<td>3 x 2</td>
<td>$.05</td>
<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Plano Binder</td>
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<td>$.25</td>
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<td>5 ft</td>
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<tr>
<td>Plano Binder</td>
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<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Milwaukee Binder</td>
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<td>$.25</td>
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<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
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<tr>
<td>Milwaukee Binder</td>
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<td>$.25</td>
<td>256</td>
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<td>5 ft</td>
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<tr>
<td>Akron Buckeye Binder</td>
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<td>$.25</td>
<td>256</td>
<td>$.35</td>
<td>$2.75</td>
<td>5 ft</td>
</tr>
</tbody>
</table>

Leger Plates for all Machines, 5c. each. Section and Guard Rivets, 20c. lb. Guard Bolts for all Machines, 4c. each.

Above we give a table of sizes, numbers and prices of Sections, Guards, Knife Heads and Knives complete, and combinations generally used. In some cases more than one Knife Head and Guard have been used with the same section. In ordering, always give number of Guard and Knife Head, also drawing of Section wanted, showing holes punched in Section. In ordering Knives complete, always give number of old Knife Head.
WOOD PITMANS
(Without Pitman Box and Bolts.)

To Fit The Following Machines:
- Deering (Ideal Mower) 
- McCormick (Big 4 Mower) 
- Milwaukee (No. 6 Mower)

Price.
- Deering (Ideal Mower) 
- McCormick (Big 4 Mower) 
- Milwaukee (No. 6 Mower)

Each...

PITMAN STRAPS OR CLASPS

To Fit The Following Machines:
- Deering (Ideal Mower) 
- McCormick (Big 4 Mower) 
- Milwaukee (No. 6 Mower)

Each 40c.

Hand-Made Grain Cradles
Made from the Best Material, with English and American Blades. Hand-made Schwab Cradle, with English Wadsor Blade, retail...

$4.25.
Hand-made Schwab Cradle, with American Blade, retail...

$3.25.

FACTORY-MADE CRADLES

Factory-made Cradle, American Blade, five fingers, complete with Scythe, No. 5...

$3.25.
Factory-made Cradle, American Blade, six fingers, complete with Scythe, No. 5...

$3.50.
Cradle Fingers, 15c. each.

SCYTHES.

English T. Waldron, 36 inch, Grass...

$1.35.
English T. Waldron, 38 inch, Grass...

$1.40.
English T. Waldron, 40 inch, Grass...

$1.45.
American Grain Scythe, No. 60...

$1.00.
English Waldron Grain Scythe, 50 in...

$1.25.
English Waldron Grain Scythe, 52 in...

$1.30.
American No. 25, Grass...

$0.80.
Backs polished, polished web...

75c.
American No. 35, Weed, Beaded...

75c.
No. 50—Best Bush or Briar Scythe...

75c.
No. 55—Briar Scythe, Pointed...

25c.
No. 50—Briar Snath...

15c.

SCYTHE SNATHS.

No. 80—Ring Fastening Socket, iron trimmed...

$8.50.
Retail price...

$8.50.
No. 55—Patent Loop, solid plate, iron trimmed...

$1.50.
Retail price...

$1.50.
No. 100—Two Rings, Bush Snath...

$1.50.
Retail price...

$1.50.
No. 105—Patent Bush Snath...

$1.00.
Retail price...

$1.00.

BUSH AND BRIAR HOOKS.

No. 5—Ax handle bush hook...

75c.
No. 100—Two rings, bush hook...

75c.
No. 393—Socket briar, with knife on back...

$1.25.

CORN HOOKS (Red or Patent.)

CORN KNIVES—Clipper, 25c. each; Eureka, 50c. each; 15 inch solid steel forged, 30c. each; 18 inch solid steel forged, 40c. each.

GARDEN SETS—3 pieces, 5-take, shovel and hoe...

$1.00 per set.
GRiffith & Turner Co.

Walter A. Wood Self-Dump Hay Rakes

It is in every sense of the word a self-dump rake. You merely touch the trip with your foot. The dumping is automatic. The self-dump rake also has a hand-dump attachment. Naturally, in a rake the important parts are the rakers—the teeth. The Wood teeth are made on a special pattern designed to produce best results. They do not narrow the ground, but they rake all the hay. They do not allow it to roll over and over and finally tangle in the wheels, but they rake it and carry it out until you touch the trip. All Walter A. Wood rakes are needed for one or two horses, as the shafts sliding together and forming a pole.

**Price of Self-Dump Rakes, All-Steel.**
- 8 ft., with 20 teeth, $21.00.
- 8 ft., with 24 teeth, $22.00.
- 9 ft., with 27 teeth, $23.00.

Special Prices for Cash.

**Genuine Thomas Tedder.**

On this Tedder is used a continuous heavy steel axle. Wheels have lugs to prevent slipping, and tires are bolted on. Lever for throwing in and out of gear is in the center of the machine, and operator can work it from his seat. A regular pitchfork style of kicking is used. Fork spring is of steel.

This machine is built in a most substantial manner and of the very finest and strongest material, and will properly handle the heaviest hay. All the kickers are between the wheels. **Price, $34.00.**

**Rapid Fire Hay Press**

Tedder Forks

**Always on hand, stock of forks for leading styles of hay Tedders.**

Special Prices in Quantities.

When ordering Tedder forks always state name of Tedder year it was made if possible, and whether fork is in one or two pieces.

**THOMAS’ CELEBRATED RAKE.**

This rake has long been known in the agricultural world as one of the best rakes made. It partly requires any repairs, saving cornstalks as well as the heaviest hay; has a long and good spring over each tooth; an overhanging cleaner with roller turns the hay in dumping and brings green hay on top.

**Price, $20.00. Special Price for Cash.**

**THOMAS’ RELIABLE STEEL RAKE.**

8 ft., 20 teeth, $21. 9 ft., 23 teeth, $22.

**RAKE TEETH**

For all Leading Rakes.

In ordering, either send old tooth or exact drawing and avoid errors.

**Price, 25c.**

**ONE-HORSE FULL CIRCLE,**

**TWO STROKES, LIGHT DRAFT, STRONG, SIMPLE, DURABLE.**

**Thomas’ Combined Side-Delivery Rake and Tedder.**

Gathers hay on from seven to eight feet of the ground and delivers it at one side of the machine in a continuous windrow. A flat steel spring allows fork to bend over going over obstructions. Forks can be raised or lowered to adapt machine to light or heavy hay. Forks and teeth adjustable. No dumping required. Anyone that can drive horses can operate it same as a Tedder. The Rake can be adjusted to the height of the hay in a few minutes by taking off fork arms and turning them over and fasten back again; also, by adding a few links to driving chain. We invite inspection.

**Price, $55.00.**

**Thomas Hay Loader**

Cut shows general appearance. Well braced front and rear. Direct gearing from drive wheel to crank. Rakes 6 or 8 feet wide, light draft. Takes hay direct from swath. Will rake and load from light windrows, but is not a windrow loader. Fork protectors to prevent digging into the ground. Specially constructed crank support to hold crank loose. Driver can unhitch loader from wagon without getting off the wagon. We invite inspection. **Price, $80.00.**
"DIAMOND" Wide Mouth Swivel and Reversible Carrier with Independent Single Trucks.

The trucks are built from one solid piece of best malleable iron and cannot spread on the track with a heavy load. The track wheels run on turned steel axles and the rope wheels have chilled hubs and run on bushings that fit in recesses of the frame, thereby taking all wear and strain off the bolt. The lock is positive and is forced into action by the pulley block coming in contact with the gripping dogs, which will hold the pulley perfectly until again released by the stop. The wide mouth will receive the fork pulley when approaching from any direction, and swings with the load when locked. Made for both wood and steel track.

**STEEL TRACK CARRIER...$4.00**
**WOOD TRACK CARRIER... 4.00**
Special Discount for Cash.

---

Myers' Clover Leaf Unloader
FOR DOUBLE STEEL TRACKS.
Swivel and Reversible.

Fig. 1031.

Fig. 1031 represents the Clover Leaf Unloader, made of malleable iron throughout. It is fitted with wide-open mouth to receive the fork pulley when approaching in any direction. Also has swinging fork pulley, which relieves the carrier from all strain when drawing hay over a high beam or into a well-filled mow. The track wheels revolve on ½-in. turned steel axles. The lock is composed of three parts, and has no springs. The locking device grasps the fork pulley on either side and permits it to swing free.

Price $4.25
Steel Track, per lb, 12½c.
Special Discount for Cash.

---

Myers' Wood Track Carrier.
Price $4.25. Discount for Cash.
TROLLEY ROLLER-BEARING

STEEL BARN DOOR HANGER No. 123.

Weight, per pair, 10 lbs. Pendant 6 in. long, 3½ in. wide, 3-16 in. thick. These Hangers have lateral adjustment, and are suitable for doors from 1½ to 2½ in. thick. Hangers and track are sold separately. A pair of Hangers consists of two hangers and carriers, one right-end bracket, No. 51, one left-end bracket, No. 50, and one center bracket, No. 52. Complete with wood and lag screws for brackets. When ordering always give thickness of doors, the exact width of opening and state whether for double or single doors. List price, per pair, $1.50. Retail price, $1.00.

TROLLEY HANGER No. 124. Same as No. 123 above; same adjustment. Suitable for doors 2½ to 3 inches thick. Weight, per pair, 12 lbs. List price, per pair, $1.00. Retail price, per pair, $0.90.

TROLLEY HANGER No. 224. Weight, per pair, 10 lbs. Pendant 9 in. long, 3½ in. wide, 2-16 in. thick. Suitable for doors from 1½ to 2½ in. thick, weighing from 200 to 500 lbs. Adjustment lateral and vertical; Track No. 16 Gauge, No. 115 Type. List price, per pair, $1.00. Retail price, per pair, $0.90.

No. 0 Wilbern Adjustable Door Hanger for Barn Doors

Vertical and Lateral Adjustment.

This hanger is designed especially for barn doors and for light factory doors. In the vertical adjustment a half-inch bolt passing entirely through the door is used instead of a cap screw. The plate is fastened to the door with flat head screws. Will run on any stock track from 1 inch to 1½ inch wide without jumping. Weight, per dozen pairs, 80 pounds.

ITS MERITS. It has lateral adjustment, which is secured by a threaded axle. This permits a door to be moved in or out, so that it can be hung close to the wall, or chafing on the wall can be easily corrected. It has vertical adjustment, which is secured by a plate and a ratchet. This permits a door to be moved up or down, so that it can be hung close to the floor, or scraping on the floor can be easily corrected. Double doors can be fitted snugly together. It can't jump the track, because held down by an adjustable stop, which passes under the rail. Price per pair, $1.00.

Track for Anti-Friction Barn Door Hanger No. 2.

This track is made of special carbon open-hearth steel 1 x 3-16 stock, and has heavy brackets well and substantially riveted to it at every 12 inches. The ends are made with tongue and groove to match. The track is made in 4, 6, 8 and 10 foot lengths. Price per foot, 4c.

Flexible Hinge Barn Door Hanger

Constructed with a lug extending upward around the bottom of the track, which prevents securely and prevents slipping of door under any circumstances. The door can be swung out from the bottom at any angle. This flexible feature allows the top of the door to move away from the building at least one-half an inch. The track is heavy special high carbon steel, 3⅛ x ⅜ inch, supported by a heavy steel bracket with square shoulders mortised through the track every 17 inches. adjustable carriers, per doz. pairs, $1.00; Retail price, per pair, 75c. Track, per foot, Factory price, per pair, 6c.

No. 243 Flexible Roller-Bearing Stay on Barn Door Hanger.

Runs only on 18 x 3⅛ special track. Two wheels to each hanger. Weight of door is distributed at all points on track. A grooved pulley screws for hangers and lag screws for brackets, and it is impossible for hanger to get off. Weight, doz. pairs, 165 lbs.; weight per 100 ft. No. 207 track, 165 lbs. Price per pair, $10.00; Retail price, per pair, $16.00; Retail price, per pair, 75c. Track, per foot, 50c.; Retail price, per pair, 6c.

No. 124½ Roller Bearing Barn and Fire Door Hanger.

The only Adjustable Double Apron made. Suitable for doors weighing 150 to 500 lbs. Adjustment individual and only. No. 1—For doors 1½ to 2½ in. thick; wt. 12 lbs. No. 2—For doors 2½ to 3 in. thick; wt. 12 lbs. List price, per pair...$4.50 Retail price, per pair, 50c. The ½ in the number 124½ signifies the return or double apron.

Anti-Friction Barn Door Hanger No. 2.

Pair of hangers consists of 3 to 12 inches. Each hanger is made a pair. Price per pair, 15c. Wood and Lag Screws.

Anti-Friction Barn Door Hanger No. 2.

For use on Barn Door Hangers. Price, each, 15c.
The York Grain and Fertilizer Drill.

Both the grain and fertilizer are positive force feeds, and will sow with absolute regularity any kind of grain or fertilizer in good condition. The grass seeder is also a force feed, and can be used either in front or rear of the hoe; also quantity can be changed to any amount necessary. It is fastened on the frame and very low down, thus preventing the wind from blowing the seed away before reaching the ground. The fertilizer feed can be stopped or started at any time while the drill is in motion, which makes it convenient in case the operator does not wish to sow fertilizer while going over good ground.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Hoe Pin</td>
<td>$85.00</td>
</tr>
<tr>
<td>9-Hoe Pin</td>
<td>$68.00</td>
</tr>
<tr>
<td>10-Hoe Pin</td>
<td>$71.00</td>
</tr>
<tr>
<td>11-Hoe Pin</td>
<td>$74.00</td>
</tr>
<tr>
<td>8-Hoe Spring</td>
<td>$70.00</td>
</tr>
<tr>
<td>9-Hoe Spring</td>
<td>$73.00</td>
</tr>
</tbody>
</table>

SPECIAL PRICES FOR CASH.

The Thomas Disc Fertilizer Drill.

The Celebrated "Marks" Fertilizer Feed is used on this Drill. The device for changing quantity is entirely new and has been thoroughly tested, and consists of a simple speed gear direct and adjustable mounted on the axle. The flow is stopped automatically when the discs are raised. When spotting shocks in sowing corn ground, can be thrown out of gear without raising the discs.

**DISC BOOT.**—Our Delivery Disc Boot is specially designed and very complete, and prevents choking or clogging in any soil. There is a chilled iron spindle, which will last for years, if it will ever wear out. The scrapers for discs are of spring steel, and are adjustable.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Disc Drill</td>
<td>$75.00</td>
</tr>
<tr>
<td>9-Disc Drill</td>
<td>$85.00</td>
</tr>
</tbody>
</table>

SPECIAL PRICES FOR CASH.

GRAIN DRILL TUBES.

- Plain Top
- Ring Flange
- Bell Top
- Flat Flange
- Galvanized Conductor

GRAIN DRILL POINTS

We are one of the largest distributors of GRAIN DRILL POINTS and TUBES in the country.

For all leading Grain Drills, including York, Superior, Pennsylvania, Bickford & Hoffman, Buckeye, Hoosier, Indiana, Champion, Empire, McSherry, Hagerstown, Greencastle, etc.

IN ORDERING POINTS, either send an old one or give name of Drill, length of point, and be sure to give distance from center of hole to end of point. It is always best, if possible, to send an old sample. If our customers will carefully comply with the foregoing directions it will be a mutual saving of an immense amount of time.

<table>
<thead>
<tr>
<th>Points, each</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10c.</td>
<td></td>
</tr>
</tbody>
</table>

IN ORDERING TUBES it is always best to send an old Tube as a sample. If that cannot be done, be sure to state name of Drill, the kind of Tube, whether ring flange or plain top, or special bell-shaped top with straps, and by all means the length and diameter at top and bottom.

<table>
<thead>
<tr>
<th>Tubing, each</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain Tubes, each</td>
<td>25c.</td>
</tr>
<tr>
<td>Bell Top Tubes, each</td>
<td>30c.</td>
</tr>
<tr>
<td>Flat or Ring Flange</td>
<td>30c.</td>
</tr>
<tr>
<td>Galvanized Conductors</td>
<td>40c.</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
OILERS.

We Carry in Stock a Full Line of Oil Cans for All Kinds of Farm Machinery; Also, Harvester Oils.

<table>
<thead>
<tr>
<th>CHACE ZINC OILERS.</th>
<th>PRICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>List-Doz. Retail.</td>
</tr>
<tr>
<td>0</td>
<td>$1.00</td>
</tr>
<tr>
<td>1</td>
<td>$1.25</td>
</tr>
<tr>
<td>2</td>
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<tr>
<td>3</td>
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<tr>
<td>4</td>
<td>$2.25</td>
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<td>5</td>
<td>$2.75</td>
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<td>6</td>
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<td>75</td>
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<tr>
<td>100</td>
<td>$100.00</td>
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<table>
<thead>
<tr>
<th>ROUND.</th>
<th>LITHO OILERS.</th>
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<tbody>
<tr>
<td>No. 690 — Bent or Straight Stem</td>
<td>Handsomely Lithographed.</td>
</tr>
<tr>
<td>Round, 10c.</td>
<td>Price, 10c.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>OVAL.</th>
</tr>
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<tbody>
<tr>
<td>No. 690 — Bent or Straight Stem</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bent or Straight Stem</td>
<td>20c.</td>
</tr>
</tbody>
</table>

| No. 701. | Copper-plated Steel Mowing Machine Oiling, 15c. each. |

<table>
<thead>
<tr>
<th>RE-THREADING ATTACHMENT WITH Interchangeable Dies.</th>
</tr>
</thead>
<tbody>
<tr>
<td>It Can Be Attached to All of the Elgin Wrenches of 1965 Pattern.</td>
</tr>
<tr>
<td>Price of attachment with one die retail price, 75c. each. Extra dies, retail price, 40c. each.</td>
</tr>
<tr>
<td>It is a Racheting Attachment and will re-thread damaged bolts in corners and angles without removing the bolt from its position to a vice. Extra dies can be had in 1-4, 5-16, 8-7, 10-8, 1-2 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MONKEY WRENCH PIPE JAW.</th>
</tr>
</thead>
<tbody>
<tr>
<td>When there is only a little work to do (not enough to warrant buying a pipe wrench) &quot;The Elgin&quot; Jaw on a monkey wrench will do it. Price, each, 30c. Will fit any ordinary 10 or 12-inch monkey wrench.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>W&amp;B&quot; MACHINISTS' SCREW WRENCH.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knife Handle.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;W &amp; B&quot; COMBINATION WRENCH.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Made of Crucible Steel—Bright Finish.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>&quot;ALWAYS READY&quot; WRENCH.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLD CHISEL.</td>
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</table>

<table>
<thead>
<tr>
<th>&quot;ALWAYS READY&quot; WRENCHES Special Steel, Forged, Tempered in Oil.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1—3 in. long.</td>
</tr>
<tr>
<td>No. 2—4 in. long.</td>
</tr>
<tr>
<td>No. 3—5 in. long.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;BULL-DOG&quot; WRENCHES.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWIN, 10 in. long.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;BULL-DOG&quot; WRENCHES.</th>
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<tbody>
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</tr>
</thead>
<tbody>
<tr>
<td>TWIN, 10 in. long.</td>
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</table>

<table>
<thead>
<tr>
<th>SPRING COTTERS.</th>
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<tbody>
<tr>
<td>Prices on application.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>COLD CHISEL.</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;COLD CHISEL.</td>
</tr>
<tr>
<td>1/2 in. 1/4 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COLD CHISEL.</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;COLD CHISEL.</td>
</tr>
<tr>
<td>1/2 in. 1/4 in.</td>
</tr>
</tbody>
</table>
THE BALTIMORE SHELLERS.

"BLACK HAWK"
Corn Sheller and Separator.

Weight, 14 Pounds.

SHELLS FAST, CLEAN, AND EASILY.
Black Hawk is simple, easily adjusted, and will shell clean all kinds of field corn. Price, $2.00.

No. 6.

Capacity, 125 bushels per day; single spout; left hand. Corn and cobs separated.
Without basket holder.................................................. $6.00
Basket holder extra...................................................... 60

"Easy" Corn Shellers.
SIMPLE, CHEAP.
STRONG, CONVENIENT.

No. 4 SINGLE SPOUT.

Weight, 15 Pounds
Price, $1.25.

Red Chief Corn Sheller.
A first-class Sheller.
Handy, convenient—can be fastened to box or tub.
Price............. $1.75

Pony Corn Sheller.
Separates corn and cob. Fan will clean corn for market.
Capacity, 125 bushels a day.
Price.................. $1.50

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Baltimore Sheller No. 20

Double Sout.
Hand and power, with shaker, belt and flywheel. Capacity, 200 bushels per day. Capacity by power, 500 to 600 bushels. No. 15 similar to No. 20, but without shaker and with screen at bottom to take out dust or dirt.

Price:
No. 20, with shaker, $14.00.
No. 15, $12.50.

Baltimore Sheller No. 2

Singe Hole.
Cleans the corn thoroughly.
Heavy flywheel, wrought spokes.
Capacity of 125 bushels per day.

Price:
Without basket holder, $8.50
Basket holder extra, 60c.
Feed table extra, $1.00.

Owens' Wheat Cleaner and Cockle Separator.

The Owens takes out more Cockle and Fool seeds than any other Fan made.
Increases Price of Grain 10 to 20 Per Cent.

Old Dominion Grinding Mills

Capacity from 1 to 2 busieas per hour, according as the mill may be set for fine or coarse grinding. Note flat construction of balance wheel. May be adjusted for grinding meal for table use or only for cracking the grain.

No. 1 F W, $3.00
No. 21, 4.00

Old Dominion Hand Corn Sheller.

Style P.

The Baltimore Improved Grain Fan.

Will clean from 60 to 100 bushels per hour. Made of best material and finished in a neat and tasty manner.

Price, $20.00.
Special Price for Cash.
Maryland Lever Cutter. "OHIO" HAND FEED CUTTER

<table>
<thead>
<tr>
<th>Length of Knives</th>
<th>Number of Knives</th>
<th>Length of Cut</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4</td>
<td>2</td>
<td>2/3, 3, 4</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

Less 30 per cent. retail.

"Ohio" Standard Feed and Ensilage Cutters

No. 11—With shredder blades only... $40.00
No. 12—With shredder blades only... 60.00
No. 13—With shredder blades only... 80.00
No. 14—With shredder blades only... 100.00
No. 15—With shredder blades only... 120.00
No. 16—With shredder blades only... 140.00
No. 17—With shredder blades only... 160.00

Shredder blades—For No. 13, $3.00. No. 16, $3.75. No. 18, $4.50. No. 19, $5.35 each.

Less 30 per cent. retail.

BLOWERS AND CUTTERS

<table>
<thead>
<tr>
<th>No. CARRIERS AND CUTTERS.</th>
<th>Revs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13—4 to 6 H. P.</td>
<td>Speed, 450 to 600</td>
</tr>
<tr>
<td>18—8 to 10 H. P.</td>
<td>&quot; 450 to 600</td>
</tr>
</tbody>
</table>

The power here given on Carriers is applicable when cutting green ensilage.
"Ohio" Self-Feed Ensilage Cutter with Direct Blast Blower Elevator.

The principal points to be observed in a power cutter and blower are capacity, strength, construction and durability. These are all found combined in the Ohio Monarch. The same can be said of the entire machine. We present for the first time a new line of Silage Cutters and Blowers, the "Ohio" Monarch, Nos. 11, 17, 19 and 20. The machines are built on lines similar to the No. 13 as made last year, but with improved front hood, the Nos. 11 and 17 being entirely new to meet the demand for medium-sized but strong and powerful machines. The blower is the regular "Ohio" Blower, and the entire machine is heavier and stronger than the well and favorably known "Ohio" Standard machines.

The blower elevator is the same as used so successfully last year. The reduced diameter of the fan case fully demonstrated its superiority, and resulted in the saving of much power, a very important point. As compared with the "Ohio" Standard machines, there is more weight and capacity all through. The frame is heavier and well braced. The knife shaft is steel, 1/2 inches in diameter. The knife heads are very much heavier, the cylinder larger in diameter, and there are four strong bolts in each knife in addition to the adjusting set screws at the back. The raise of the feed rolls is greater, thus giving more throat capacity and better feeding qualities. The conveyor between the knives carries the cut silage into the fan case. A wire screen covers the outer end of the conveyor case.

The traveling feed table is the full width of the machine and 5 feet long, taking a bundle of corn readily. The gearing is very strong, and is positively guaranteed against breakage when cutting corn.

The new patent-applied for shredder blade should be run at 600 to 700 revolutions per minute while shredding, and is a notable advance in construction, enabling the operator to shred dry fodder or cornstalks with the blower. There is a great saving in power also as compared with the teeth or saw-blade type of shredder, besides saving the leaves in much better condition. No. 14, capacity 12 to 15 tons per hour, 10-horse steam-power: No. 17, capacity 15 to 20 tons per hour, 10 to 15-horse steam-power: No. 19, capacity 20 to 25 tons per hour, 15 to 15-horse steam-power. Speed, 650 to 700 revolutions per minute. Pulley, 40 by 14 inches, leather covered.

SIZES AND PRICES.

No. 14 "Monarch" Cutter, four 11-inch knives, cuts 1 1/2, 2 1/2 and 1 inch, and Blower complete with new distributor for top of pipe. $175.00

No. 17 "Monarch" Cutter, four 12-inch knives, cuts 2, 3 1/2 and 1 inch, and Blower complete with new distributor for top of pipe. 250.00

No. 19 "Monarch" Cutter, four 13-inch knives, cuts 3, 3 1/2 and 1 inch, and Blower complete with new distributor for top of pipe. 305.00

No. 20 "Monarch" Cutter, four 14-inch knives, cuts 3 1/2, 4 1/2 and 1 inch, and Blower complete with new distributor for top of pipe. 350.00

No. 26 "Monarch" Cutter, four 16-inch knives, cuts 4 1/2, 5 1/2 and 1 inch, and Blower complete with new distributor for top of pipe. 400.00

10-inch galvanized pipe in 4, 5, 6 and 7-foot lengths for No. 14, No. 17 or No. 19 Cutter, per foot. 90

Extra gears to cut 4 inches long with two knives. Nos. 14, 17, 19. 5.50

Shredder blades for No. 11, $1.50; No. 17, $4.75; No. 19, $4.50 each.

Less 30 Per Cent. Retail.

"Ohio" Self-Feed Ensilage Cutter.

SHOWING NEW METAL BUCKET SWIVEL CARRIER.

Boiler or Steam Feed Cooker.

SIZES AND PRICES.

No. 1—19 in. shell; height over all, 54 in.; 9 flues; 25 lbs. $35.00

No. 2—19 in. shell; height over all, 55 in.; 19 flues; 30 lbs. $10.00

Price includes two gauge cocks, blow-off cock, pump, safety valve, 2 ft. 6 in. suction hose, 3 ft. steam pipe, with valve to convey steam to boiler or vat.

Special Price for Cash.

Steel boiler with lap-welded flues, well riveted and caked, capable of standing 150 lbs. hydraulic pressure, and carrying steam pressure of 100 lbs. to the square inch. Fire-box provided with grates adapted to burning all kinds of fuel; will cook or steam feed placed in a barrel or vat, with but little care and without danger of burning.
APPLETON CORN HUSKER.

Husking device is perfect. There is no husking device on the market that works on a different principle that will, under equal conditions, husk so clean without clogging, shell so little corn and consume so little power as the Appleton. No large pegs, screws or similar devices to take off husks. Husking rolls, built on the only correct principle, different from all others, positively do not and cannot angle up, the knives running through entire length of each alternate roll entirely overcoming this objectionable feature.

An exclusive feature of the swivel blower is that there are no abrupt angles, which in other blowers cause clogging. The hood at end of blowers can be turned in any direction; both pipe and hood are galvanized.

SWIVEL EAR CARRIER—Another exclusive feature is that it is the only carrier that can be run straight out from the husking rolls at any desired angle, or to either side of machine. The angle of elevation is adjustable so that corn can be elevated into a wagon or crib.

Built in three sizes—No. 14 2-roll machine; No. 18 4-roll machine; No. 24 6-roll machine. Furnished with or without truck.

Cut shows how husking rolls, shaker shaft and cleaner fan are driven by a single heavy belt from main shaft. The only sprocket chain used is for driving the swivel ear-corn carrier.

No. 14—Two-Roll Husker, with cutter head, swivel, ear-corn carrier, 20-ft. blower, with belt and wheel mounting. $210.00
No. 18—Four-Roll Husker, with cutter head, swivel, ear-corn carrier, 20-ft. blower, with belt and wheel mounting. $275.00
No. 14—Husker with sheller head instead cutter head $225.00
No. 18—Husker with both sheller and cutter head. $305.00
No. 24—Six-Roll Husker, with cutter head, swivel, ear-corn carrier, 20-ft. blower, with belt and wheel mounting. $487.50
No. 24—Husker with sheller head instead cutter head $300.00
No. 24—All for both cutter and sheller head, with $415.00
Blower pipe, extra length, per foot.............. 1.10

We recommend with cutter head—No. 14, 2-Roll—1 to 8 H.P. No. 18, 4-Roll—6 to 8 H.P. No. 24, 6-Roll—8 to 10 H.P.

SPUR AND BEVEL GEAR JACKS.

Intended to increase speed and transmit power by belt. Spur gear transmits motion at right angle with tumbling rod, and bevel gear transmits in line with tumbling rod and gives hand wheel two revolutions to one of tumbling rod.

Heavyweight Jacks. $12.00. Lightweight Jacks. $10.00

STALK CUTTER.

6-blade, single row. 7-blade, single row.
Price.... $27.00 Price.... $29.00

6-blade, double row. Price $50.00

This is practically an all-steel frame machine, making it neat of construction and giving it ample strength beyond question. The wheels are all steel, with removable box and 2-inch tire.

The lever is within easy reach of the operator and is connected with pressure spring which connects with the cylinder or knife heads, and with which can be applied even pressure at all times on the knives. For certain sections of the country, and when especially ordered, we equip machine with axles that run through cylinders.

Scientific Corn Harvester No. 1.

Knives 2 feet apart at points and 6 feet 9 inches apart at heel. Safety belts protect operator and Adaptable Safety Shafts protect the horse.

The cut can be adapted from inches to 14 inches high. In same frame and mal- lable iron parts, making it strong and durable.

Steel knives tempered. Set on wings so as to give an easy upward shearing cut. Steel wings and will not be knocked off. Operator sits down while at work. Weight, 300 pounds.

Cut Raw-Hide Belt Lacing.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Baltimore Special Cider and Wine Mill.

Similar to the wine and cider mill shown in an annexed cut, only it is larger, and will take larger apples, and, being a geared mill, will do much more rapid work. Price $10.50.

1898 Turntable Apple Parer.

A strong, rapid, durable machine. Pares very close at both ends of the apple. When passing the end of the fork the knife recedes, leaving ample room for placing the apple on the fork. Does not core or slice. Push-off is automatic. Price $0.75 each.

Wine and Cider Mill

This is a very handy little mill for making a small quantity of cider, 5 or 10 gallons at a time. All of the juice of the apples can be gotten out, but not so rapidly as with the other styles on this page. It is really intended more for grinding grapes and other small fruit for wine, and is so constructed as not to crack the seed.

No. 0—Single Cage Mill $8.50
No. 1—Single Cage Mill 10.00

"Junior" Hand Cider Mill.

This Mill is almost identical with the "Medium" and "Senior," except it is smaller, and it has only one handle. In the preparation of the pomace for cider, it is the same in all its parts. Price $12.50.

"Medium" Hand Cider Mill.

A compromise between the "Junior" and "Senior," and a general favorite. Has only one handle. Price $17.00.

"Senior" Hand and Power Cider Mill.

This is our largest-sized Mill, adapted for hand or power, with a detachable handle on either side. The top set of rolls first mash the fruit fine, and the bottom set grinds it, thoroughly breaking all the cells, so that the cider is entirely extracted. These mills produce more cider to a given quantity of apples than any other Mill on the market. Price $20.00.
THE SCIENTIFIC CORN AND COB MILLS.

STYLE H.—No. 1.

Has double breakers, partition hopper, pin breaker and safety bottom. It grinds ear corn or any kind of small grain separately, or any two or more mixed, for feed.

GRINDING PLATES.—10 inches in diameter, and can run only in one direction—to the right. Can furnish an extra set free in this style of mill, but in no other, as all others are reversible.

PULLEY.—Furnished an 8-inch diameter, 3/4-inch face pulley, this special size is ordered, which can be furnished without extra charge.

SPEED.—Horses, 200 to 300 revolutions per minute; steam, 1000 to 2500.

CAPACITY.—Ear corn, 3 to 5 bushels. If corn is new or wet, the work can be done, but not so fast. Shelled corn, 3 to 5 bushels per hour. All kinds of small grains separately, or corn and oats or other grains mixed, to 5 bushels per hour. Weight, 50 pounds.

Price of This Mill, Complete, With Extra Set of Plates—$65.00.

STYLE L.—No. 1.

Has double breakers, with partition hopper, pin breaker and safety bottom. It grinds ear corn with shocks on, shelled corn, oats, rye, barley, cheat screenings, or any kind of grain separated to a more mixed, or finely ground.

GRINDING PLATES.—12 inches diameter, of extremely hard metal, and very durable. Are reversible and self-sharpening, having double the capacity of non-reversible plates.

POWER.—6 to 12 horses to sweep power; 6 to 10 horse steam power.

PULLEY.—8-inch diameter, 6 1/2-inch face; can be furnished larger if desired, without extra charge.

SPEED.—Steam power, 1000 to 2500 revolutions per minute; horse, 800 to 1000 revolutions.

CAPACITY.—Ear corn with shocks on, 20 to 30 bushels per hour; for shocks off, 15 to 20 bushels. If corn is new or wet, the work can be done equally as well, but not so fast. Shelled corn, 25 to 40 bushels per hour. All other small grains separately, or corn and oats or other grains mixed, 15 to 20 bushels per hour.

Price—$75.00.

Scientific No. 5 Triple-Geared Sweep Mill

This mill is similar to the Scientific No. 6, except it is smaller, and without tilting hopper about one-third less capacity. Mounted on a box. Very convenient. Double action, easy handling. Complete in every particular. Does first-class work. Can be furnished without pulley, at a sacrifice of $25.00.

We also carry a plain sweep power mill. Single action. Grinds successfully ear corn and all kinds of small grain, one or two-horse, capacity about 400 bushels per hour. Price—$20.00. Special Discount for Cash.

Scientific No. 6 New Geared Sweep Mill

Its gearing consists of three gear pinions, which revolve independently on a fixed shaft. The mill grinds successfully all kinds of ear corn, but is especially effective and rapid on unity corn, and our double-action mechanism, which is applied to these mills, prevents any clogs lodging in hopper at the end of a run. Its capacity is 15 to 20 bushels per hour. Weight of mill, 700 pounds. Price—$25.00. Extra plates and two baskets, $35.00. Special Discount for Cash.

LITTLE GIANT CORN CUTTER.

Foot power or engine by attaching pulleys. 30 to 40 bushels corn per hour. Cuts to 12 inches long; weight, 150 pounds. 125 revolutions per minute. Price—$15.00 f.o.b. factory.

Scientific No. 30.

Same general type as No. 20, but larger, and has greater capacity. Sold with 3 to 5 1/2-horse power engines. Will grind any kind of grain from ear corn to millet into good grades of cattle feed.

All pulleys 6 in. face furnished of proper diameter to suit power and speed of engine. Crusher consists of a series of interlocking cams, provided with projecting choppers, extends around to a hollow core, arranged spirally on a shaft. Grinding plates 10 in. diameter; each mill furnished with two sets; one for grinding ear corn, the other for shelled corn. Hopper holds 2 1/2 bushels; mill is 38 inches high, weighs 300 pounds. Capacity 20 to 60 bushels ground feed per hour. When ordering, give speed of engine and diameter of pulley. Price—$40.00.

Scientific Combined No. 20

EAR CORN; SMALL GRAIN MILL

For 2 and 4 H.P. Gasoline Engine, with 2 or 3 1/2-horse power or with a 2 or 3 1/2 HP. Engine, this mill will grind shelled corn, oats, rye, barley, wheat, and all small grains at rate of 10 to 20 bushels per hour; or 4 to 6 1/2-horse power with an engine, with 1 1/4 HP. Gasoline Engine, will grind any amount of corn or wheat into an excellent quality of feed. The mill is all steel and iron, except hopper and legs, which are of wood. Has two sets of grinding plates—one for medium and other for fine grinding. Pulley of proper size furnished with each mill to obtain right speed, according to power used. Speed 200 to 300 revolutions per minute. Run with 1 1/4 belt. When run with 2 1/2 HP. Engine, should be run at less speed than when run with a 4 or 6 HP. Engine. Weight, 225 pounds.

Price—$30.00.


At the ordinary speed of 15-1/2 feet per minute the one grinding plate makes 30 revolutions to one round, the other revolution with each round of team. The grinding plates revolve in opposite directions. Power attachment is furnished separately, but sheller, feed cutter, saw or similar machines can be operated when grinding is done; plates can be removed and mill used only as a power; 12 ft. milling rod with each attachment; we furnish pulley 15 x 1, 20 x 1, or 24 x 1; tumbler rod makes 35 revolutions to one round of horses.

Shelling weight 1300 pounds. Length of sweep, 12 feet. Capacity—Small grain, 12 to 15 bushels per hour; 2 horses; 10 to 15 bushels of ear corn, according to condition of grain and strength of feed; proportionately increased with 4 horses.

Price of Mill for Small Grain and Ear Corn, Complete with Two Lever, $65.50, Special Discount for Cash.

No. 5 Stover Buckeye Cob Mill and Power Combined.

For grinding ear corn or small grains.

A rapid-grinding Corn and Cob Mill.

A mill that grinds finer than any other Ear Corn or Small Grains without change of plates.

Capacity—Small Grain, 10 to 15 bush per hour. Ear Corn, 8 to 12 bus. per hour.

Price, 2 Sweeps, $30.00. Less Special Discount for Cash.

SCIENTIFIC COMBINED No. 20 EAR CORN AND SMALL GRAIN MILL

For 2 and 4 H.P. Gasoline Engine, with a 2 horse-sweep power or with 2 or 3 1/2 HP. Engine, this mill will grind shelled corn, oats, rye, barley, wheat and all small grains at rate of 10 to 20 bushels per hour; or 4 to 6 1/2 horse-sweep power or 4 1/2 HP. Gasoline Engine, will grind same amount of grain corn into an excellent quality of feed. The mill is all steel and iron, except hopper and legs, which are of wood. Has two sets of grinding plates—one for medium and other for fine grinding. Pulley of proper size furnished with each mill to obtain right speed, according to power used. Speed 200 to 300 revolutions per minute. Run with 1 1/4 belt. When run with 2 1/2 HP. Engine, should be run at less speed than when run with a 4 or 6 1/2 HP. Engine. Weight, 225 pounds.

Price—$30.00.

Special Discount for Cash.

The Friction Clutch Pinion prevents breakage of Cogs, etc.

Prices on Power Mills Subject to Special Discount.
Spout Waldron Combined Monarch Corn and Cob Outfit.

This Mill consists of one Monarch Standard and one Crusher combined.

MONARCH

These mills are heavy, strong and durable.

Furnished with ball bearings, and the shells are babbited, turned and bored. Well built and designed for farm use.

12-inch Monarch Standard French Burr Mill.

Dimensions — Length over all, 49 inches; width over all, 24 inches; height over all, 32 inches; distance from floor to center of shaft, 15 inches; floor space occupied 22 3/4 inches square; driving pulley, 8 inches diameter, 5 inches face, covered with leather; weight, 500 pounds.

Speed, Capacity etc. — 1,000 to 1,200 revolutions per minute; capacity, 3 to 7 bushels of table meal, 12 to 15 bushels feed meal per hour. Power required, 6 to 10 horse-power.

Price — List, $137.50. Retail, f. o. b. factory, $132.75; f. o. b. Baltimore, $137.00.

16-inch Monarch Standard French Burr Mill.

Dimensions — Length over all, 56 inches; width over all, 25 inches; height over all, 32 inches; distance from floor to center of shaft, 12 inches; floor space occupied 28 1/2 inches square; driving pulley, 10 inches diameter, 6 inches face, covered with leather; weight, 800 pounds.

Speed, Capacity etc. — 890 revolutions per minute; capacity, 10 to 12 bushels of fine table meal, 20 to 25 bushels feed meal per hour. Power required, 8 to 10 horse-power.

Price — List, $190.00. Retail, f. o. b. factory, $184.00; f. o. b. Baltimore, $190.00.

Higbie Self-Acting Oats Cleaner.

This Cleaner will remove one bushel of dust, dirt, stones, sticks, etc., from every 25 to 30 bushels of cleaned oats; or, in other words, each horse chokes down 7 to 10 bushels of dust, dirt, etc., per year, unless all oats are drawn through a Higbie Self-Acting Oats Cleaner.

Extending from top to bottom of the Cleaner are 11 downwardly inclined screens, operating in pairs. Below each pair of screens is located an A-shaped table; thus the oats fall alternating from the screens to the tables, the object of the A-shaped tables being to divide the oats and give them a very rapid impetus before depositing the next set of screens.

The operating valve is located in the top of the cleaner. Directly below this is a large coarse grate, which permits the oats to pass through, but throws off everything larger, such as stones, sticks, glass or any coarse trash that may be in the oats. Below this grate are the zig-zag screens and the tables extending through the entire Cleaner to the discharge spout below. The dirt box is in the base of the Cleaner, and may be emptied through a hand-hole in the bottom.

Price $18.00.

In use by Express Companies, Fire Departments, Balto. Transfer Co., Armour, Swift, etc.

Crusher is driven from the mill spindle by 3-inch belt. Capacity is carried to crusher mill hopper by elevator, saving extra handling. Need only be run while grinding ear corn; can be stopped or started at any time while mill is in motion.

PRICES AND CRUSHER COMBINED.

<table>
<thead>
<tr>
<th>Floor No.</th>
<th>List</th>
<th>f.o.b. Factory, Balto.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-36x36-inch floor space; capacity, 16 to 20 bushels feed meal per hour; weight 350 pounds. Factory list, $50.00. Retail, f. o. b. Factory, $40.00; f. o. b. Baltimore, $47.00.</td>
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</table>

20-inch Monarch Standard French Burr Mill.

Dimensions — Length over all, 67 inches; width over all, 27 inches; height over all, 41 inches; distance from floor to center of shaft, 16 inches; floor space occupied 34 1/4 inches; driving pulley, 12 inches diameter, 8 inches face, covered with leather; weight, 1,356 pounds.

Speed, Capacity etc. — 900 revolutions per minute; capacity, 15 to 20 bushels fine table meal, 40 to 50 bushels feed meal per hour. Power required, 15 to 20 horse-power.

Price — List, $240.00. Retail, f. o. b. Factory, $180.00; f. o. b. Baltimore, $171.00.

24-inch Monarch Standard French Burr Mill.

Dimensions — Length over all, 78 inches; width over all, 32 inches; height over all, 48 inches; distance from floor to center of shaft, 17 inches; floor space occupied 49 1/4 inches; driving pulley, 16 inches diameter, 8 inches face, covered with leather; weight, 2,500 pounds.

Speed, Capacity etc. — 800 revolutions per minute; capacity, 20 to 25 bushels fine table meal, 60 to 70 bushels feed meal per hour. Power required, 20 to 25 horse-power.

Price — List, $320.00. Retail, f. o. b. Factory, $260.00; f. o. b. Baltimore, $271.00.

30-inch Monarch Standard French Burr Mill.

Dimensions — Length over all, 79 inches; width over all, 39 inches; height over all, 54 inches; distance from floor to center of shaft, 20 inches; floor space occupied 60x53 inches; driving pulley, 20 inches diameter, 8 inches face, covered with leather; weight, 2,500 pounds.

Speed, Capacity etc. — 700 revolutions per minute; capacity, 25 to 30 bushels fine table meal, 70 to 100 bushels feed meal per hour. Power required, 25 to 30 horse-power.

Price — List, $420.00. Retail, f. o. b. Factory, $360.00; f. o. b. Baltimore, $325.00.

Scientific Iron Center Burr Stone Mill No. 34.


An entirely new type of Burr Mill for grinding ears of shelled grain, wheat, rye, oats, barley and other small grains. The center of the grinding surface consists of a pair of movable 3-in. semi-steel grinding discs into which the grain is fed, and there being brushed to a certain degree of fineness, it passes to the burr stone outer surface. The grinding process is complete yielding a fine, smooth product. The burr stones and semi-steel plates are adjustable and the quality of grinding is controlled by a small hand wheel and screw. Can be operated from 4 to 110 revolutions per minute. It has a capacity of from 12 to 40 bushels, per hour, according to the pressure applied to the character of the grinding. It will grind corn meal, at the rate of from 18 to 20 bushels, per hour, which will cost 75 cents per cent. Table meal, weight, 500 pounds.

Price, $85.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
GASOLINE ENGINES.

A gasoline engine on the farm is no longer regarded as an innovation and a luxury. It is one of the necessities. The blinder, harrow and planter are used a few years each season, but the gasoline engine is used all through the year. It is an every-day friend and a most valuable one in these days when good farm help is so scarce. Gasoline engines have passed the experimental stage. We offer here a line of engines that is sound and practical. Our engines are simple and reliable. They are the product of the most successful factories and are the result of years of experience in the manufacture of gasoline engines and a careful study of the requirements of the farmer, who must have a powerful, reliable, well-made engine that is free from trappy devices. Don't buy an engine without getting our special catalogues and prices.

WE HAVE THE BEST LINE OF FARM AND FACTORY ENGINES.

ALAMO GASOLINE ENGINE.

THE ONE THAT APPEALS TO PRACTICAL MEN.

In buying an engine, as in buying a horse, you must look at points and pedigree. The Alamo Engine invites your closest scrutiny. It is built in a large and thoroughly modern factory. The company is offered by men of standing in their community. The mechanical and engineering departments are under the supervision of men who are gas engine experts and have a practical and scientific knowledge of the subject, and not a mere smattering of information along these lines. The material used is in all cases that best adapted to the purpose. Each Alamo Engine is rigidly inspected and must respond to every test before it is allowed to leave the factory. There is no element of chance. The engines must be right before they receive the O. K. of our inspectors.

If you are going to invest in a gasoline engine, is not this the kind of engine you want in exchange for your money? Then, too, an Alamo Engine is easy to operate. Its mechanism is readily mastered, and any bright boy or man can run one. An Alamo Engine is an "easy keeper." Some engines require a wizard or a mechanical expert to get any work out of them. An Alamo Engine is an "easy keeper." That is, it will do a good deal of work with a small amount of fuel. There's a reason why.

The carburetor used on Alamo Engines admits of no waste of gasoline. Each charge is regulated by the air valve and burned in its proper place in the combustion chamber, and is not shot into the exhaust pipe and wasted. As the gasoline is drawn from the spray cup on the suction stroke of the engine, it passes through fine slots in the spray plane, and the particles of gasoline are thus broken up or sprayed, and become thoroughly mixed with air before being drawn into the igniter chamber. By this method, every mixture is a perfect charge and will explode when fired in any temperature. So you will observe that not only does our carburetor give a mixture that can be regulated for atmospheric conditions, but gives the most economical mixture—the greatest amount of air and the smallest amount of gasoline in combination, that will assure a perfect charge.

Just stick a pin in that last sentence. Air is cheaper than gasoline, and air is just as essential as gasoline. It is the proper combination of the two that does the work, and the mixing device that will properly combine the greatest amount of air with the least quantity of gasoline is the mixer that will save you money every day you run your engine. Incidentally, it is very satisfactory to be able to start your engine on a cold winter morning as easily as on a hot day in the summer. You can do it with an "ALAMO."

The Alamo Engines have been examined and approved by the National Board of Fire Underwriters. Write for Special Catalogues.

<table>
<thead>
<tr>
<th>Ideal Alamo Portable Engine.</th>
</tr>
</thead>
<tbody>
<tr>
<td>This is our popular farm portable outfit. It is remarkable for its simplicity and the ease and steadiness with which it runs. The prices given include the new style circulating water device, as shown on the illustration of the semi-portable outfit, and also a high-grade friction clutch pulley. We call special attention to these points.</td>
</tr>
<tr>
<td><strong>PRICES:</strong></td>
</tr>
<tr>
<td>3-H. P. Ideal Alamo Portable Engine, complete with new cooling device and friction clutch pulley</td>
</tr>
<tr>
<td>6-H. P. Ideal Alamo Portable Engine, equipped as above</td>
</tr>
</tbody>
</table>

ALAMO GAS ENGINES.

HENRIK'S MAGNETO.

FOR USE WITH GASOLINE ENGINES.

High grade. Always ready. Price ....................... $12.50

3-H. P. LION ENGINE.

We illustrate here our 3-H. P. Lion Engine, which we offer to those wishing a simple and efficient Gasolene Engine for running a wood saw, feed mill, fodder cutter, etc. It comes complete on skids ready for the wheel and gasolene tank in base. Has fly-ball governor and speed can be changed without the engine being hauled from the ground. Its 8-in. stroke, balance wheels weigh 110 lbs. each. Igniter is simple and effective, being make and break type. This is just the engine for the farmer wishing something good and reliable at a moderate price.

Price ....................... $160.00
“New Model” Pumping Engines.

SIMPLE. RELIABLE. CONVENIENT. ECONOMICAL.

These Engines are strong and durable, built of extra heavy castings. Nothing but the best of materials enters into their construction. These Engines are not experiments, but are built along well-established lines of good Engine construction. They are of the four-cycle type, which is by far the most satisfactory. They are provided with pumping gear, latest improved hammer-break igniter. The “New Model” Engine is extremely economical in fuel and is a good power developer. It is very simple, easy to start, and it is an Engine that we can guarantee and recommend to our customers.

**NEW MODEL** No. 1—This is a 2-H. P. Engine suitable for all 2-H. P. farm work; occupies a space of 32.22 inches, has a pulley six inches good. Suits with the engine and when rated for shipment, weighs 500 pounds. Price $100.00

**MODEL** No. 1—A 1½-H. P. Engine, similar to above. $90.00

**NEW MODEL** No. 2—This Engine is like the No. 3, except that it is intended for shallow wells and has pump attached to Engine. The pump will lift 40 barrels of water per hour to a height of 120 feet. It is directly connected to Engine, but can be easily disconnected in a minute or two and the Engine used for general power purposes. For water-supply purposes in mills, factories or country places it stands without a peer. On account of cylinder being at the surface, it will not pump from a well or cistern where the water is over 22 feet below the Engine. Price $150.00

**NEW MODEL** No. 3—Like the Model No. 1, this is a 2-H. P. Engine, but differs from the Model No. 1 in that it has only one flywheel and a pump-jacket attachment to the side of the Engine, so that it can be readily attached to any pump of the windmill variety in a minute’s time. The pump gear can be disconnected and the Engine used for power purposes. It occupies a space of 39 x 39 inches, and is fitted with an 8-inch pulley. It is automatically governed and weighs, when crated for shipment, 386 pounds. For both deep and shallow well-pumping it is unequalled and will operate any pump requiring not more than 2-H. P. The pump beam is arranged to give a slow upward and more rapid downward stroke, making it possible to lift more water with less wear on the pump than if both strokes were equal. Price $250.00

**MODEL** No. 3—1½-H. P. Price $115.00

**No. 1 PUMP JACK.**

Designed for use with our Gasoline Engines. Very desirable where Engine is to be used for other purposes than pumping. Suitable for wells not over seventy feet deep. Suits almost any windmill pump. Price $10.00

**No. 2 PUMP JACK.**

Similar to No. 1 Jack, but heavier, being designed for deeper wells. Price $12.00

If you want an Engine for pumping, and would like a steady Jack, we recommend our New Model No. 3, which requires no extra Jack on pump.

**Gould’s New Combination Pumping Head.**

Figs. 1427, 1428, 1429, 1430.

For Wells 50 to 125 Feet Deep.

A very strong, compact machine for operating deep well cylinders, such as our Figs. 1250, 1251, 1252, and 1256, either by hand-power, windmill or belt from line shaft, gas or gasoline engine. The strokes are adjustable, 6, 8 or 10 in. The compression bib spout is fitted for 1-in. hose. By removing the bolts that secure the stuffing box and disconnecting the well rod from the crosshead, a 2½-inch plunger can be drawn up through the base without removing the head or disturbing the piping, which is a very desirable feature, especially for tubular or bored wells. All the bearings are of babbitt metal and provided with grease boxes, making a very smooth, easy-running machine of great durability. Suction 1½ to 2½, as ordered. List Price $40.00 Retail price 25.00 (Cylinder extra.)

**Bulldozer Power Pump.**

The Fig. 800 Bulldozer Pump, shown above, has been constructed with special reference to power, strength and capacity. Has 5-inch brass-lined cylinder, double action plunger and back geared flywheel. Recommended for good work under heavy pressure. List price $75.00; Retail price $50.00.

**ELECTRIC LIGHTING OUTFITS.**

We illustrate here our special Gas Engine Type Dynamo and you will note the heavy flywheel and extra bearing. We put the metal where it does the most good, and the Engine runs 250 revolutions and the dynamo at 1800. It is apparent that, say, a 200-lb. flywheel on the dynamo will do as much good running at 1800 revolutions as 7½ times the amount of metal, or 1560 lbs. on an Engine running at 250 revolutions. If you want to run an electric light plant with a Gasoline Engine you want an engine of this type, that is, if you want a steady light.

**ALAMO STANDARD ELECTRIC LIGHT ENGINES** are constructed especially for the purpose and are equipped with throttling governor to insure steadiest possible motion.

Special circulars of Electric Lighting Outfits free on application.

New Model No. 1.

New Model No. 2.

New Model No. 3.

Bulldozer Pump Operated by Engine.
It is now possible to supply water under strong pressure to any buildings out of reach of the city water mains, which were previously isolated from a city water system. The man living in the country may have an ample supply for plumbing connections in the bath room, kitchen, laundry, lawn, garden, stable—anywhere. Besides, the buildings will be protected from loss by fire. This service is made possible by

**THE KEWANEE WATER SYSTEM.**

The main feature of the Kewanee System is the pneumatic or air pressure tank. It may be placed in the cellar or buried in the ground. Water from the well, cistern or spring or other source of supply is pumped into this pneumatic tank. The tank is air-tight; and as water is pumped into it, the air is compressed. When it is two-thirds full, all the air will be compressed into the upper one-third space. At that point, there will be a pressure of 60 pounds under ordinary conditions. A good average pressure is 40 pounds, which will elevate water about 93 feet.

**THE KEWANEE PNEUMATIC TANK**

rests on solid ground, where it can do no damage. It is thoroughly protected from all extremes in weather, offering a frost-proof water system in the winter, and storing the water in a fresh, usable condition in the summer. It is made of steel, so that it will last indefinitely. It is easily operated and is not complicated. **KEWANEE OUTFITS** are made in sizes to suit the smallest cottage or the largest buildings or group of buildings. We have the agency for this system and will gladly furnish complete descriptive literature on request.

**GOODHUE AND GEM WINDMILLS AND TOWERS.**

On account of lack of space we are unable to give here a detailed description and complete price list of these goods, but have special catalogues of windmills and towers, and will be glad to mail them to anyone on application; and if you are considering the erection of Sub-Structures or Towers for these Tanks, we will consider it a favor if you will tell us your requirements and let us make you an estimate.

**FOR WINDMILL PUMPS.—See Page 81.**

**STORAGE TANKS AND SUB-STRUCTURES.**

We handle a full line of Storage Tanks, both round and square, made of Cypress or White Pine; also a line of angle steel and tubular Sub-Structures or Towers for these Tanks. Estimates and detailed information cheerfully furnished.

**GOULD'S IMPROVED HYDRAULIC RAM**

The Hydraulic Ram is an automatic device for elevating water. Wherever a flow of water with a gradual fall can be obtained, a portion of the water may be forced to a considerable height. The slight expense for first outlay and maintenance considered, renders them most desirable for supplying running water.

**GOULD'S IMPROVED RAMS** are the result of over forty years experience in manufacture and practical use. All castings are strong and well proportioned. The air chambers are larger than those of other makes, which, with our improved design of bronze impetus valve and case, enables us to offer the most efficient and reliable Ram in the market.

<table>
<thead>
<tr>
<th>Size</th>
<th>Supply per Minute to operate Ram</th>
<th>Pipes</th>
<th>Drive</th>
<th>Disch</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>2 to 3 gals.</td>
<td>2½ in.</td>
<td>¾ in.</td>
<td>¾ in.</td>
<td>$ 9.60</td>
<td>$ 6.00</td>
</tr>
<tr>
<td>No. 3</td>
<td>2 to 4 gals.</td>
<td>1 in.</td>
<td>½ in.</td>
<td></td>
<td>11.00</td>
<td>7.50</td>
</tr>
<tr>
<td>No. 4</td>
<td>3 to 7 gals.</td>
<td>1½ in.</td>
<td>¾ in.</td>
<td></td>
<td>14.00</td>
<td>9.50</td>
</tr>
<tr>
<td>No. 5</td>
<td>6 to 12 gals.</td>
<td>2 in.</td>
<td>1 in.</td>
<td></td>
<td>22.00</td>
<td>15.00</td>
</tr>
</tbody>
</table>

**Fig. 345½ RAM.**

**Prices on Pipe on Application.**
Adze-Eye Nail Hammer

EXTRA TOOL STEEL. SELECTED HICKORY HANDLES.

No. 1114—Weight, 1 pound. Not polished. Retail price, each, 30c.
No. 914—Weight, 1 pound. Not polished. Retail price, each, 40c.
No. 1374—Weight, 1 pound. Polished. Retail price, each, 60c.
Above Weights do not Include Handles.

Machinist's Ball Pein Hammer

FULL POLISHED AND HANDLED.

Engineers’ Hand Hammer

FULL POLISHED AND HANDLED.

Blacksmith's Hand Hammer

OIL FINISH, NOT HANDLED.

No. 880—5 lb. and over, per lb., List, 30e. Retail, per lb., 8e. 3 to 5 lb. per lb., List, 36e. Retail, per lb., 9e. Under 3 lb. per lb., List, 45e. Retail, per lb., 10e.

BLACKSMITH’S SLEDGES.

No. 830—5 lb. and over, per lb., List, 30e. Retail, per lb., 8e. 3 to 5 lb. per lb., List, 36e. Retail, per lb., 9e.

STONE SLEDGES No. 730.

Not Handled.

Weight 5 to 30 lb., per lb., List, 30e. Retail, 8e.

BELT PUNCHES.

REVOLVING.

Retall Price, Each.

Four-tube Drive... $0.75
Six-tube Drive... 1.00
Single-tube Drive... .40

Round.

No. 1 to 6... 10e.
No. 7 to 9... 15e.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Tilley Adjustable Patented Scaffolding Jacks.

The iron brackets or arms, as illustrated at bottom of cut, are used when platform is wanted on one horse. These brackets are hooked into malleable castings at top of leg, and will support a platform 2 feet wide for the whole length of horse. This furnishes a convenient arrangement for moving about or working side walls, or to use in narrow hallways. Price, per set of four, $5.00 net.

These jack will receive a beam from 1 to 2 inches thick and any width from 4 inches up. Can be used on a 3-foot to a 10-foot beam. Are light, strong and suitable for plasterers, carpenters, painters and paperhangers, the putting up of metal ceilings, shirting, pulleys, etc. Nos. 8 and 13 have an extra end brace on slotted legs, with iron brace at each end of same. Nos. 9, 10, 11, 15 and 16 have extra end braces, same as 8 and 12; also have an extra grip on friction bolt in each traveling leg, making the jack much stronger than formerly. This improvement consists of suspension brackets, which permits of making a scaffold at any elevation lower than the height of the jack when down to its limit. These brackets can be used with jacks already sold. They cost but $1.00. With the proper size jack, the scaffold can be made to fit a store or basement.

Fig. 2 shows two jacks represented in Fig. 1 as "knocked down." It is unnecessary to comment upon its compact form.

3½ x 1½ Slotted Leg. 3¼ x 1¼ Traveling Leg.

<table>
<thead>
<tr>
<th>No.</th>
<th>Stands 3 ft. high, will extend to 5 ft.</th>
<th>Per Jack.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>8</td>
<td>$2.50</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>2.80</td>
</tr>
<tr>
<td>9</td>
<td>3</td>
<td>3.20</td>
</tr>
<tr>
<td>11</td>
<td>2</td>
<td>3.50</td>
</tr>
<tr>
<td>13</td>
<td>1</td>
<td>4.00</td>
</tr>
</tbody>
</table>

EXTRA HEAVY FOR PLASTERERS AND MILL WORK.

4 x 1½ Slotted Leg. 3¾ x 1¾ Traveling Leg.

<table>
<thead>
<tr>
<th>No.</th>
<th>Stands 4 ft. high, will extend to 6 ft.</th>
<th>Per Jack.</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>5</td>
<td>$2.00</td>
</tr>
<tr>
<td>13</td>
<td>4</td>
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<tr>
<td>14</td>
<td>3</td>
<td>3.00</td>
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<tr>
<td>15</td>
<td>2</td>
<td>3.50</td>
</tr>
<tr>
<td>16</td>
<td>1</td>
<td>4.00</td>
</tr>
</tbody>
</table>

Improve Tilley Step Ladders.

TILLEY TROJAN STEP LADDER.

Light, strong and stiff. Iron knees under ends of each step. These knees pass entirely through the steps and side bars, holding ladders firmly together and insuring a strong brace to the steps. Pail rests on all sizes of 5 feet and over. Furnished in 6, 8, 10 and 12 foot lengths. Price $3.00 per foot.

TREKAL.

Well adapted to any use to which step ladders are put. Has a special style of hinges connecting front and back, bolted on, redded, and well braced with iron. Some prefer the open back detached, as it admits of using a plank to make a platform more safely.

Prices of Step Ladders, With Pail Rest.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 ft</td>
<td>$2.25</td>
</tr>
<tr>
<td>6 ft</td>
<td>2.50</td>
</tr>
<tr>
<td>8 ft</td>
<td>3.00</td>
</tr>
<tr>
<td>10 ft</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Also have a cheap Step Ladder, per foot, 15c.
THE MATERIAL USED.

Norwegian pine for sides; rock elm or hickory for rungs; the very best grade of malleable iron castings for metal parts.

Can be almost instantly changed to any height up to nearly twice its closed length, the rungs always being exactly opposite each other in the lapped portion, no matter what the amount of extension; or by swinging the bottoms apart, a reliable and convenient step-ladder is obtained. They can also be extended or closed, and for any use that a step-ladder can be used are very desirable. All ladders over 24 ft. in length are made in two long sections, with hared bottom, adding to the rigidity and reducing the slipping at bottom to a minimum. The ladder will come apart and each section can be used separately. This style can, of course, be extended or closed, but does not swing apart, forming a step-ladder, as does the other style.

In ordering, bear in mind that a certain amount has to be allowed for the "lap" when the ladder is in its most extended form, the amount of necessity increasing as the ladders increase in length. In order to obtain perfect safety and frammess, in length of 12 to 18 ft. deduct one foot for lap—that is, a 12-foot ladder would be 6 feet high when closed or would form a 6-foot step-ladder, but would be only 11 feet long when extended. In lengths of 20 to 32 feet deduct two feet, and from 34 to 40 deduct three feet from the total length in same manner.

PRICE LIST.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-ft. exten.</td>
<td>$8.15</td>
</tr>
<tr>
<td>15-ft. exten.</td>
<td>$7.25</td>
</tr>
<tr>
<td>18-ft. exten.</td>
<td>$6.00</td>
</tr>
<tr>
<td>21-ft. exten.</td>
<td>$4.85</td>
</tr>
<tr>
<td>24-ft. exten.</td>
<td>$3.75</td>
</tr>
<tr>
<td>27-ft. exten.</td>
<td>$2.65</td>
</tr>
<tr>
<td>30-ft. exten.</td>
<td>$1.55</td>
</tr>
</tbody>
</table>

A 16-foot Single Ladder weighs only 21 to 25 pounds. By drawing out a small rod at top of stepladder it can be converted into two separate ladders. These goods are made nearly altogether by hand, and are very much superior to factory ladders. No nails are bored in the side pieces, thus making them the strongest and lightest ladders made.

The rungs are made of tough hickory. A slight groove in the side piece in which the rungs are set acts as a brace and aids to stiffen the ladder.

SINGLE LADDERS.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft.</td>
<td>$7.20</td>
</tr>
<tr>
<td>10 ft.</td>
<td>$6.80</td>
</tr>
<tr>
<td>12 ft.</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

COLUMBIA BENT-RUNG DOUBLE STEPLADDERS.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ft.</td>
<td>$4.50</td>
</tr>
<tr>
<td>5 feet</td>
<td>$3.50</td>
</tr>
<tr>
<td>6 feet</td>
<td>$2.80</td>
</tr>
</tbody>
</table>

COLUMBIA BENT-RUNG SINGLE STEPLADDERS.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 feet</td>
<td>$3.00</td>
</tr>
<tr>
<td>5 feet</td>
<td>$4.00</td>
</tr>
<tr>
<td>6 feet</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

HASTING'S STEPLADDER with upright support under each step.

Stiff, Strong and Durable. All lengths from 6 to 10 feet, 1Nc. per foot. First Class in Every Particular. Special Prices to Paperhangers, Painters and the Trade Generally on all Ladders.

WETTLING STEPLADDER. Good quality. All lengths from 4 to 10 feet at 15c. per foot. Special Prices in quantities.
**HAND SAW**

No. 38—American straight back; plate on handle. Our special price........ $1.00 each.

No. 59—Sheffield Saw Works. Skew back; beech handle; polished edge, 7 to 9 points. Factory list price, $14.00 per dozen. Our special price........ $1.50 each.

No. 54—Silver steel; beech handle; straight back; polished edge, 7 to 9 points. Factory list price, $2.25 per dozen. Our special price........ $1.50 each.

No. 25—Silver steel, skew back, beech handle; polished and polished apple handle, with Atkins perfection handle. Factory list price $2.50 per dozen. Our special price........ $1.75 each.

Special Prices in Quantities.

---

**ONE MAN CROSS-CUT SAW**

American tooth, 3 ft. $1.75

American tooth, 4 ft. $2.25

American tooth, 4½ ft. $2.50

Special Prices in Quantities.

---

**CROSS-CUT SAW, NARROW AMERICAN.**

5 ft.—Our special price.................. $1.25

5½ ft.—Our special price.................. $1.50

**PRICE OF CROSS-CUT SAW IS WITHOUT HANDLE.**

Climax Handles, 15c. per Pair.

---

**OLEHN’S CELEBRATED CIRCULAR SAWS.**

These Saws are the result of over 50 years’ study and experience. Absolutely the best steel is invariably used and each blade is given a tough, even temper and perfect tension, all of which is essential to the successful running of these Saws. The workmanship of these blades is unequalled. The prices given are for saws sharpened and set. Unless otherwise ordered we send blades with 1½-in. hole.

---

**WOOD SAWS.**

No. 617—Wood brace frame; single rivet; painted red; plain tooth; breast blade; 2½ in. wide. Our special price, 60c.

No. 522—Wood brace frame; single rivet; selected stock; high finish; painted red; jumbo rod tipped; Tuttle tooth; breast blade; 2½ in. wide. Our special price, 75c.

No. 523—Cantilever frame; selected maple stock; fine natural wood finish; jumbo rod tipped; Tuttle tooth blade breastet, 2¾ in. wide. Our special price, 85c.

---

**SILVER & DEMING DRILLS.**

Fitting Boynton & Plumer and Silver & Deming Blacksmith’s Drill Presses, Nos. 1 and 2, with shanks 1/4 in. diameter. 14th, List Retail Diam. List Retail

<table>
<thead>
<tr>
<th>Diam. in.</th>
<th>Price</th>
<th>Per Dozen</th>
<th>List Price</th>
<th>Per Dozen</th>
</tr>
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<tbody>
<tr>
<td>1-16</td>
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<td>$1.50</td>
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<td>$0.09</td>
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<td>$0.85</td>
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</tr>
<tr>
<td>1-16</td>
<td></td>
<td>$2.50</td>
<td>$1.25</td>
<td>$0.10</td>
</tr>
<tr>
<td>1-16</td>
<td></td>
<td>$3.00</td>
<td>$1.60</td>
<td>$0.10</td>
</tr>
<tr>
<td>1-16</td>
<td></td>
<td>$3.50</td>
<td>$2.00</td>
<td>$0.10</td>
</tr>
<tr>
<td>1-16</td>
<td></td>
<td>$4.00</td>
<td>$2.50</td>
<td>$0.10</td>
</tr>
<tr>
<td>1-16</td>
<td></td>
<td>$4.50</td>
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<td>$0.10</td>
</tr>
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<td>$5.50</td>
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<td>$0.10</td>
</tr>
<tr>
<td>1-16</td>
<td></td>
<td>$6.00</td>
<td>$4.50</td>
<td>$0.10</td>
</tr>
</tbody>
</table>

For very exact work, a gauge, plainly marked, should accompany an order.

---

**BIT-Stock Drills.**

For Metal or Wood, No. 109.

**Osborne & Turner Co.**

**ATKINS’ CELEBRATED SAWS.**

---

**JOBBER’S DRILLS No. 105.**

---

**JOBBER’S MACHINIST SETS.**

---

**FACTORY SAW.**

---

**DEWING SAW.**

---

**CIRCULAR SAW.**

---

**OAK SAW.**

---

**WOOD SAW.**

---

**SAWS.**

---

**Saw Mandrels.—Write for Special Circular of Sizes and Prices.**

---

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**
APPLETON WOOD SAWs.

For over twenty years the manufacturers of these Wood Saws have set the standard in wood saw construction. Their thorough knowledge of the business enables them to keep abreast of all the modern requirements and to incorporate in the construction of the Appleton Saws every improvement demanded by present needs and approved by practical experience. The circular saw has to be run at a high rate of speed to do its work satisfactorily; therefore, the frame should be very strong and rigid and as simple in design as is compatible with efficiency, because a breakage when in operation would be dangerous to the operator. For the frames of our saws only the best material adapted to the purpose is used, the same being the proper weight to insure ample strength. For absolute rigidity these frames are strongly mortised and bolted together and firmly braced in every direction. There is no shape to an Appleton Wood Saw Frame. An ordinary oil box would soon become clogged with dust or become heated and quickly cut out, making the machine wobbly and dangerous; therefore, Appleton Saws have a special type of dust-proof, babbitted boxes having large oil chambers, and will last a lifetime with reasonable usage. The arbors used on Appleton Saws is the best.

THE COMMON SENSE TILTING TABLE WOOD SAW.

An old favorite, on account of its strength, durability and convenience. Very fast work can be done with it.

Price, without Saw Blade...
Price, with 22-inch Saw...
Price, with 24-inch Saw...
Price, with 26-inch Saw...

APPLETON EXTENSION TABLE POLE SAW.

Built like Common Sense, but has a foot table to left of blade instead of to right. A good light-power Pole Saw.

Price, without Saw...
Price, with 24-inch Saw...
Price, with 26-inch Saw...

NEW STYLE TILTING TABLE POLE SAW.

The original frame of this style and the best Pole Saw on the market, embodies all the latest ideas: Imitated by many but equaled by none; requires more power than Common Sense Saw.

Price, without Saw Blade...
Price, with 22-inch Saw...
Price, with 24-inch Saw...
Price, with 26-inch Saw...

“American” Improved Variable Friction Feed Saw Mills.

THE LIGHTEST RUNNING AND EASIEST TO SET UP AND OPERATE.

The American Saw Mill is especially adapted to Gasoline Engine power and can be successfully run with a 7 or 9 H.P. Engine. We know of no other mill that will do this. Made in eight sizes and strictly up-to-date. The No. 1 American Saw Mill and our 9 H.P. Alamo Gasoline Engine make a nice outfit, and will cut 3,000 feet of lumber per day. Send for special Saw Mill Catalogue and circular with opinions of many who know by experience that the American Saw Mills are all we claim for them.

PRICES OF “OUR POPULAR FARM OUTFITS.”

Outfit A—Consisting of “American” No. 1 Standard Saw Mill, with variable friction feed with 48-in. Solid Tooth Saw...
Outfit B—Consisting of “American” No. 1 Saw Mill, as described in Outfit A, also one 9-H.P. Ideal Alamo Portable Gasoline Engine, complete with new cooling device, friction clutch pulley and 50 feet 6-inch canvas belting...

Special Catalogue and Prices on Larger Sizes on Application.

The American “Up-to-Date” Shingle Machine.

To meet the demand for a reliable yet low-priced Shingle Machine, suitable for small mills, farmers and others having light power, we have brought out our “UP-TO-DATE” Shingle Machine, shown in the accompanying cut. It is thoroughly well made throughout of the best materials.

Power Feed is provided which is thrown into gear by pressure of the foot on the stirrup, and the machine can be used either with hand or power without change in adjustment.

A new feature, and a very valuable one, is the handy little edger, which has an 8-inch saw and a convenient gauge, insuring square, straight-edge shingles. Capacity, 10,000 to 15,000 shingle per day.

The machine will handle square, round or split blocks and does not require an experienced operator.

Price complete, with edger, $85.00. Price complete, without edger, $75.00.
PORTABLE SCALES.

The Defiance.

They are carefully adjusted by competent workmen, and are guaranteed U. S. Standard Scales. The material throughout is of the best quality, and all pivots are of steel. The brass work is highly polished; the iron work is japanned in black, and the woodwork is finished in its natural color, making a very attractive combination.

Special Discount for Cash.

600-lb.—Size of Platform, 16x23, $10.75.
800-lb.—Size of Platform, 16x25, $12.00.
1000-lb.—Size of Platform, 17x26, $13.50.

Price do not include wood frame or platform. On Challenge Scale customer furnishes wood levers. We do not furnish extension levers with any of the above scales.

The Osgood.

Every individual part is made with extreme care. The pivots and bearings, both in the beam and under the platform, are made of strong, hard, finely-tempered steel. The beam, sliding pole and thumbscrew are of highly-polished brass. The castings are extra heavy, the platform full size, and the axles run through the frame. The pillar, caps and board are of the best seasoned hardwood.

Every Scale is carefully sealed with United States Government standard weights and guaranteed absolutely correct.

The CELERATED MONARCH STUMP PULLERS.

These Stump Pullers are the strongest and most convenient of any on the market. Lack of space makes it impossible for us to give a detailed description of them, but no one can afford to buy a Stump Puller without investigating the merits of the Monarch Machine.

Monarch, Jr. Stump Puller, for one horse, with 5 ft. anchor and 50 ft. pulling cable, $30.00.
No. 1, Two-Horse Monarch Stump Puller, with 10 ft. anchor and 75 ft. pulling cable, $55.00.
No. 2, Two-Horse Monarch Stump Puller, with 12 ft. anchor and 100 ft. pulling cable, $65.00.

Monarch Stump Puller Prices, f. o. b. Factory. Larger sizes on application. Hercules red strand wire rope used.

WRITE FOR SPECIAL CIRCULARS OF ANY OF THE ABOVE GOODS.
**NORKA ANTI-FRICTION BI-PEDAL GRINDSTONE.**

Frame made from 1-in. tubing and fitted with No. 3 Stone, weighing from 40 to 50 lbs. and about 17 inches in diameter; anti-friction bearings.

The frame is so constructed it cannot tip over, either backwards or sideways, and stands very firmly. Boxes strong and heavy. Shipped knocked down unless otherwise ordered. Price $1.00.

**WE CARRY A FULL LINE OF LOOSE STONES OF ALL SIZES, 2c. PER LB.**

**DIAMOND SICKLE GRINDER.**

Can be easily set to grind at any bevel. No clamping required to hold knife in position. Only two gears in entire machine. Emery wheel best obtainable; will not glaze nor draw temper from knives. Can furnish straight-faced stone when desired for grinding tools. Easily attached to bench, mowing, machine wheel or other suitable place.

Price $3.00.

**Griffith & Turner Co.**

GRINDSTONE.

The G. & T. B. B. Grindstone has combination steel and hardwood frame. Stones carefully selected, with 1 1/2 inch iron. The side clamps are steel, and are fastened to the head with two bolts.

**Price:**
No. 1 Screw Press.............$1.00
No. 2 Screw Press, extra heavy, 1.50

THE ACME LEVER PRESS.

Has an improved rotary connection between crosshead and side clamps. It can be operated from either side of the barrel, and has the same general construction of Climax Press.

**Price:**
Acme Lever Press, No. 7........$1.00

**W. & B. TUBULAR FRAME GRINDSTONE.**

All parts fit perfectly, causing the stone to run true. Absolutely indestructible—nothing to wear out. Made in two sizes—No. 1, for 30-inch stone, and No. 2, for a stone 24 inches in diameter or less.

No. 1, each................1$5.25
No. 2, each................5.00
No. 3, each................4.75

**W. & B. BI-PEDAL GRINDSTONE.**

Tubular Frame With Roller Bearings.

No. 10, each................$5.75
No. 20, each................5.50
No. 30, each................5.25

**THE HOUSEKEEPER'S FRIEND.**

Will give a keen edge to all kinds of household cutlery. Any lady can use it.

Price.................$2.50.
DIAMOND MESH POUlTRY NETTING.

The wire we offer is all Nos. 19 and 20, double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

<table>
<thead>
<tr>
<th>No.</th>
<th>Width</th>
<th>Sq. Feet</th>
<th>Per Bale</th>
<th>Per Bale</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>12</td>
<td>150</td>
<td>$3.75</td>
<td>$86.50</td>
</tr>
<tr>
<td>18</td>
<td>225</td>
<td>6.02</td>
<td>1.30</td>
<td>28.60</td>
</tr>
<tr>
<td>14</td>
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<tr>
<td>12</td>
<td>450</td>
<td>11.25</td>
<td>2.53</td>
<td>56.00</td>
</tr>
<tr>
<td>10</td>
<td>600</td>
<td>15.00</td>
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<td>66.00</td>
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<tr>
<td>8</td>
<td>750</td>
<td>18.75</td>
<td>4.22</td>
<td>78.00</td>
</tr>
<tr>
<td>6</td>
<td>900</td>
<td>21.00</td>
<td>4.40</td>
<td>90.00</td>
</tr>
</tbody>
</table>

Price 1c. per square foot in less than bale lots. Staples for fastening, 10c. per pound.

We also carry in stock a few sizes of 1-inch mesh, as follows:

<table>
<thead>
<tr>
<th>No.</th>
<th>Width</th>
<th>Sq. Feet</th>
<th>Per Bale</th>
<th>Per Bale</th>
</tr>
</thead>
<tbody>
<tr>
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<td>12</td>
<td>450</td>
<td>11.25</td>
<td>2.53</td>
<td>56.00</td>
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<td>600</td>
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</tr>
<tr>
<td>8</td>
<td>750</td>
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</tr>
<tr>
<td>6</td>
<td>900</td>
<td>21.00</td>
<td>4.40</td>
<td>90.00</td>
</tr>
</tbody>
</table>

Price 1c. per square foot in less than bale lots. Staples for fastening, 10c. per pound.

GALVANIZED STEEL WIRE CLOTH.

Used largely in corn crib's to make them ratproof; also for making eaves, grain screens, etc. Widths 14 to 48 inches.

2x2-3x3 mesh, sq. ft., 4c.
Full rolls, 3 1/2 sq. ft., 6c.
4 1/4 mesh, sq. ft., 7c.
Full rolls, 4c. sq. ft.

The word mesh means number of meshes to the inch.

Barbed Wire, Ribbed Wire, Plain Twisted Two-Stranded Wire, Plain Galvanized Wire, Plain Annealed Wire, Panel Wire.

TRAUS AND CABLE FENCE WIRE.

Prices on application.

NEVER SLIP STRETCHER.

Price 75c.

The cost of Bale Ties is from 40 to 60 cents per ton of hay. To get the length of the tie required, add 3 inches to the measure around the bale when under pressure. We keep in stock only the standard size, No. 15, 8 1/2 feet long, but can furnish any of the other sizes and lengths on order at lowest prices. Retail price on application.

ANNEALED BALING WIRE—Nos. 11, 12, 13, 14 and 16 always on hand at lowest market prices on application.

The horizon lines of this fence are all composed of two No. 20 heavily galvanized steel wire twisted together.

Beginning at the bottom, the first 7 cables are 1 1/2 inches apart, the next 3 cables are 1 inch apart, 3 cables 1 1/2 inches apart, and all above that 4 inches apart. This gives a mesh of 14 1/2 inches at the bottom, where it is needed for small chicks, and above 2 feet, where hawks can easily reach when on the wing, the mesh is 3 1/2 inches.

The pickets are No. 19 galvanized steel wire, and are 4 3/4 inches apart.

On account of the pickets being at right angles to the cables, this fence will fit any uneasiness of the ground without cutting. Because of its strength and construction, this fence requires no top or bottom rail and no more posts than the ordinary woven wire stock fence, or about one-half the number needed for poultry netting.

In strength, closeness of mesh, adjustability and economy, it is unsurpassed.

List Retail when per roll, per roll. cut.
10-rods rolls, 165 ft., 24 in. wide. $4.15 2 1/4c. per roll. ft.
10-rods rolls, 165 ft., 36 in. wide. 6.50 3.15 2 3/4c. per roll. ft.
10-rods rolls, 185 ft., 48 in. wide. 8.30 4.15 3.5c. per roll. ft.
10-rods rolls, 165 ft., 90 in. wide. 9.60 4.80 4.0c. per roll. ft.
10-rods rolls, 185 ft., 120 in. wide. 11.90 5.40 4 1/2c. per roll. ft.

In comparing prices with ordinary poultry netting remember these bales are 15 feet longer.

M. M. S. Poultry Fencing

Steel Web Picket Fence.

Especially for Lawns, Dog-Yards, Cemeteries or Parks.

Six cables, 37 inches, standard height. The pickets are made of three No. 12 galvanized steel wires, uniformly spaced 2 1/2 inches apart, and held firmly in place by cables 6 1/2 inches apart, each made of two No. 12 steel galvanized wires, making a very handsome combination.

In Steel Web Pickets we get a very strong picket by weaving a number of smaller wires together. In this case the 1 1/2-inch width of the picket passes through the clamping machine, making it strong as a much smaller wire, and for this part of the picket and requires but little to form it, therefore neither affecting the elasticity of the wire nor the galvanizing, but bearing the entire picket strong, tough and elastic.

Standard Fence. Pickets 2 1/2 Inches Apart.

6 Strands, 24 in. high. List per lineal foot, 1Sc. Retail per lineal foot, 11c.
Full rolls of Picket Fence 300 feet. Special heights to order as follows:

<table>
<thead>
<tr>
<th>No. 1</th>
<th>20 Strands, 24 in. high.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Strands, 24 in. high.</td>
<td></td>
</tr>
<tr>
<td>5 Strands, 24 in. high.</td>
<td></td>
</tr>
</tbody>
</table>

PRICE, 75c.
"Pittsburgh" Perfect Electrically Welded Fence.

The distinctive feature of the "PITTSBURGH PERFECT" FENCE is the electric weld. The stay and strand used in this weld are made one piece of metal, and the wrappedsubplot used on most other fences is done away with. The rapidly increasing demand for "PITTSBURGH PERFECT" FENCE indicates its great popularity. The Farm Fence is made in two weights, viz.: Regular, which has No. 9 top and bottom wire, intermediate strand wires are No. 11 and stay wires are No. 12; Extra Heavy, which has No. 7 top wire, No. 9 bottom wire, No. 10 intermediate strand wires and No. 10 upright or star wires. The spaces between the strand wires at the bottom are as follows: On the Standard Style, 3 inches; on the Special Style, 3 inches, and on the Extra Special Style, 4, 4½ and 5⅝ inches. The Regular Style Poultry and Garden Fence has No. 10 top and bottom wires, and all other wires are No. 13. The Heavy Style Poultry and Garden Fence has No. 9 top and bottom wires, and all other wires are No. 12. The spacing between the strands at the bottom of the Poultry and Garden Fence is 1⅝ inches. Fencing is furnished in 10 and 20 yard rolls. Special Catalogue giving full description of different sections will be sent on application.

FARM AND RAILROAD GATE No. 22.

Frame 1⅛ inches diameter, acorn top, adjustable malleted bingels, heavy screw hooks to hang on wooden posts, hook catch, steel diagonal brace rod support. All wire work passes through the frame both ways. This Gate is extra strong. List price, Retail price.
No. 22—10 feet wide, 4 feet high, each... $8.00 $7.25
No. 22—12 feet wide, 4 feet high, each... 9.00 8.10
No. 22—10 feet wide, 5 feet high, each... 9.00 8.10
No. 22—12 feet wide, 5 feet high, each... 10.00 9.00
Add 4 inches to sizes of gates for allowances for Hinges and Latches.

Frost Plain Farm Gates.

Frames made of steel tubing, well braced and of good construction throughout. Width represents distance between posts.
4½ x 10 feet... $85.70
4½ x 10 feet... 8.90
4½ x 12 feet... 6.30
4½ x 12 feet... 6.75

No. 11 LAWN GATE.

3½ feet wide, 4 feet high, List price $8.25. Retail price $5.45.
3½ feet wide, 5 feet high, List price $9.75. Retail price $6.15.

HEAVY LAWN GATE No. 13.

Same style construction and top as No. 22 Farm Gate shown.
3½ feet wide, 4 feet high, List price $8.25. Retail price $5.35).
3½ feet wide, 5 feet high, List price $9.75. Retail price $5.65.

All Prices Subject to Change Without Notice.

No. 11 LAWN GATE.

Steel Posts and Rails.

FOR PICKET FENCE, 37 INCHES HIGH.

Steel Gate and Corner Post, 2 inches outside diameter with cast-iron base, each... $4.00
Steel (Pipe) Line Post, and ring to receive top rail, with cast-iron base... 1.45
Steel Gate and Corner Post, 2 inches outside diameter... 3.40
Steel Top Rail, 1½ inches outside diameter, drilled and set, 14c. per foot.

UNION LOCK FIELD and HOG FENCE.

Specia, 8 inches.
8 inches.
8 inches.
7 inches.
7 inches.
6 inches.
5 inches.
4 inches.
3 inches.
3 inches.
3 inches.

In this fence nothing but the best No. 14 galvanized steel wire is used, and enough of it to insure sufficient strength to turn all stock that may come in contact with it and to give it durability. Every horizontal line in composed of two wires uniformly twisted together, and the picket is so twisted into the cable as to make it impossible for it to unlock or to get loose.

List Retail per per per per per per per per
18 in. high, 6 cables... 45c. 25c. 47 in. high, 10 cables... 85c. 46c.
23 in. high, 7 cables... 57c. 36c. 52 in. high, 11 cables... 90c. 55c.
31 in. high, 8 cables... 67c. 35c. 63 in. high, 12 cables... 1.05 57c.
36 in. high, 9 cables... 75c. 42c.

UNION LOCK MODEL HOG FENCE.

Made only in two heights. Similar to the Union Lock Regular, but spaced from bottom as follows: 3 inches, 3½ inches, 4 inches, 4½ inches, 5⅛ inches, 6 inches.
24 inches high, 6 cables... List, per rod, 40c. Retail, per rod, 26c.
32 inches high, 7 cables... List, per rod, 55c. Retail, per rod, 32c.

FROST COILED SPRING FARM FENCE.

Frost Fence is not a ready-woven fence, but is a Stay Fence of great merit. The strands are of heavy coiled spring wire and the stays are of hard wire.

It can be easily and quickly erected, and is a very strong and durable fence.

Special catalogue and prices will be mailed free on application.
DUMP CART HARNESS.

No. 25—DUMP CART HARNESS.
Bridle, 5 1/2 in. Traces, 1 1/2 in. saddle, 1 1/2 in. breast, 1 1/2 in. neck, 1 1/2 in. eye. Made of straight lay. Price, with collar and harness, $1.05.

EDGERTON LEATHER DRESSING.
Contains no shellac, cooperas or other injurious ingredient. When applied as per direction, will not rub off, and penetrates the leather and is plant and waterproof. Restores original gloss and finish. Every ingredient a preserver and beautifier of leather.

“RAPID” HARNESS MENDER.
Patented—February 2, 1886; March 27, 1888.
Price, 55c. per Gross. By Mail, 35c.
MODOC FEED BAG.
Plain wood bottom, overhead rope, with
patent pocket.
Our Special Price... .35c.

PIONEER FEED BAG.
Patent pocket, bridle and pulley at-
tachments. Patent center grooved wood
bottoms and leather ventilators.
Our Special Price... .81.00

WILLIAMS' FEED BAG.

HORSE COLLARS.

SWEAT PADS.

BROWN AND WHITE
DRILL PADS.

BAND ANCHORS.

WEB BACK BANDS.
The only Steel Trough constructed without the use of rivets. Will not crack or burst on account of freezing. This trough is made of No. 12 gauge steel, curved in semi-circular form, with ends of cast iron fitted in each end and held in place by steel bands instead of rivets. These bands are around the edges of steel, binding it firmly to the flange on the end, thereby making a perfectly water-tight joint.

**Rivetless Steel Stock Trough.**

**Iron Poultry Troughs**

Same shape as Hog Troughs. This is an indispensable article for parties raising poultry. Is readily cleaned, and no leaking.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Ret.</th>
<th>°</th>
<th>°</th>
<th>°</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>8 in. long, ¼ in. wide</td>
<td>$1.25</td>
<td>1/4</td>
<td>3/4</td>
<td>1/2</td>
</tr>
<tr>
<td>9</td>
<td>9 in. long, ¾ in. wide</td>
<td>$1.75</td>
<td>3/4</td>
<td>1/4</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**Iron Hog Troughs**

No danger in winter, when frozen full of ice, for them to burst. Twelve inches wide at top, 2 inches wide at bottom, and 6 inches deep. Made in lengths from 2 feet up to 8 feet, every 6 inches. Weight, per foot, 15 lbs. Price, 50c. per foot.

**Oblong Round End Steel Tanks**

No. 20. GALVANIZED STEEL.

Carefully Riveted

<table>
<thead>
<tr>
<th>No.</th>
<th>Width</th>
<th>Height</th>
<th>Length</th>
<th>Bbls.</th>
<th>Weight</th>
<th>Price</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>3 ft.</td>
<td>45</td>
<td>94 lbs.</td>
<td>$1.95</td>
<td>$2.10</td>
</tr>
<tr>
<td>103</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>8 ft.</td>
<td>57</td>
<td>94 lbs.</td>
<td>10.25</td>
<td>8.25</td>
</tr>
<tr>
<td>104</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>7 ft.</td>
<td>57</td>
<td>94 lbs.</td>
<td>11.60</td>
<td>8.05</td>
</tr>
<tr>
<td>105</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>6 ft.</td>
<td>57</td>
<td>94 lbs.</td>
<td>12.25</td>
<td>8.00</td>
</tr>
</tbody>
</table>

Larger sizes will be furnished on application.

**Round Steel Tanks.**

No. 20—GALVANIZED STEEL.

Same as above, only round instead of oblong. Same care taken in manufacture.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diam.</th>
<th>Height</th>
<th>Cap'y</th>
<th>Weight</th>
<th>List Price</th>
<th>Ret. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>5½ bbls.</td>
<td>71 lbs.</td>
<td>$8.00</td>
<td>$6.40</td>
</tr>
<tr>
<td>4</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>6 bbls.</td>
<td>91 lbs.</td>
<td>$9.25</td>
<td>7.75</td>
</tr>
<tr>
<td>4</td>
<td>2 ft.</td>
<td>2 ft.</td>
<td>7 bbls.</td>
<td>100 lbs.</td>
<td>$10.65</td>
<td>8.95</td>
</tr>
<tr>
<td>4</td>
<td>2 ft.</td>
<td>3 ft.</td>
<td>9 bbls.</td>
<td>167 lbs.</td>
<td>$12.75</td>
<td>10.20</td>
</tr>
<tr>
<td>4</td>
<td>4 ft.</td>
<td>4 ft.</td>
<td>12 bbls.</td>
<td>127 lbs.</td>
<td>$16.00</td>
<td>12.50</td>
</tr>
</tbody>
</table>

Larger sizes furnished on application.

**Crimped Wire Stall Guards.**

2½-inch Diamond Mesh. No. 8 steel wire, with 1-inch channel iron frames. O. G. end, oval-bodied top, screw holes bottom and end. 6 feet long, 25 inches high.

<table>
<thead>
<tr>
<th>Price, each</th>
<th>1 Dram.</th>
</tr>
</thead>
<tbody>
<tr>
<td>$4.00</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

Can furnish on application Square Crimped Wire Stall Guards, used for box stalls. Give size wanted. Per square foot, 50c. Special prices in quantities.

**Corner Mangers.**

The "Sanitary." The rim is made of a superior quality of iron. The body of galvanized wrought steel. One of the most mangers in use. The government is using these "Sanitary" Mangers in preference to any other, large quantities being shipped to the Philippines.

No. 2—20 quart. List, $1.75. Retail, $1.50.

We also have on hand Cast Iron Mangers, as follows:

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Retail</th>
<th>°</th>
<th>°</th>
<th>°</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7 in. long</td>
<td>$0.55</td>
<td>1/4</td>
<td>3/4</td>
<td>1/2</td>
</tr>
<tr>
<td>3</td>
<td>8 in. long</td>
<td>$0.95</td>
<td>3/4</td>
<td>1/4</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**Wrought Hay Racks**

For superior to cast-iron Racks, as frequently used.

**The Taylor Steel Stanchion**

The Strongest Stanchion Made. Since the frame consists entirely of steel and malleable iron, it is practically indestructible and will last a lifetime.

Gives Free and Natural Movement of the Head and Neck. Swings on chains, top and bottom, and gives much more freedom to the cow's head than the old style stiff Stanchion. Practically the cows are as comfortable as when in the field; for they are able to lick their sides and lie down with the head on the sides intended.

No Mortised Corners to Wear Loose. The corners are formed of solid angle steel, bent to shape, and as strong, if not stronger, than the straight sides.

Not Ombersome About Neck of Cattle. The angle steel used in the Taylor Stanchion, which is 1¾ by 1¾ inches wide, is less than one-fourth as large as the wood used in other Stanchions.

Dimensions of Stall. For ordinary-sized cattle give each a stall 3 feet wide by 4 feet 6 inches long floor space. Make gutter along rear of stall of sufficient depth to catch all droppings. A stall so constructed with the Taylor Stanchion insures a larger production of milk.

Price, Style No. 1. $1.50
Extra Heavy, Style No. 2. $2.00

**All Prices Subject to Change Without Notice.**
LEATHER BACK BRUSHES

No. 490.
EIGHT BARS, EXTRA HEAVY.
All steel shank runs through handle and is riveted.
Price 25c. each, $2.50 per dozen.
Packed one dozen in box. Cases are made for 48 dozen.

No. 500.
All steel, close back, 8 bars, plain knocker lacquered, enameled handle, brass ferrule, oval face, shank running through handle and riveted. Packaged one dozen in box. Cases made for 48 dozen.
Price 25c. each, 5 for $1.00.

No. 983.
All steel, open back, 8 bars, plain knocker, japanned, carmine handle, steel ferrule, oval face, shank running through handle and riveted. Packaged one dozen in box. Cases made for 48 dozen.
Each, 15c., $1.50 per dozen.

8 Bars, Hand Riveted
PATENT APPLIED FOR.

No. 480—Columbia—Lacquered, 25c. each. Packed one dozen in box. Cases are made for 24 dozen.
Price $2.50 per dozen.

Cyclone Leather Halter.
One and a quarter-inch, with 1¼-in. leather lead.
Price $1.25.
No. 482—1¼-inch, with 1¼-inch leather lead.
Price $1.25.

Rope Cattle Ties.
No. 652—1/4 in. Manila rope, 8 ft. long, single snap.
Price 30c.
No. 655—1/4 in. XX Sisal rope, 8 ft. long, single snap.
Price 20c.

WHITE WASH BRUSHES.

No. 7—Family... 15c.
No. 8—Rose.... $1.00
No. 7—Black Buck 30c.
No. 8—Black Buck 40c.
No. 8—Black Buck 40c.
No. 8—Black Buck 40c.
No. 8—Black Buck 40c.
No. 8—Black Buck 40c.
No. 8—Black Buck 40c.

ADJUSTABLE WEB HALTERS, No. 699
Continuous piece, solid color, No. 1 extra quality web, folded through metal corners, adjustable buckle, Leather chin piece with buckle. Rope lead, leather latch, with snap.
Price $1.00.

No. 1 WEB HALTERS.
Continuous piece No. 1 Web through metal corners. Leather chin piece. Rope lead, leather latch, with snap.
Price 25c.

ROPE HORSE TIES.
No. 652—Half-inch, Manila, 10 ft. long (2 snaps). Price 25c.
No. 667—Half-In, XX Sisal, 10 ft. long (2 snaps). Price 25c.

SO-BOS-SO
(Killy) is a liquid mixture designed to protect cows and horses from torture of flies.

The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. If your animals are troubled with lice, use SO-BOS-SO (Killy). Spray your poultry house with So-Bos-SO (Killy). It kills lice or any vermin that may infect the fowls. Put up in 1 gallon cans.
Price, 75c. per gallon.

TOUGH ON FLIES.
One application instantly and positively relieves horses and cattle from all annoyance from green heads, the dreaded Texas heel fly, as well as other flies, gnats and insects of every description for at least 24 hours. It improves the animal and abolishes the use of fly nets.
Hand-Power Horse Clipping and Sheep Shearing Machines

Progressive, up-to-date farmers and horse owners everywhere recognize the advantages of clipping horses. Clipped horses feel better, look better, work better, and are less liable to take cold. Horse Clipping Machines are now made so well and are sold so low that no stable is complete without one.

Stewart No. 1 Enclosed Type Clipping Machine

Has new style rigid base; tubular upright. All gears are cut from solid metal and are enclosed in a dust-proof metal box. They run constantly in a bath of oil, which reduces friction to a minimum. All wearing parts are hardened tool steel. New type, light, easy running, flexible shaft, 6 feet long. Complete, with one set of Stewart one-nut tension knives. Weight, boxed, 36 lbs. Price, each, $6.50.

1902 Chicago Clipping Machine

STEWART PATENT.

Has positive power; rigid base; fine, strong crank handle; 6½-foot flexible steel shaft. All gears are cut from solid metal, and wearing parts all tool steel, hardened. Can be turned with either right or left hand. Complete with one set of Stewart one-nut tension knives in case. Weight, boxed, 56 lbs. Price, each, $10.75.

LIST OF PARTS OF SHEAR.

<table>
<thead>
<tr>
<th>Part</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 Handle Shell</td>
<td>$2.00</td>
</tr>
<tr>
<td>201 Leather guard</td>
<td>.75</td>
</tr>
<tr>
<td>202 Lether washer</td>
<td>.10</td>
</tr>
<tr>
<td>203 Forkwed ...</td>
<td>.35</td>
</tr>
<tr>
<td>204 Long spindle</td>
<td>1.00</td>
</tr>
<tr>
<td>205 Cogs ...</td>
<td>.40</td>
</tr>
<tr>
<td>206 Tension bolt</td>
<td>.10</td>
</tr>
<tr>
<td>207 Tension nut</td>
<td>.10</td>
</tr>
<tr>
<td>208 Eccentric roll</td>
<td>.10</td>
</tr>
<tr>
<td>209 Yoke ...</td>
<td>.45</td>
</tr>
<tr>
<td>210 Lid ...</td>
<td>1.00</td>
</tr>
<tr>
<td>211 Washer ...</td>
<td>.55</td>
</tr>
<tr>
<td>212 Tension spring screw</td>
<td>.05</td>
</tr>
<tr>
<td>213 Lid screws ...</td>
<td>.10</td>
</tr>
<tr>
<td>214 Yoke screws ...</td>
<td>.08</td>
</tr>
<tr>
<td>215 Stud screws ...</td>
<td>.10</td>
</tr>
<tr>
<td>216 Comb ...</td>
<td>.50</td>
</tr>
<tr>
<td>217 Cutter ...</td>
<td>.50</td>
</tr>
<tr>
<td>218 Tension ring ...</td>
<td>.50</td>
</tr>
<tr>
<td>219 Longitudinal ...</td>
<td>.25</td>
</tr>
<tr>
<td>220 Lacing ...</td>
<td>.10</td>
</tr>
</tbody>
</table>

Shearing sheep by machine is profitable and humane. It saves ½ to 2 lbs. wood or an entire sheep, and they are not cut or hacked. Experience is not required to operate the machine.

Stewart No. 8 Enclosed Gear Sheep Shearing Machine.

This Shearing Machine is built on the same lines as the Stewart No. 1 Horse Clipping Machine. The gearing is all of cut steel and is enclosed in a dust-proof metal case, where it runs constantly in oil, thus reducing friction and wear to a minimum. The solid jointed shaft, which is the only type of shaft suitable for sheep shearing, is fitted directly to the gearing. Each machine is supplied with the latest and most improved shearing handle and four knives. The machine turns easily, shears fast and gets more wool from a sheep than it is possible to get by hand shavers. Weight, boxed, 40 lbs. Price, complete, with 4 sets of knives, $9.75.

Stewart New Model Sheep Shearing Machine.

Has positive cut gear drive wheel, mounted on iron frame. The large gear engages the hardened tool steel pinion which connects with the universal joint flexible shaft having the balance tension knife and handle attached. All wearing parts are made from tool steel and hardened.

Weight, 52 lbs.; boxed, 70 lbs. Complete, with 4 combs and 4 cutters, each $12.75. Extra top plates, $5.00. Extra bottom plates, $5.00.

The Automatic Shearing Knife Grinder.

Sharpens a sheep shearing knife in a few seconds as good as new. No skill required; it is automatic. This Grinder is for sheep shearing knives only, Weight, boxed, 36 lbs. Price, $6.00.

The Keystone Dehorning Clip.

The practice of dehorning cattle is coming more and more into vogue. It is a mercy to the animals. Prevents goring. Does not crush the horns. No twisting motion or second cut on horn. Parts are all interchangeable, and can be replaced at any time. It is approved by veterinarians and leading dairymen. The horns must go, and they cannot go too soon.

PRICE.

Clipper, with leader and rope, extra blades and screw, fully warranted, $12.00. Clipper alone, $10.00.

We furnish a cheaper clipper than the above that is superior to any of the cheap clippers made, but do not recommend it as broadly as the Keystone, which has no equal.

Price, $8.00.

Perfection Calf Dehorner.

ANYONE CAN OPERATE IT.

Price list.

Perfection Calf Dehorner, including sample box of Perfection Cream and full instructions for operating, etc.

Net, Plain .............................................. $3.50
Net, Nickel-plated ..................................... 5.00
Perfection Cream ...................................... 5.00

Discount on five pound orders.
Clark’s Carriage Heaters.
No. 5 B.

Strong; Ornamental. Convenient. Cannot be crushed or bent.
PRICES.
No. 5 B—Clark Heater, 12 inches long, otherwise same as the 3 D, except carpet is not braid bound. Weight 4 pounds. Price $2.00.
No. 5—12 inches long, white metal ends, not covered, $1.75.

No. 3 D—Clark Heater, 14 inches long, sheet metal case, stamped white metal ends, covering of braid-bound Brussels carpet. Weight 7 pounds. Price $2.75.

No. 7 D—Clark Heater, 14 inches long, nickel-plated steel ends, heavily reinforced, covered with Brussels carpet, slanting top, adjustable side and end ventilators. Can be regulated so as to increase or diminish the heat or entirely stop combustion and save coal for future use. Weight 7 pounds. Price $3.00.

Berger’s Side and Bail Lift No. 0 Tubular Lanterns.

Patented One-piece Crimped Tubing Tubs.
No. 1 Burner, 5-inch Wick. No. 6 Globe, Lock Burner, Simplicity Side Lift, Retained and Tested Founts. Especially designed for usage, and is used principally in mills, barns, warehouses, number yards, freight houses, etc. Price, 50c.

DASHBOARD.

BERGER’S COLD BLAST LANTERNS.
A veritable stream of clear, white, smokeless light, resulting from perfect combustion which light the fiercest gales cannot blow out or “fiercest” roasts jolt out. Price 50c.

CAKE OF PREPARED COAL.
One cake will last 15 to 16 hours. No smoke, odor, flame or gas. Price, case of 1 dozen cakes, 75c.

Sal-Veget
GIVE YOUR
Veget
A Specific
for
Indigestion.

SAL-VEGET reliably stimulates the process of digestion and assimilation of food, prevents fermentation, and has a gentle yet positive effect upon the whole digestive and assimilative apparatus, and is, therefore, a remedy which must give energy and strength and restore enfeebled and exhausted animals to their natural condition; the muscles become plump and the subcutaneous fat fills out the wrinkled skin.

SAL-VEGET has stood the test of time and experience. When indicated it has proven entirely trustworthy. Being absolutely uniform in purity and strength, it never, it can always be relied upon to produce satisfactory results.

SAL-VEGET should be given: For a Ravenous Appetitio, Offensive and High Colored Urine, Worms, Skin Eruptions, Offensive Smelling and Loose Bowels, Sour and Foul Breath, Droopingness and Sluggishness, Colic Symptoms, Dull Stomach, and Fourth Appearances.

Dose—Two tablespoonsful once a day on moistened oats or mixed food.

Roto Salt Feeder.

The universal sale of refined compressed salt for horses at all the sales has always been the accepted way of feeding salt. It is now only a question of the best shaped salt cake and the best style of feeder.

ROTO Salt Cake.
Nothing is better than the best, and the best is only good enough.
ROTO Salt Cakes are manufactured by subjecting pure refined salt to tremendous hydraulic pressure; this renders them hard as marble, consequently very lasting.
ROTO Salt Cakes are cylindrical; no corners to chip or break from handling.
The force of the above propositions it is in the common sense they contain.

ROTO Salt Cake, each, 25c.

ROPBS TURNER CAR
149

BUGGY TOPS.

Drill Top, lined with nice union cloth. Tubular sockets and second growth bows, wrought iron and joints, stitched front valance, does not show nails or tacks. Will keep in shape. Side Curtains are included, making top complete. List, $15.00. Retail, $8.50.

Rubber Top, cloth lined, tubular sockets and second growth bows, wrought iron and joints, stitched front valance, no nails or tacks exposed. Will keep shape for years. Complete with side curtains. List, $17.00. Retail, $9.50.

AUTOMOBILE TOPS.

Automobile Tops for any style machine. In ordering, send name of machine and year. Prices on Application.

PLAIN DRILL WAGON CUSHION.

No. 1 PATENTED SHIFTING OR ADJUSTABLE POLE.

Shifts to fit any carriage or sleigh. Best selected timber; ironed with Norwegian Iron. Ironed, complete, painted. List, $15.00. Retail, $7.50.

CORDED BACK.

Corded Cloth Cushion.

WITH FALL.

SOLID CUT AXLE WASHERS.

No. 1 PATENTED SHIFTING OR ADJUSTABLE POLE.

SOLID CUT AXLE WASHERS.

5 Sets in a Box.

1/8 inch, per box... 20c.
1/8 inch, per box...
1-1/2 inch, per box...
1-1/2 inch, per box...
30c.


100 Washers in a box.

3/8 inch, per box... 20c.
3/8 inch, per box...
1-1/2 inch, per box...
1-1/2 inch, per box...
30c.

The Common Sense Bolster Spring.

Wagon will last longer, will carry load in much better condition, particularly fruit or produce.

To carry 500 lbs., $3.00 To carry 600 lbs., $7.50
To carry 1000 lbs., 6.00 To carry 1000 lbs., 8.00
To carry 1500 lbs., 6.50 To carry 1500 lbs., 9.00
To carry 2000 lbs., 7.00 To carry 2000 lbs., 11.00
To carry 3000 lbs., 9.00 To carry 3000 lbs., 12.00
To carry 5000 lbs., 10.00 Special Discount for Cash.

EUREKA WAGON JACK.

Made of steel and malleable iron. Light, strong and durable. Adjustable to any height of wagon. Specially adapted to light vehicles of all kinds. Double acting dogs. one raises, the other backs. Price $1.25.
KITCHEN APRON.

Used by housewives when washing dishes, baking or doing any ordinary work in the kitchen.

This Apron is made of rubber cloth, strong and durable. It is strictly waterproof and protects the dress from water, grease, etc.

Size, 36x45 inches, complete with strings.

No. 105—Black Rubber. 75c.

No. 106—White Rubber, 81c.

If wanted by mail, add 15c. for postage.

ADJUSTABLE STORM FRONT.

All covers have large hame leathers; line rings riveted on hame leathers; snap and rings at trace; strap and buckles at breast; line pocket at saddle, and can be used for double or single team. Two sizes: 5 feet and 5 feet 4 inches.

**PRICE:**

No. 84—Each, to Neck............$3.00

No. 88—Each, to Head............3.50

RUBBER HORSE COVER.

These covers are all made of high-grade Melodian Rubber Cloth, 28 ounces. All covers have strong black web and patent tongueless buckles at sides and front.

Two sizes—1 feet 6 inches and 8 feet.

**PRICES:**

Each, No. 94—Cover to neck, Rubber Drill...........$3.25

No. 98—Cover to head, Rubber............4.00

Rubber Blanket Aprons.

This is a Combination Rain Apron and Blanket Robe. The outside is Melodian Rubber Cloth and the inside is a heavy blanket lining and strictly waterproof.

Fits any size dash, and is fastened to the dash with two steel clamps, and is complete with straps and line pocket.

All robes are 50 ins. from dash to strap.

No. 17—54 inches from side to side...........$2.00

No. 18—60 inches from side to side...........2.50

WASH APRON

This Apron is made of heavy waterproof Duck, and is strictly waterproof; it is used by liverymen, butchers, laundries, creameries, packing-houses, etc.

No. 163—Size 36x48.............1.25
FARMERS' Favorite Road Cart No. 39

Baltimore Three-Leaf Elliptic, End Spring Buggy

Furnished in wood crossbars or Bailey Loop Hanger. Gear painted any color desired—black, green and carmine in stock. Axles, 3-inch double collar steel; Warner or Sarven wheels, No. 1 quality, 3 1/2 or 5 1/2 inch tread; tire bolted between every spoke; body 22 in. wide, seat regular width. Trimmed in leather.

STUDEBAKER WORLD BUGGY.

No. 805—Axles drop pattern, 15-16 in. Wheels Sarven, screwed rims, 40 and 44 in. high. Body 22x54-in. bottom, panel seat, solid back. Body, upholstery, gear dark green or carmine. Leather quarter and stay. List price, $105.00; Retail price, $65.00.

We frequently have special styles of Buggies and Road Wagons that are not catalogued, on which we can make attractive prices. Write us for styles and quotations.

THREE-SPRING DELIVERY WAGON.

Axle, 1 1/4 in.; 1 1/2 in. steel tire; body, 7 ft. long, 3 ft. wide, 9 in. deep. Drop end gate. Capacity, 1000 lbs. Price without Top or Brake, List, $77.50. Retail, $72.50. With Top, List, $122.50. Retail, $117.50. Brake, List, $5.00. Retail, $3.00 extra.

Baltimore Road Wagon.

Wheels, Sarven patent, 1 1/4 inch tread, with round edge steel tire. Gear, fan-tail and swedged; three-leaf 34-in. spring; axle bedded and reached ironed. Body, size, 44x24 in. on bottom; round corners and concave seat risers; steel body loops; Seat, size, 16x27 in., with detachable panel back. Trimblings, leather dash; carpet in bottom; cushion and back green cloth or imitation leather. Painting, body, black; gear, Brewster green. List, $90.00. Retail, $37.50.

No. 4 DAYTON.

Length of body, 5 ft. 10 in., width, 2 ft. 10 1/2 in., frame and seats best white ash. Panels best No. 1 poplar; wheels, 3 ft. 9 in. and 3 ft. 5 in. high; Warner or Sarven brand; 1 1/2 in. steel tire; 1 1/2-in. steel axle, front spring 1 1/2 in. 4-ply; two back springs 1 1/2 in. 4-ply, oil tempered; gear best white hickory; cushions trimmed either in leather or cloth cushion 21 oz.; green back, gum; finished natural wood or painted as desired; hung on Brewster springs; PRICE:

Retail $110.00

Can also furnish in duplex or side bar at same price.

DUPLICATE SPRING WAGON.

Axle, 1 1/4 in.; 1 1/2 in. steel tire; body, 7 ft. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity, 1000 lbs. Price without Top or Brake, List, $72.50. Retail, $65.00. With Top, List, $118.50. Retail, $70.00.

No. 3 Driving Wagon.

Wheels, ex. selected hickory; Sarven patent, or compressed steel band; 3 1/2 in. round edge steel tire, bolted at every spoke. Gear, fan-tail and swedged; 36-in. 4-leaf graded steel springs. Body, ash sides and poplar panels; size, 21x54 in.; full length steel body loops; wrought stops, with rubber pads. Seat, size of bottom, 17x28 in., polished beveled edge back. Trimblings, leather dash; full-length tapestry carpet; cushion and back, whipcord or leather; leather extra. Painting, body, black; gear, Brewster green or carmine.

List $85.00

Retail $55.00

Price $1.00

Three can ride as comfortably as two. Carpet top and bottom. No Injury to cushion.

I. D. SEAT.
Griffith & Turner One-Horse Wagons.

ARE THE BEST ON THE MARKET FOR THE MONEY.

One-Horse Wagon, without Brake.
List, $58.00; Retail, $55.00.

One-Horse Wagon, with Gear Brake.
List, $44.00; Retail, $42.00.

One-Horse Wagon, gear only, without Brake.
List, $44.00; Retail, $25.50.

Special Discount for Cash.

ONE-HORSE WAGON NO. 40.

No. 40—Size Steel Axle, 1%; size Tubular Axle, 1% x 4; size Tire, 1% x 5-16; capacity, 1300 to 1800 pounds.
Without Brake, List, $67.00; Retail, $48.00.

With Gear Brake, List, $73.00; Retail, $45.00.

Gear only, no Brake, List, $30.00; Retail, $35.00.

Gear only, with Brake, List, $65.00; Retail, $89.00.

Solid Steel and Tubular Steel Axle Wagons

These Wagons are all heartily ironed and braced, and for use in rough and hilly country they are specially adapted, being exceptionally strong. The wheels are dipped in boiling Oil, and the rough edge tire is used for the protection of felloes and paint. They are one of the lightest-running Wagons made. There is an increasing demand in sandy countries for steel-axle wagons, and our trade in this style has grown immensely.

The prices include Whiffletrees, Stay Chains, Tongue Chains, Box, Top Box, Spring Seat and Gear.

All Wagons will be arranged with Shafts for one horse instead of Tongue when ordered at same price.

EXTRAS FOR G. & T. WAGONS.

<table>
<thead>
<tr>
<th></th>
<th>G. &amp; T. One Horse, No. 40</th>
<th>No. 42</th>
<th>No. 44</th>
<th>No. 46</th>
<th>No. 48</th>
<th>No. 50</th>
<th>No. 52</th>
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<tbody>
<tr>
<td></td>
<td>List</td>
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<td>List</td>
<td>Retail</td>
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<td>List</td>
</tr>
<tr>
<td>Bodies</td>
<td>16.00</td>
<td>6.00</td>
<td>17.00</td>
<td>6.50</td>
<td>18.50</td>
<td>6.50</td>
<td>20.50</td>
</tr>
<tr>
<td>Spring Seat</td>
<td>2.00</td>
<td>0.75</td>
<td>2.00</td>
<td>0.75</td>
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<tr>
<td>Tongues</td>
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<td>0.35</td>
<td>0.00</td>
<td>0.35</td>
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<tr>
<td>Wheels Reg.</td>
<td>24.00</td>
<td>15.00</td>
<td>29.00</td>
<td>18.00</td>
<td>43.00</td>
<td>27.00</td>
<td>48.00</td>
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<tr>
<td>Tire, per set</td>
<td>24.00</td>
<td>15.00</td>
<td>29.00</td>
<td>18.00</td>
<td>43.00</td>
<td>27.00</td>
<td>48.00</td>
</tr>
</tbody>
</table>

For tires wider than above on Nos. 42, 44 and 46, add List $8.00, Retail, $5.00 per inch; on Nos. 48, 50 and 52, add List $11.00, Retail $6.00 per inch.

For tires thicker than regular add $4.50 List, $2.75 Retail, for every 1/4 inch additional thickness on 3 inches wide and upward. Less than 3 inches wide add $2.25 List, $1.25 Retail, for every 1/4 inch additional thickness. Special Discount for Cash.

PRICE OF THE "HANDY" STEEL WHEEL FARM GEAR.

<table>
<thead>
<tr>
<th>Size of Axles</th>
<th>Height of Wheels</th>
<th>Width of Tire</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-in. steel</td>
<td>28 and 39 inch</td>
<td>4 inch</td>
<td>3000 lbs</td>
<td>$25.00</td>
</tr>
<tr>
<td>3-in. steel</td>
<td>28 and 39 inch</td>
<td>4 inch</td>
<td>3000 lbs</td>
<td>$25.00</td>
</tr>
<tr>
<td>2-in. steel</td>
<td>28 and 39 inch</td>
<td>4 inch</td>
<td>3000 lbs</td>
<td>$25.00</td>
</tr>
<tr>
<td>3-in. steel</td>
<td>28 and 39 inch</td>
<td>4 inch</td>
<td>3000 lbs</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

For Wagons and for mounting Feed Cutters, Threshers, Huskers, etc.

Electric Steel Wheels.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>24 x 4 inch</td>
<td>$3.75</td>
</tr>
<tr>
<td>28 x 4 inch</td>
<td>$4.25</td>
</tr>
<tr>
<td>32 x 4 inch</td>
<td>$4.75</td>
</tr>
<tr>
<td>36 x 4 inch</td>
<td>$5.00</td>
</tr>
<tr>
<td>40 x 4 inch</td>
<td>$5.75</td>
</tr>
</tbody>
</table>
**PETER SCHUTTLER WAGON.**

*With Patented Metal Sand Guards, Lynch Pin, Steel Skeins.*

**PRICES, WAGON COMPLETE.**
3 1/2-in. Steel Skein Wagon, with Wheels 3 ft. 9 in. front, 4 ft. 7 in. rear, 4 3/4-in. Tires, 13-in. Top Box, Spring Seat, 1 1/2-in. Eastern Gear Brake, Truss and Sand Guards complete. Retail Price... $102.00

**PRICES, GEARS ONLY, WITH BRAKE.**
3 1/2-in. Steel Skein Gear only, with Wheels 3 ft. 9 in. front and 4 ft. 7 in. rear, 4 3/4-in. Tire, 1 1/4-in. Eastern Gear Brake, Truss and Sand Guards. Retail Price... $89.00

3 1/2-in. Steel Skein Gear only, with Wheels 3 ft. 9 in. front and 4 ft. 7 in. rear, 4 3/4-in. Tire, 1 1/4-in. Back-Action and Side-Lever Brake, Truss and Sand Guards. Retail Price... $90.50

**STUDEBAKER JUNIOR.**

The Studebaker Junior is a substantially made miniature wagon, not a mere toy. It is one of the finest and strongest wagons of its kind in the market, and is built after the style of the regular Studebaker—oak frame, farm wagon gearing with bent hounds and adjustable reach, all parts strongly ironed and braced, welded tires, staggered spokes, hub boxes and caps, oak shafts (or pole if desired), handsomely painted. Body is 17x36, wheels 12x18 inches. The Studebaker Junior is suitable for use by the child alone or with a good sized dog, sheep or goat in the shafts. **Price, $9.00.**

**YOU WILL NOTE BY EXAMINING SPECIFICATIONS ABOVE THAT THE HEAVY GEARS WITH 3 1/2, 3 3/4 AND 4 INCH SKEINS ARE ALL FIGURED WITH BACK-ACTION AND SIDE-LEVER BRAKES.**

**There are several very valuable features in this wagon that are not found in others, viz: Oscillating King Bolt, Axle Truss, Sand Guards and Stool Collar.**

The Oscillating King Bolt prevents all twisting and wrenching of the box and load, and relieves the team when wheels pass over obstructions, adding to the life of the wagon.

The Axle Truss adds greatly to the strength of the axle and is held in place by a truss clip, which see in cut, and further strengthened by the Stool Collar, which clamps around the top of the bolster and bolted at bottom of the axle truss, bringing weight of load nearer the wheels.

Another very valuable and necessary attachment is the Metal Sand Guard, consisting of a flat malleable iron ring clinched to the skein collar. It fits nicely within the hub band, which projects full width over it when wheel is in place, consequently the skein bearings are rendered entirely impervious to dust or sand.
### SPECIAL STEEL SKEIN FARM WAGON FOR MARYLAND AND PENNSYLVANIA.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size of Skein</th>
<th>Height of Wheels</th>
<th>Size of Tire</th>
<th>Dimensions of Box</th>
<th>Approximate</th>
<th>Prices.</th>
</tr>
</thead>
<tbody>
<tr>
<td>275</td>
<td>3 3/4 x 11</td>
<td>3</td>
<td>8</td>
<td>4</td>
<td>6</td>
<td>4 x 4/8</td>
</tr>
<tr>
<td>285</td>
<td>3 3/4 x 12</td>
<td>3</td>
<td>8</td>
<td>4</td>
<td>6</td>
<td>4 x 4/8</td>
</tr>
</tbody>
</table>

### SPECIAL DISCOUNT FOR CASH.

### STANDARD THIMBLE SKEIN FARM WAGON.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size of Skein</th>
<th>Height of Wheels</th>
<th>Size of Tire</th>
<th>Dimensions of Box</th>
<th>Approximate</th>
<th>Wagon complete with brake.</th>
<th>Gear only with brake.</th>
<th>Prices.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2 x 8 x 8</td>
<td>2</td>
<td>8</td>
<td>4</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>2 x 8 x 8</td>
<td>2</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>2 x 8 x 8</td>
<td>2</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>2 x 8 x 8</td>
<td>2</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>3 x 9 x 8</td>
<td>3</td>
<td>9</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>3 x 9 x 8</td>
<td>3</td>
<td>9</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
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<tr>
<td>3</td>
<td>3 x 9 x 8</td>
<td>3</td>
<td>9</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>4 x 10 x 8</td>
<td>4</td>
<td>10</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>4 x 10 x 8</td>
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<td>2 1/2 x 3</td>
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<td>10</td>
<td>3</td>
<td>4</td>
<td>2 1/2 x 3</td>
<td>12</td>
<td>8</td>
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<tr>
<td>5</td>
<td>5 x 11 x 8</td>
<td>5</td>
<td>11</td>
<td>3</td>
<td>4</td>
<td>3 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
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<td>5</td>
<td>5 x 11 x 8</td>
<td>5</td>
<td>11</td>
<td>3</td>
<td>4</td>
<td>3 1/2 x 3</td>
<td>12</td>
<td>8</td>
</tr>
</tbody>
</table>

### STUDEBAKER'S FARMERS' HANDY TRUCK.

This truck is especially adapted to farm or orchard work, but can be readily utilized for transfer work by adding a suitable platform. The reach is long enough to couple out for a 15-foot rack or box. The bolsters are made with wrought iron sockets and removable wood standards.

We believe the wood hub wheels to be stronger and of longer life than the steel wheels, but will, if desired, furnish steel wheels at the same price.

Note: We will ship wood wheels only; otherwise specified.
### Wagon Seats.

<table>
<thead>
<tr>
<th>List Price, $6.00</th>
<th>Retail Price $3.50</th>
</tr>
</thead>
</table>

**SPECIAL STEEL SKEINS, LINCH PIN GEARS, 4-INCH TIRES.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size of Cast Skins</th>
<th>Height of Front Wheels</th>
<th>Height of Rear Wheels</th>
<th>Size of Tire</th>
<th>Regular depth of bottom box</th>
<th>Regular depth of top box</th>
<th>Length of bed inside</th>
<th>Capacity pounds</th>
<th>Wagon Complete with Brake.</th>
<th>Gear only with Brake.</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>3 x 10</td>
<td>3 1/4 x 4 x 7 1/4</td>
<td>3 x 7 1/4</td>
<td>4 x 1 1/2</td>
<td>10 1/2 x 10 1/4</td>
<td>10 x 10</td>
<td>4 x 18</td>
<td>3000</td>
<td>$12.50</td>
<td>$7.50</td>
</tr>
<tr>
<td>23</td>
<td>3 x 11</td>
<td>3 1/4 x 4 x 7 1/4</td>
<td>3 x 7 1/4</td>
<td>4 x 1 1/2</td>
<td>10 1/2 x 10 1/4</td>
<td>10 x 10</td>
<td>4 x 18</td>
<td>3000</td>
<td>$12.50</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

#### PATENT STEEL SKEINS.

**List S. B. Trade Cast Skins.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Price, per set</th>
<th>Retail Price, per set</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2 x 6</td>
<td>$3.25</td>
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<tr>
<td>3</td>
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<td>13 x 6</td>
<td>$8.75</td>
<td>$6.80</td>
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<td>14</td>
<td>14 x 6</td>
<td>$9.25</td>
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<td>15 x 6</td>
<td>$9.75</td>
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<tr>
<td>21</td>
<td>21 x 6</td>
<td>$12.75</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

**Note:** These Trade Skins not to be confused with the patent and special truss skins used on the Brown and Studebaker Wagons.

### Brown Wagon.

Axles are made of dried selected hickory. Brown's Patent Extension Chilled Skins. These Skins support the axle where it has the greatest load to bear. Tongue Chains and Stay Chains fixed with springs. The Tongue Chains have a branch chain to prevent jerking and switching of the tongue and eases the draft on the horses' necks. Wheels all positively soaked in hot oil. Tires never get loose. Write for special circular fully describing these wagons.

Coil springs are applied to Tongue—eases draft on team's neck, when chains are forced to control tongue or hold neck. They supply the place of the wheeling neck yoke. Yoke to pull of chain or branch chain, saving team from jerking of tongue. Tongue chains are added to each tongue, practically destroying side jerking and whipping motion. Acts same as neck yoke.

---

**S. B. TRADE CAST SKEIN.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price, per set.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 x 6</td>
<td>$3.25</td>
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<tr>
<td>2</td>
<td>3 x 6</td>
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<td>$11.75</td>
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<td>19</td>
<td>20 x 6</td>
<td>$12.25</td>
</tr>
<tr>
<td>20</td>
<td>21 x 6</td>
<td>$12.75</td>
</tr>
</tbody>
</table>

All sizes, from 2% x to 4 x. Inclusive, are made with truss attachment, as shown in cut. These Skins are made of a better quality of iron than the ordinary trade cast Skins.

Made of the best grade of plate steel. Solid extension back of the collar keeps the wet and grease from working into on axle. Extension back of collar covers all tapering portions and more of the wood of the axle than any other kind.
OLIVER.

Strong, heavy. Furnished with either cast or steel cutter shares; with draft iron running from clevis to beam, jointed or hinging desired. R. H. only.

Oliver's Latest Pattern, Road and Grading Plow, No. 24. IRON BEAM.

Price. Plain, $15.50; with Wheel, $16.00.
Above prices include 1 extra share.

Syracuse Contractors' Plow, No. 1.

Hard iron wearing parts. Extra heavy beam, share and strip. Steel wheel standard. Turn furrow 5 to 9 inches deep, 12 to 18 inches wide. For general grading purposes. Two to four horse. Weighs 155 lbs. with wheel. $15.00.

Moulboards, landsides and points interchangeable. Points put on with five-eighths bolt.

Baltimore Contractors' Plow.

No. 1—R. H., 2 to 4 horse; wt., 150 lbs. Price $25.00.
No. 1—L. H., 2 to 4 horse; wt., 150 lbs. Price $27.50.
No. 2—R. H., 4 to 6 horse; wt., 200 lbs. Price $27.50.
No. 2—L. H., 4 to 6 horse; wt., 200 lbs. Price $27.50.
No. 1—R. H. point. Price $4.00.
No. 2—R. H. point. Price $4.00.
No. 2—L. H. point. Price $4.50.

HASLUP ROUND BACK, SOLID PRESSED DRAG SCRAPER.

No. 1—With runners: capacity, 9 cubic feet; weight, 140 lbs.; price $5.50.
No. 2—With runners: capacity, 6 cubic feet; weight, 80 lbs.; price $5.00.
No. 3—With runners: capacity, 3½ cubic feet; weight, 50 lbs.; price $5.25.
For single runners add to above price $1.

No. 2, 2½, and 3 are furnished with heavy wood hub wheels; hub, spokes and rims made of thoroughly seasoned stock. Sarven or metal wheels are furnished when ordered. Nos. 2½ and 3 wheelers are furnished regularly with snatch rod, and No. 2 when specially ordered.

We can furnish doubletrees and neckyokes when ordered, but charge extra for them.

SYRACUSE CONTRACTORS' PLOW, NO. 99.
Four to Eight Horses. Weight with Shoe 310 lbs.


SYRACUSE PAVEMENT FLOW, NO. 98.

Haslup Patent Wheel Scraper.

DESCRIPTION OF SIZES.
Order by Number Only. We Make Four Sizes.
No. 1—Capacity, 9 cubic feet; size of bowl, 36 inches long, 36 inches wide, 12 inches deep; wheel, 36 inches high; tire, 3½ in.; steel axle, 1½ inches square, arched high; spindles turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft bars; weight, 490 lbs. Price, $30.00.
No. 2—Capacity, 12 cubic feet; size of bowl, 37 inches long, 38 inches wide, 13½ inches deep; wheels, 40 inches high; tire, 3½ in.; steel axle, 1½ inches square, arched high; spindles turned and polished; tongues, best quality of hardwood, heavily ironed; with double steel draft bars; weight, 600 lbs. Price, regular $37.50; same, with Snatch Rod, $38.50.
No. 2%—Capacity, 14 cubic feet; size of bowl, 41 inches long, 38 inches wide, 14 inches deep; wheels, 44 inches high; tire, 3½ in.; steel axle, 1½ inches square, arched high; spindles turned and polished; tongues, best quality of hardwood, heavily ironed; with double steel draft bars; weight, 750 lbs. Price, $42.50.
NEW YORK ACME AUTOMATIC BOTTOM DUMPING WAGON.

Made of best materials, constructed according to the most approved methods of wagon building. Dumping is done by driver without leaving his seat by simply pressing down lever until load is discharged. Axles heavily bedded in wood; spokes of selected second-growth oak, slit, dipped in hot glue before driving; rims best from best white oak; holies of best selected dry oak.

One and one-half Yard Dumping Wagon.—Size front axle, 2 x 2 inches; hubs, 9 x 1 1/2 inches; spokes, 2 1/2 inches; depth of rim, 2 inches; width of rim, 3 or 4 inches as wanted; thickness round edge tire, 1 1/2 inch; width of tire, 3 and 4 inches as wanted; diameter front wheels, 36 inches; rear wheels, 48 inches; weight, 1,600 pounds.

Same as above, but capacity 2 cubic yards. Weight, 1,700 pounds.

PRICE:

1 1/2 Yard Wagon, 4 x 3 1/2-inch Tire. $145.00
2 Yard Wagon, 4 x 3 1/2-inch Tire. $155.00
Without Brake, less $7.50.

The Studebaker Ideal Bottom Dumping Wagon.


Acme Contractors’ Bottom Dumping Wagon.

Is so constructed that the load being carried low, is equally distributed on the four wheels and dumped by the driver with his foot while going.

The doors are suspended with solid and chain hinges combined, and when open are not rigid laterally, but free to oscillate in any direction.

No chains on inside; dumps clean and clear; can be turned within its own length. Price, without brake, $136.00.

No. 210%. Size of skeins—Front, 3 1/4 inches; hind, 3 1/4 inches. Height of wheels—Front, 36 inches; hind, 60 inches. Size of tire—5 x 1/4 inches. Capacity of box—1 1/2 cubic yards. Retail price, without brake, $135.00. With brake, $145.00.

FARM AND CONTRACTORS’ CART.

With 5 and 6-inch Tires; also extra heavy Contractors’ Carts made specially to order when wanted.

These carts are very strong, heavily ironed, nicely painted, stripped and varnished.


<table>
<thead>
<tr>
<th>Axle Size</th>
<th>Tires Size</th>
<th>Diam. of Wheels</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>1 1/2 inches</td>
<td>3 inches</td>
<td>4 ft. 10 in.</td>
<td>$37.50</td>
</tr>
<tr>
<td>1 1/2 inches</td>
<td>2 inches</td>
<td>4 ft. 10 in.</td>
<td>41.50</td>
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<tr>
<td>1 1/2 inches</td>
<td>1 inches</td>
<td>4 ft. 10 in.</td>
<td>45.00</td>
</tr>
<tr>
<td>1 1/2 inches</td>
<td>4 inches</td>
<td>4 ft. 10 in.</td>
<td>48.50</td>
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</table>

Special Discount for Cash.

FARM AND CONTRACTORS’ CART WHEELS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price per Pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Farm Cart, 1 1/2-in. axle, 3-in. tire</td>
<td>$20.00</td>
</tr>
<tr>
<td>For Contractors’ Cart, 2-in. axle, 5-in. tire</td>
<td>$20.00</td>
</tr>
<tr>
<td>For Contractors’ Cart, 5-in. tire</td>
<td>$20.00</td>
</tr>
<tr>
<td>For Contractors’ Cart, 6-in. tire</td>
<td>$20.00</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Price per Pair</th>
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</thead>
<tbody>
<tr>
<td>Shafts for 1 1/2-in. axle Farm Cart, no iron</td>
<td>$8.75</td>
</tr>
<tr>
<td>Shafts for 2-in. axle Contractors’ Cart, no iron</td>
<td>$7.50</td>
</tr>
<tr>
<td>Axles for 1 1/2-in. axle Farm Cart</td>
<td>$5.50</td>
</tr>
<tr>
<td>Axles for 2-in. axle Contractors’ Cart</td>
<td>$8.50</td>
</tr>
<tr>
<td>Bodies for Farm Cart</td>
<td>$22.50</td>
</tr>
<tr>
<td>Bodies for Contractors’ Cart</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

Pattern No. 97.

No. 3—Evereiner, 48 inches.
Weight per Set, 40 pounds.

Contractors’ Tubular Everlasting Steel Doubletree.

No. 2—Length, 48 inches; weight, 14 pounds. Retail Price, each, $2.75.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
GRiffith & turner co.

.. unclassified goods.

amatite ready-to-lay roofing.

the best roofing on the market at the price: requires no painting, no repairs, no tinkering; in fact, no care or attention of any kind for a long time after it has been put down. it is a fire retardant, requires no skilled mechanic to lay it. it is highly, very durable and a decided improvement on any other ready roofing on the market today. send for booklet fully describing the character of this excellent roofing, also a small sample. rolls 32 inches wide; 110 square feet sufficient to roof, allowing 8-inch laps. cement and nails packed with each roll. price per roll, $2.00; five rolls, $5.50; ten rolls, $18.00.

falcon brand roofing paper.

2-ply Falcon Roofing, per roll of 108 sq. ft. $ .75
3-ply Falcon Roofing, per roll of 108 sq. ft. 1.60
Coal Tar, per barrel. .75
Roofing Pitch, in barrels of about 200 lbs. per barrel. .06
Roofing Nails and Caps, per pound. .05

gritco combined pea and corn drill.

price ........... $16.00

mistry, jr.

the best nozzle we have ever seen for spraying sedimental solutions. the spray hole being placed in the centre but has two holes of entrance to fill the large cap, and the force gives the solution a terrific rotary motion, producing a perfect mist. prof. symons, of the md. agrl. college, highly recommends it. price, $1.25.

Harrow Truck

Can be attached to a two or three-section harrow. No interference with levers at any time.
Wheels 24 in. high, tire 3 in., and far enough apart to avoid the row when harrowing small corn. Draw bar high carbon steel bar. Driver always faces the team. price, $10.00.

Eagle Reversible Harrow Points

Most durable and practical points on the market. No overloading the agricultural steel. Will wear a long time. Fastening device to the old tooth very simple, making any length desired. Points reversible. Has pulverizing qualities, for any soil. price, 15c.

G & T EGG PRODUCER

will produce eggs if used according to directions. Valuable at moulting time, keeping up the fowl's strength. Makes feathers develop, shortening the moulting period, for fowls recovering from roup, there is nothing better. Will gradually tone up the system. It is not a cure-all. See our other remedies for various diseases. Price, 25c.

G & T CHOLERA REMEDY

For treatment of indigestion, bowel trouble, diarrhea, constipation and troubles of like character in old and young fowls, there is no better remedy. Should always be kept on hand. price, 25c.

G & T LIQUID LICE KILLER

For destruction of mites, lice, etc. As powder will not reach them effectively on the nests, roots, root boards, etc., we offer the liquid killer, to be painted on the framework or it can be sprayed on. It will quickly and entirely rid your houses of these pests. Directions on every package. Price, quarts, 55c; half gallon, 60c. 1 gallon, $1.00.

G & T LICE POWDER

Recommended by prominent poultrymen. Fatal to all lice, fleas and other insect vermin. Perfectly harmless to fowls, animals and vegetable life. Invaluable for use on setting hens and young chicks. For disinfesting hen houses, cow stalls and stables on horses, sheep and dogs; lice on vegetable plants there is nothing better. Furs and carpets where this powder has been applied. Directions come with every package. Price, 25c, 50c, $1.00.

This method of planting corn and peas is attracting a great deal of attention. And we now offer this machine which will successfully deposit corn and cow peas (some climbing variety being preferred) in the same hill. The theory which is proved by practical experience. is that the Pea or Bean being a leguminous plant, abstracts nitrogen from the air and deposits it in direct contact with the roots of the corn. Prof. Talliaferro, Agriculturist at the Md. Agricultural Experiment Station, states in a letter to us that "we find that corn and pea grown in this manner give a larger yield of corn than when corn is grown alone." He also states that "the yield of corn treated as above is better than corn or pea planted alternately in rows, and it not only benefits the corn but the growth of peas is not lessened.

It produces the best balanced ration and ensilage of any other known method.

BINDER CANVAS STAPLES

Per lb. 20c

BINDER CANVAS SLATS

Each, 5c

reiter bolster spring

One of the best bolster springs made. A great improvement. Specially desirable for hauling fruit, eggs, etc. Do not work on top of bolster like bolster springs, but on each side in shackles on the same principal as any high-priced spring wagon. Cannot be broken by overloading or rebounding like a spring wagon.

To arrive at size wanted, give measure of wagon between standards. Capacity between Between

lbs. Standard 2096 2200 2500 3000 4000 5000 6000

in. $13.00 $14.00 $14.50 $15.00 $16.00 $17.00 $20.00

removable basket handles

Easily and quickly adjusted. Saves fruit and time. Baskets carried without mashing fruit. Price ...... 15c.
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Belting...
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Binders, Canvas Slats...
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Brooms...
Bug Sprays...
Buggies...
Buggy Tops...
Bulbed, Grass, or Lawn...
Butter Quills...
Butter Spreads...
Cane Stakes...
Calf Feeder...
Calf Weaners...
Canton Hose...
Carnation Goods...
Carnation Supports...
Glover Powder...

Grassland Wax...
Grain Fans...
Grain Sealers...
Grass Hooks...
Grass Shears...
Grind Mill, Power...
Grind Stones...
Grill and Shell Boxes...
Grub Hoes...
Grub Flow...
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Halters...
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Handles, Ax...
Handles, Fork, Hoe, and Shovel...
Harrows...
Harrow Teeth...
Harrow Tractors...
Hedge Shears...
Hitching Posts...
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Hog Tongs...
Hog Chippers...
Hog Comfort...
Horse Covers...
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Horse-Radish Grater...
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Horse Nogales...
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Stump Pullers...
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Tough on Flies...
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Wheels, Electric...
Wheels, Cart...
Whiteneers...
Whitewash...
Windmills and Towers...
Wire Cloth...
Wire Flders...
Wrenches...
Widders
The application of Fertilizers has been a topic much discussed among farmers generally. The fertility and requirements of the soil are so varied, some lands being deficient in Potash, Phosphoric Acid, or some other chemical ingredient, that it is frequently very difficult for the farmer to determine just what mixture he needs. We give below a line of fertilizers best adapted to the various soils and crops.

Animal Bone Phosphate.
Made principally from Animal Bone, Potash and Ammonia in proper proportion. A complete manure always gives good results. Especially adapted to the growth of Wheat and Grass—contains all the ingredients necessary to supply what may be lacking in the soil for almost any crop.

Price, $20.00 per ton.

Ammoniated Alkaline Plant Food.
Our old stand-by for summer crops; is used largely on Potatoes, Corn, Tobacco and other summer crops, stands the hot dry weather particularly well.

Price, $25.50 per ton.

Ammoniated Butchers’ Bone Phosphate.
Is made largely from slaughter-house stock; used principally for Wheat and Grass, as well as by growers of Corn and Tomatoes for curing purposes; a good article at a low price.

Price, $23.50 per ton.

Soft Ground Bone.
Made from softer material than the regular “Ground Bone,” and contains some little meat and blood. The great objection to the use of Pure Bone (the price) no longer prevents its use by anyone wanting to restore worn-out land. Try it and be convinced.

Price, $21.00 per ton.

Dissolved Bone.
Made from stock containing some meat, thoroughly dissolved, and in fine drizzling condition.

Price, $28.00 per ton.

KIL-WEED
For the destruction of noxious weeds and grass that infest Parks, Streets, Driveways of Private Residences, &c.

All organic growth is destroyed, therefore only intended for places where weeds are not wanted.

KIL-WEED not only kills weeds, but destroys seed germs and roots of plants.

One gallon KIL-WEED will make 50 gallons treating liquid.

Write for Circular and Prices.

KIL-WORM
For use on Golf and Cricket Grounds, Parks, Cemeteries, &c.

KIL-WORM does not injure grass but acts rather as a fertilizer.

KIL-WORM has been thoroughly tested and found perfectly satisfactory.

KIL-WORM kills Worms, Ants, Snails, &c. Causes the insects to come to the surface to die.

One gallon KIL-WORM makes fifty gallons of liquid.

Write for Circular and Prices.

NITRATE OF Soda.
Fine Ground Fish.
Ground Tankage.
Prices on application.

Land Plaster.
In bags 50 lbs. each. 30 lbs. per bag $7.50 per ton.

Pulverized Sheep Manure.
This is a purely a natural soil and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and one-seventh soil. As a top dressing for lawns, it is unequalled.

5 lbs. 25 c. 10 lbs. 40 c. 50 lbs. $1.00.
50 lbs. $1.25 100 lbs. $2.00.

Special prices in tons, 14 tons, or carload.

Bone Flour.
Made especially for Florists and Gardeners. This flour is passed through a 30-mesh screen and is consequently exceedingly fine, and in addition to its use in potting contains no foreign matter at all. Write for sample.

Price $4.00 per bag of 107 pounds.

Soft Ground Bone.
In packages.

5 lbs. 25 c. 10 lbs. 40 c.

How to make INSECTICIDES

FUNGICIDES.

Bordeaux Mixture.
Copper Sulphate—6 pounds.
Quicklime—4 pounds.
Water—40 gallons.

Dissolve the copper sulphate by putting in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Make the lime in an equal amount of water. Mix the two, and add enough water to make 40 gallons. It is then ready for immediate use.

Copper Sulphate Solution.
Copper Sulphate—1 pound.
Water—15 gallons.

Dissolve the copper sulphate in the water, when it is ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and pears, use 22 gallons of water. For fungous diseases.

INSECTICIDES.

Kerosene Emulsion.
Hard Soap—4 pound.
Boiling Water—1 gallon.
Kerosene—2 gallons.

Dissolve the soap in water, add the kerosene; and churn with a pump for 10 to 15 minutes. Dilute to 10 to 25 times before applying. Use strong emulsion for all scale insects. For insects which suck, as thrips, red spider, mites, etc.

Lime, Sulphur and Salt Wash—to Make Fifty Gallons.

Best unslaked lime—30 pounds.
Flour, Sulphur—15 pounds.
Stock salt—12 pounds.
Water to make—50 gallons.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
THE NEW METHOD OF FERTILIZING THE SOIL,
ONE OF THE GREATEST DISCOVERIES OF THE AGE.

KIL-O-SCALE
THE GREAT SAN-JOSE SCALE DESTROYER.