Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.
GRiffith & TURNER CO'S
CATALOGUE OF FARM AND GARDEN SUPPLIES.

INTRODUCTION.

AS STATED in our former issue, it was our aim to make that Catalogue the most complete and attractive that we had ever placed before you, and from our greatly increased sales, and the large number of new names on our books, we realize that we have succeeded.

Farmers are now reaping the reward that they justly deserve, and, in consequence, all business has improved.

From present indications, the coming year will be the most prosperous that farmers and merchants have experienced for years. Manufacturers have been taxed to their utmost to meet the demand for their goods, and quite a number are taking orders only for future shipments. Our trade is the best that we have ever had in the history of the house.

One very gratifying feature about the present situation is, that while farmers are receiving good prices for their produce, they are paying exceedingly low prices for their supplies.

We propose to keep ahead of the times, and trust that our past business relations have been such as to warrant a continuance of your patronage. Yours, etc.,

GRiffith & TURNER CO.

WE DELIVER FREE

TO ANY POST OFFICE IN THE UNITED STATES,

All Vegetable and Flower Seeds, by the Packet, Ounce or Quarter Pound. On quantities over quarter pound the purchaser pays the postage at the rate of 8 cents per pound. On Beans, Peas and Corn 8 cents per pint or 15 cents per quart should be added to the Catalogue Price to pay the postage.

WHOLESALE PRICES TO MARKET GARDENERS.

Market Gardeners and all other purchasers of Seeds should send for our Market Gardeners' List, which gives our Special Prices, and to which they are entitled, provided their purchases warrant it.

ORDERS

From unknown Correspondents must be accompanied with the Cash.

PACKING AND SHIPPING.

We make no charge for boxes or packing of retail orders, and deliver all goods to any railroad or steamboat free of charge. We charge for cotton bags as follows: Peck and half bushel, 10 cents each; 1 bushel, 15 cents each; 2 bushels, 20 cents each.

HOW TO REMIT.

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

John M. Griffith, President.
M. S. Griffith, Vice-President.
John L. Turner, Treasurer.
George W. Hobbs, Secretary.

QUALITY OF SEEDS.

We do not sell the cheapest seeds, but make LOWEST PRICES consistent with quality. They will please you.

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.

NOTICE

The greatest care is taken to supply every article true to name and of the very best quality; at the same time it is mutually understood that we do not warrant our seeds, and that we are not in any respect responsible for any loss or damage arising from any failure thereof.

GRiffith & TURNER CO.,
205, 207, 209, 213 North Paca St.,
Branch House: 116 and 118 Light St. BALTIMORE, MD.
ORDER SHEET

FOR

Griffith & Turner Co's Seeds, Bulbs, Etc.

205, 207, 209 AND 213 NORTH PACA ST.,
BRANCH HOUSE, 116 AND 118 LIGHT ST.,

Baltimore, Md.

How to Send Money. From Unknown Correspondents Cash
and can be sent to us by P. O. Order, Express Money Order, Bank-Draft,
Express, or by Registered Letter. Every postmaster is required to register
any letter on payment of 8 cents extra postage.

For Small Amounts send Postage Stamps, Which Will Always be
Accepted.

SEEDS BY MAIL. At the prices given in this Catalogue, we send
all Vegetable Seeds by packet, ounce, and quarter pound, and all Flower
Seeds by Mail, Postage Prepaid, without any extra expense to the purchaser.
On Vegetable Seeds by the pound the postage is 8 cents per pound extra.
On Beans, Peas and Corn add 8 cents per pint for postage.

VERY IMPORTANT. No difference how often you have written us
always give your full Address, and write your Name, Post Office, County and
State very plain. By so doing you will save us much trouble, and avoid the
possibility of delay and mistake in filling orders. We frequently get orders
without address or signature.

PLEASE ORDER FLOWER SEEDS BY THE NUMBERS.

Forward by} State on this line whether wanted
by Mail, Express or Freight.}

Your Name,

Post Office.

Amount Enclosed

Post Office Order,
Postal Note,
Express Money Order,
Bank Draft,
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>NAMES OF ARTICLES ORDERED</th>
<th>PRICE</th>
<th>QUANTITY</th>
<th>NAMES OF ARTICLES ORDERED</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Carried Forward.**
FARM & GARDEN SEEDS

GRIFFITH & TURNER CO.,
FARM IMPLEMENTS, &C.,
205, 207, 209 & 213 N. PACA ST.,
BRANCH HOUSE, 116 & 118 LIGHT ST.,
CARRIAGES.

Baltimore, MD
<table>
<thead>
<tr>
<th>INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>Vegetable Seeds...</td>
</tr>
<tr>
<td>Farm Seeds...</td>
</tr>
<tr>
<td>Flow Pumps...</td>
</tr>
<tr>
<td>Grasses and Clover...</td>
</tr>
<tr>
<td>Potatoes...</td>
</tr>
<tr>
<td>Sisal...</td>
</tr>
<tr>
<td>Florists Supplies...</td>
</tr>
<tr>
<td>Mushroom...</td>
</tr>
<tr>
<td>Nitrogen...</td>
</tr>
<tr>
<td>Roses...</td>
</tr>
<tr>
<td>Vines and Plants...</td>
</tr>
<tr>
<td>Blackberries...</td>
</tr>
<tr>
<td>Currents...</td>
</tr>
<tr>
<td>Guava...</td>
</tr>
<tr>
<td>Raspberries...</td>
</tr>
<tr>
<td>Strawberries...</td>
</tr>
<tr>
<td>Poultry Supplies, etc...</td>
</tr>
<tr>
<td>Chickens, Hogs, Sheep...</td>
</tr>
<tr>
<td>Insect Destroyers...</td>
</tr>
</tbody>
</table>

**THE HOFF PATENT POULTRY COOP.**

**EXPERTS CONCLUDE IT THE BEST COOP THEY EVER SAW.**

**Price:** $3.50, net.

---

**THE SAFETY EGG CARRIER.**

The Only Perfect Carrier for the Transportation of Eggs. Trays are easily removed and can be turned bottom up without breaking an egg, or spilling an egg. The eggs can be taken from the cases in a moments time by simply removing the trays, showing just what the contents may be, making it easier for the seller and better for the buyer.

Every egg is wholly visible.

**Price:** $3.50, net.

| 30 doz. Carrier, Trays and Case... | $17.50 |
| 60 doz. Carrier, Trays and Case... | $35.00 |

---

**GRAFTING WAX.**

**PIONEER CLOVER MEAL.**

By all odds the best way to feeding clover.

**Price:** $3.50, net.

<table>
<thead>
<tr>
<th>10 cents 1-4 pound...</th>
<th>35 cents per pound...</th>
</tr>
</thead>
</table>

---

**THE INSIDE OF THIS CATALOGUE FROM THE PRESS OF GUGGENHEIMER, WEIL & CO.**

**Baltimore, Md.**
GRIFHTH & TURNER CO.'S
SELECTED VEGETABLE SEEDS.

PREMIUMS to every purchaser of seeds in Packets.
The purchaser may select Twenty-five Cents' worth Extra for each One Dollar sent us. Thus, any one sending us $1.00 can select seeds in packets amounting to $1.25; for $2.00, seeds in packets to the value of $2.50, and so on.

ARTICHOKES.
As a table vegetable the Artichoke deserves to be more generally cultivated. The part eaten is the flower head, which is used before it begins to open, and cooked in much the same way as asparagus.
LARGE GREEN GLOBE.—Pkt. 10c. Oz. 30c.

MAMMOTH WHITE ASPARAGUS.
A very valuable and entirely distinct variety of this highly esteemed vegetable.

It produces shoots which are white, and remain so as long as fit for use, and from 80 to 90 per cent. of the plants come true from seed. This grand result has not come by chance, but is the legitimate outcome of years of patient work and careful selection by the originator.
In addition to the marvelous advantage of its 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, or in order to furnish the white shoots so much sought after, we think it evident that it is 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. Oz. 10c. 1-4 lb. 20c. Lb. 60c., post-paid.

ASPARAGUS.
(German Spargel.)
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 4 to 5 inches high, great care should be taken to keep the bed free of weeds. One ounce of seed will fill forty feet of row. Thin to nine inches in the row.

BARR'S MAMMOTH.—A new variety, highly recommended for its many good qualities. It is very productive, and about ten days earlier than Conover's Colossal. The stalks are very large and retain their thickness entirely up to the top of the shoots; very tender and succulent; of delicious flavor: grow very quickly and are light in color.
Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c. 5 lbs. $1.50.

NEW PALMETTO ASPARAGUS.—This new 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 fifteen shoots will measure thirteen to fourteen inches in circumference. For several seasons this Asparagus has reached Northern markets ten days ahead of all other varieties, and sold at fabulous prices, even after other varieties had come in. Although of Southern origin, it is equally well adapted to North and South.
Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c. 5 lbs. $2.00.

CONOVER'S COLOSSAL.—The old and well-known variety.
Pkts. 5 and 10c. 1-4 lb. 10c. Lb. 30c. 5 lbs. $1.25.

ASPARAGUS ROOTS.
BARR'S MAMMOTH.—Per 100, 70c. Per 1000, $5.00.
PALMETTO.—Per 100, 60c. Per 1000, $3.50.
COLOSSAL.—Per 100, 60c. Per 1000, $3.50.
MAMMOTH WHITE.—Per 100, 75c. Per 1000, $5.00.

A saving of one to two years is effected by planting roots. A bed 12 by 40 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family. Seven thousand two hundred and sixty roots will plant an acre.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
BEANS

DWARF BEANS.

One quart will plant 100 feet of drill. Add 5c. per plant, 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 2 to 21/2 feet apart. Plant the seeds about two inches apart in the drills, and cover two inches deep. A succession of sowings can be made from the first week in May until August.

GREEN PODDED SORTS.

EARLIEST MARKET. This is well named, being the earliest bean in existence, and therefore very profitable to the Market Gardener, and desirable to the Private Gardener as well. The pods are long, broad, green and very showy, reaching maturity in thirty days from germination, and the habit of vine very productive.

Qt. 20c. Pk. $1.00. Bu. $2.50.

DWARF HORTICULTURAL. — A very fine green podded sort, used as a Shell Bean, and for this purpose is one of the finest in general use; long a favorite with those who use a Shell Bean in a green state.

Pt. 10c. Qt. 20c. Pk. 75c. Bu. $2.25.

BEST OF ALL. — One of the most valuable green podded sorts for family or market use. The pods are six inches long, very fleshy, succulent, stringless, and of rich flavor; they are produced early and abundantly.

Qt. 20c. Pk. 75c. Bu. $2.50.

EMPEROR WILLIAM. — An extra early white variety of good quality.

Pt. 10c. Qt. 20c. Pk. 75c. Bu. $2.50.

WHITE MARKOWFAT. —Extensively grown for sale as a dry bean for winter use; excellent shelled, either green or dry.

Qt. 20 cts. Pk. 50 cts. Bu. $2.00.

WHITE NAVY. — A well-known variety for field use; very prolific, and will produce a great deal at once; beans small, oval, white, handsome, and of superior quality.

Qt. 15c. Pk. 60c. Bu. $2.00.

WHITE KIDNEY. — Qt. 15c. Pk. 75c. Bu. $2.50.

DWARF WAX PODDED.

DWARF PROLIFIC BLACK WAX. — Yellow pod; a very superior snap short, ripening among the first earlies, and having the best characteristics. Very tender. Pk. 10c. Pk. 75c. Bu. 2.50.

DAVIS’ KIDNEY WHITE WAX. — White pod; among the second early varieties.

Qt. 20c. Pk. 75c. Bu. $2.50.

IMPROVED RUST-PROOF GOLDEN WAX. — This is the earliest, handsomest and hardiest of all the Wax Beans. The pods are straight, long and thicker than the ordinary Golden Wax, much superior in quality, absolutely rust-proof, and sure to become the favorite Wax Bean; in fact, it has already gained great popularity with growers.

Qt. 20c. Pk. 65c. Bu. $2.25.

KIDNEY WAX. — This is one of the best of the wax sorts. The vines are remarkably vigorous, hardy and productive. The pods are very large, smooth, showy, tender, perfectly stringless, and of unusually fine quality.

Qt. 20c. Pk. 65c. Bu. $2.25.

REFUGEE WAX. — An old variety that heretofore has been so impure and uneven that we did not care to offer it. We have now secured a stock which is very pure, and depends upon the very fleshy, wax-like pods, of fine quality and of a clear, waxy-white color. It is one of the earliest beans in cultivation.

Qt. 20c. Pk. 75c. Bu. $2.50.

NEW GOLDEN-EYED WAX. — This fine new wax bean is very early, it grows vigorously about one and a half feet high, holding the pods off the ground. The pods are handsome, long, straight and flat, remarkably free from rust, and keep bright and crisp long after other sorts are wilted and unsalable.

Qt. 20c. Pk. 50c. Bu. $1.75.

CURRIE’S RUST-PROOF BLACK WAX. — For earliness and freedom from rust it is at the head of the Wax Bean family. Habit, upright and robust, holding the pods well from the ground. Pods, long, straight, flat and very meaty, of a beautiful golden quality, and not surpassed, and for productiveness of fine wax-like, stringless pods, of fine quality and of a clear, waxy-white color. All the above claims we have fully substantiated in our own tests, and we recommend it to our most fastidious customers with the greatest confidence.

Qt. 20c. Pk. 80c. Bu. $3.00.

KEENEY’S RUSTLESS GOLDEN WAX (New). — A strong-growing bush variety of remarkable vigor and freedom from rust. It sends out short tendrils, on which pods are formed in addition to those near the central stalk of the plant, which accounts for its wonderful productiveness. Under unfavorable conditions, from 100 to 150 pod.

The pods are meaty and well filled; thick-flat when young, and semi-round later; of rich yellow color and fine quality; and entirely stringless throughout, even when old enough to shell.

Pt. 15c. Qt. 25c. Pk. $1.00. Bu. $3.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
BEANS—Cont’d.—

POLE OR RUNNING.

Set the poles three or four feet apart, and plant six to eight beans, with the eyes downward, around each pole, thinning to four healthy plants when they are six inches high, and treating them as the dwarf varieties, with the exception that they crave stronger soil and do best in a sheltered location.

MARYLAND WHITE.—This new White Pole Bean is destined to take its place as one of the best Beans ever grown for general purposes. Its thick, meaty green pods are large, 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 to a very limited extent for a few years, and those who have grown it once want it again.

SPECKLED HORTICULTURAL, or WREN'S EGG.—Very productive; used with or without pods.

WHITE CHERRY.—Great favorite; used with or without pods.

HORTICULTURAL LIMA.—Q,t. 25c.Pk.$1.50.

LAZY WIFE.—Large, pale green pods, very thick meated, stringless, rich, tender and buttery; ripens early; pods well to the pole; extremely productive; splendid either as a snap or shell bean; retains its exquisite flavor until nearly ripe.

CREASE-BACK or FAT HORSE.—A well-known and highly esteemed Southern variety. Very productive. Forms very full, round pods, very fleshy, entirely stringless and distinctlycreased along the back; hence its name. This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time.

DUTCH CASE KNIFE. Vines moderately vigorous, climbing well, but not as twining so tightly as some, and so may be used for a corn hill bean. Leaves large, crumpled; blossoms white; pods very long, flat, Fleshy, cream white; beans broad, kidney shaped, flat, clear white, and of excellent quality, green or dry.

SOUTHERN PROLIFIC.—A splendid, vigorous and productive variety. Pods in clusters, succulent and delicious; matures quite early and continuously, bearing until frost.

SPECKLED 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.

POLE LIMA.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

BURPEE’S BUSH LIMA.

The grower says: The bushes grow eighteen to twenty inches high, stout growth and always erect, yet branching profusely and each plant producing upwards of 150 to 200 pods. Equal in quality and tenderness to Dreer’s Pole Lima. They are early and prolific, continuing to bear until frost.

BROAD WINDSOR.

Matures in fifty days after germination. Should be planted very early.

BURPEE’S BUSH LIMA.

The Bush Lima Beans are rapidly gaining friends and have evidently come to stay.

HENDERSON’S DWARF LIMA.—These are valuable because they do not need poles, and being so dwarfs, can be planted close together. They are very early and prolific, continuing to bear until frost.

BURPEE’S BUSH LIMA.

The grower says: The bushes grow eighteen to twenty inches high, stout growth and always erect, yet branching profusely and each plant producing upwards of 150 to 200 pods. Equal in quality and tenderness to Dreer’s Pole Lima. They are early and prolific, continuing to bear until frost.

BURPEE’S BUSH LIMA.

The bush Lima Beans are rapidly gaining friends and have evidently come to stay.

HENDERSON’S DWARF LIMA.—These are valuable because they do not need poles, and being so dwarfs, can be planted close together. They are very early and prolific, continuing to bear until frost.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

POLE LIMA.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

POLE LIMA.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

POLE LIMA.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

POLE LIMA.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

POLE LIMA.

EXTRA EARLY JERSEY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

DREER’S IMPROVED, or CHALLENGER POLE LIMA.—This handsome bean has been found by many growers superior to all others in quality and productiveness. When green it is as large as the Large Lima, Uniform in size, and more tender and nutritious, remaining green in the pod for a long time after maturing.

EXTRA LARGE LIMA.—This is a splendid sort, and is much esteemed as being rich and succulent, becoming larger by year, and of delicious flavor.

LARGE WHITE LIMA. One of the best of the pole beans, either green or dry.

POLE LIMA.
**BEET.**

(One ounce of seed will sow one hundred feet of drill.)

Select a deep, rich, sandy loam, and manure with well decomposed compost or a good chemical fertilizer. Sow in drills, fourteen to sixteen inches apart, and cover one inch deep. When the young plants appear, thin to four or five 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 variety—the long varieties requiring more time to mature than the round, early kinds.

**EARLY BLOOD TURNIP BEET.**

**G. & T. CO.'S EARLY BLOOD TURNIP.—** Grown specially for us from selected roots. In shape like a turnip, deep red color, and best for general use. We have been selling this stock of Beet for a number of years, and it has given unqualified satisfaction.

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

**CROSBY'S IMPROVED EGYPTIAN BEET.**

A very superior strain of the well-known Egyptian, carefully selected for years by Mr. Josiah Crosby, a noted Eastern market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, deep blood color, and, above all, 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. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to Globe and Half Long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. Once used, it is preferred to Egyptian or Eclipse for forcing in frames or for first sowing outside. It does not become woody and tasteless, like the old Egyptian, when allowed to stand a little too long, and being a rapid grower, it may be sown outside as late as July. No market or private grower who values earliness should fail to give the Crosby's Egyptian a trial.

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

**HASSANO, or EXTRA EARLY TURNIP.—** Flesh white and rose; very sweet and tender.

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

**EARLY EGYPTIAN.—** This is a flat Beet, very early and deep red color. Owing to the small top it can be planted very close.

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

**ECLIPSE BEET.**

This new 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. We have never known a market gardener to try it but who wanted it again.

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

**EARLY MARKET BEET.**

This is one of the earliest and best varieties of Beet we have ever had. Specially suited for the market garden trade.

Packet, 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.
BEETS—Cont'd.
LARGE EGYPTIAN BEET.—One of the best for early or general crop; it is of good shape, deep red color, and does not crack open; is quite a popular sort with Baltimore gardeners.
Pkts. 5c. and 10c. 1-4 lb. 15c. Lb. 40c.

EDMONT'S RED TURNIP.—The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size, and deep blood color. It has a small top, and may be planted close.
Pkt. 5c. 0z. 10c. 1-4 lb. 15c. Lb. 40c.

LARGE LONG BLOOD.—A large and desirable late variety of deep red color.
Pkt. 5c. 0z. 10c. 1-4 lb. 15c. Lb. 40c.

BEETS FOR STOCK.
(Sow four pounds to the acre.)

MANGOLD WURZELS are grown for stock, and as they grow larger than other Beets, require more room. They should be sown from April to June, in drills two and a-half ft. apart, and the plants thinned to forty or fifteen inches in the row. The attention of Turners 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.

GOLDEN TANKARD MANGOLD.
The best type of Mangold—small top, smooth rich skin, broad shoulders, very solid shelled, green stemmed, heavy producer. It has already taken the lead of other varieties in England, and is relished by milk cows and sheep.
Pkt. 5c. 1-4 lb. 15c. Lb. 30c. 5 lbs. for $1.00.

LONG RED MANGOLD WURZEL.—The well known, large, long variety, grows well out of ground; color light red. Very productive.
Pkt. 5c. 1-4 lb. 15c. Lb. 30c. 5 lbs. for $1.00.

WHITE SUGAR BEET.—A large growing sort, and used for feeding stock.
Pkt. 5c. 1-4 lb. 15c. Lb. 30c. 4 lbs. for $1.00.

BRUSSELS SPROUTS.
German, Kopfkohl Gruner.
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. It is a delicious vegetable, especially after being exposed to the frost. Plant in rich soil, in hills two feet apart every way.
Pkt. 10c. Oz. 20c. 1-4 lb. 60c.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
SELECT EARLY JERSEY WAKEFIELD CABBAGE.

The very best early Cabbage, and 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 but few outside leaves, the plants can be set close together. We secured our Seed from a grower of the best Wakefield Cabbage in the country, and it is giving good results wherever 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. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.

LARGE EARLY YORK.—One of the earliest. Forms a medium size pointed head.

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

SUCCESSION CABBAGE.

The Succession Cabbage is one of the most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but it is immeasurably superior to that variety; it is nearly double 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 so 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 planter, 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 to 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. 15c. 1-4 lb. 40c. Lb. $1.25.

BIG CHARLESTON WAKEFIELD CABBAGE.

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. It is a perfect or private planter desiring a Cabbage of this kind should fail to plant this valuable sort.

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

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
CABBAGE—Cont'd.

KING OF EARLIES.— An excellent early sort. Heads formed like a Wakefield, but ten days earlier. Habit vigorous, short stem, and proof against sun.

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

EARLY WINNINGSTADT.—Head large, cone-shaped, and solid. And old and popular sort.

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

EARLY DWARF FLAT DUTCH.—An old standard variety which stands the sun and produces fine large heads, coming in soon after the Wakefield.

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

LARGE EARLY SUMMER.—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. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.

NEW EARLY CABBAGE.

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 same area than any other sort. One of its most striking features is its earliness. It heads so rapidly that the worms can't hurt it.

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

LOUISVILLE DRUMHEAD.—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 can recommend this sort very highly for the Southern and Middle States.

Pkt. 10c. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.

SUREHEAD.—This popular Cabbage is rightfully named Surehead, as it never fails to make a fine, large, solid head, with few cut off 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. 15c. 1-4 lb. 40c. Lb. $1.25.

GERMAN EXPORT, or DANISH BALL HEAD.—This most excellent variety of Cabbage, coming from Denmark, has grown very rapidly into favor with both market and private gardeners. It is a large, round, solid heading early variety; a very sure header, having few loose leaves, consequently can be planted very close together. Although a medium early, can also be grown for a fall and winter crop, being one of the best keepers. Very popular in the Philadelphia, New York and Boston markets.

Pkt. 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

LARGE RED DUTCH.—The head is large, round, solid and a deep red color, the best of the Red Cabbages.

Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

ALL SEASONS.—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. 15c. 1-4 lb. 40c. Lb. $1.25.

LARGE LATE AMERICAN DRUMHEAD.—One of the largest, most solid and best keeping late varieties. This variety seldom fails to head, and is of good quality.

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 35c. Lb. $1.00.

PREMIUM LARGE LATE FLAT DUTCH.

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. 35c. Lb. $1.00.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
CABBAGE—Cont'd.

BOSS FLAT DUTCH CABBAGE.

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

Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

WORLD BEATER, or AUTUMN KING.—This is a very superior late Cabbage. The large, broad heads are very thick through, slightly rounded at the top, fine grained and tender, has a short stalk, green color, and one of the best keepers we know, and is a rapid grower. Very solid beautiful dark green color, and one of the best keepers we know.

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

BoSS FLAT DUTCH.

PERFECTION DRUMHEAD SAVOY CABBAGE.

This is, without any exception, the finest stock of Savoy Cabbage to be found anywhere. The heads are large and solid, the leaves beautifully curled, and in tenderness and flavor it is almost equal to Cauliflower, while its keeping quality is first-class. To say that our market gardeners are pleased with it, is putting it mild; they are enthusiastic over it, as they find it so much superior to the old time Savoy. It is specially adapted to private use, as when grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Pkts. 5c. and 10c. Oz. 15 cts. 1-4 lb. 40c. Lb. $1.25.

THE LUPTON.—This will mature earlier than Flat Dutch, keeps well, and is a good header.

Pkts. 5 and 10c. Oz. 15c. ½ lb. 40c. Lb. $1.25.

GEORGIA COLLARDS.

Called the Cabbage Collard on account of its close bunching growth. The plant produces centre leaves generally perfectly white, though sometimes dashed with pink. It is a very delicate vegetable and of the first quality.

Pkt. 10c. 1-4 lb. 20c. Lb. 50c.

I used your Sure-Head and All-Head Cabbage Seed last year, and they proved to be as represented.

Laura Crim.

January 29, 1897.

January 2, 1897.

Your Cabbage have proved a very good satisfaction to me.

Labadieville, La.

Henry Cosbin.

Tracey's Landing, Md.

I was much pleased with your seed last year.

Mrs. E. Hall.

October 20, 1897.

I had the best Cabbage from you this year I ever grew. I send you today a head each of BOSS FLAT DUTCH and Autumn King. They weigh 12 and 17 pounds. I have plenty more like them.

S. Halbig.

Baltimore Co., Md.

Baltimore Co., Md.

The seeds I bought of you this year have been very successful in every respect. I take great pleasure in recommending them.

R. Fuller Shryock.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
CAULIFLOWER

(One ounce of seed will produce 2,000 plants.)

Many amateurs make the mistake of sowing the seed too early for late crop. It should not be sown before May, as when sown earlier they begin to head before the hot weather is over, and are a failure. Cauliflower can only be grown on rich, well tilled and well watered soil.

The most delicate and delicious of all the Cabbage family, and requiring the same culture and treatment, but being more delicate, the good culture and

richness of the soil recommended for Cabbage is absolutely necessary for the Cauliflower. For early crop, sow in hot-bed or cold frame in February or March. For late crop sow and treat like late Cabbage.

SELECT EARLY DWARF ERFRIT.—Long the standard of highest excellence, and still holding its own with a great many people.

Pkts. 25c. and 50c. 1-4 oz. 50c. Oz. $1.75.

EARLY PARIS.—An excellent sort for early or late use.

Pkt. 10c. Oz. 50c.

G. & T. Co.'s—

GILT EDGE
SNOW BALL
CAULIFLOWER.

Our 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.

Pkts. 25c. and 50c. 1-4 oz. 75c. Oz. $2.00.

CORN SALAD.

(Three ounces of seed to 100 feet of row.)

A favorite salad plant and very hardy. Sow in August or September, and protect with leaves during the winter; it can be gathered in the spring very early. Sown in April, it is soon ready for use. The leaves are sometimes boiled and served as spinach.

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

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

WATER CRESS.—Water Cress may be grown along the margin of running streams, ditches or ponds, and has a ready sale in the hotels and markets.

Pkt. 10c. Oz. 30c.

CARROT.

German, Mohre.

(One ounce of seed to 100 feet of row.)

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 in rows 14 inches apart and thin plants to five or six inches in the row. Sow from middle of April to middle of May. For late crops sow in June or July. An important point in sowing Carrots is to tread the rows firmly after sowing. For field culture Carrots should be sown in drills three to four or a-half ft. apart so as to cultivate by horse.

LONG ORANGE.—

Deep orange color, long, smooth, fine for either garden or field table. 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. 60c.

SPECIAL PRICES TO GARDENERs AND FARMERS, IN LARGE QUANTITIES.
CARROT—Cont’d.

EARLY SCARLET HORN.—Blunt-rooted, early, good. Favorite sort for early crop.
Pkts. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 60c.

OX HEART CARROT.
A new French variety, intermediate in 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.
Pkts. 5c. and 10c. 1-4 lb. 20c. Lb. 60c.

NEW CHANTENAY CARROT.—Very productive; has an extra large shoulder, is easily dug, and is in every way desirable. It is very smooth, fine in texture, and of a beautiful, rich orange color. Well worthy of a thorough trial.
Pkts. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 60c.

HALF-LONG ORANGE 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.
Pkts. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 60c.

CELENIAC, OR TURNIP ROOTED CELERY.

LARGE, SMOOTH PRAGUE.—The largest smoothest and best of the Celeriacs.
Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

NEW APPLE SHAPE.
Small foliage, large, round smooth.
Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

CELEY.

German, Seleri.

(One ounce will produce 2000 plants.)
Plant seed in hot-bed or very early in open ground. Transplant four inches apart when three inches high, in rich soil finely pulverized; water and protect until well rooted. In June or July transplant into rows three to four feet apart, either on surface or well manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from six to eight inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

IMPROVED BOSTON MARKET.—This is a decided improvement on the old Boston Market, being earlier, larger in size, and of more vigorous growth.
Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.

GIANT PASCAL.—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 a fine, nutty flavor, being entirely free from any bitter taste. It grows about two feet high; the stalks are very broad, thick and crisp; the width and thickness of these are distinctive features of this variety.
Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.
PARIS GOLDEN SELF-BLANCHING CELERY.

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 culture; it is very early and entirely self-blanching. The beautiful appearance of the plant, its close habit, compact growth, straight, vigorous stalks, solid, 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 striking appearance and delicious flavor. Our stock of this variety has been giving the market gardeners the very best results for several years.

Mr. William Jasper, Putty Hill, Md., says: "I had your Golden Self-Blanching Celery, and I had the prettiest Celery in Bel-Air Market.
Pkt. 10c. Oz. 20c. 1-4 lb. 60c. Lb. $2.00.

EARLY ARLINGTON.—This new Celery is an improved selection of the well-known Boston Market Celery, made by an Arlington market gardener. It is very early, coming in quite three weeks in advance of the Boston Market, and its superiority over that variety is in the fact that it is earlier, of larger size, and more vigorous growth, and bleaches easily and more quickly.
Pkt. 10c. Oz. 20c. 1-4 lb. 65c. Lb. $1.50.

NEW ROSE.—In England, the Pink or Red Celeries are much more largely used than the White varieties, and we wonder they are not more grown in this country. They possess many advantages over the white, being hardier, more solid, and better keepers. The New Rose is the best of all the red varieties.
Pkt. 10c. Oz. 20c. 1-4 lb. 60c. Lb. $2.00.

WHITE PLUME.

An early, handsome, self-blanching 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. 1-4 lb. 50c. Lb. $1.50.

PINK PLUME.—This is identical with the White Plume, but with the added merit of the stalks being exquisitely suffused with pink, and possessing the crispness, rich, nutty flavor and long keeping qualities for which red celeries are noted.
Pkt. 10c. Oz. 25c.

PERLE LE GRAND.

The new Perle Le Grand has a beautiful, full golden heart and rich, nutty flavor; on the market stall it is extremely showy and salable, a single plant making a good-sized bunch and surpassing all other sorts in weight. It is not only a good early celery, being among the first to use, but as a Winter Keeper, retaining its color, flavor, and shape properly, in perfect condition away into the spring.
Pkt. 10c. Oz. 20c. ¼ lb. 50c. Lb. $1.50.

GOLDEN HEART
OR GOLDEN DWARF CELERY.

This old standard variety still holds a high place in the estimation of market gardeners, and is largely used, always giving satisfaction. A showy sort, solid, of fine flavor, and a good keeper.
Pkt. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.
CORN.

FOR TABLE USE:
German, WELSCHKORN.

When Corn is wanted by mail, add 8 cents per pint to pay Postage.

MAMMOTH.

CULTURE.—Sugar Corn may be planted in rows three to four feet apart, and the seeds placed about eight inches apart in the rows, or planted in hills three to four feet apart each way, according to variety grown or richness of soil. Do not leave 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 OF ALL.—A selection from the Cory, the ears about same size as Cory, lighter in color and earlier.

Qtr. 20c. Pk. 65c. Bu. $1.75.

WHITE CORY.—An extra early variety, with good-sized ears and large kernels.

Qtr. 20c. Pk. 50c. Bu. $1.75.

EXTRA EARLY BALTIMORE.—The hardiest 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 5c. Doz. 30c. Qt. 15c. Pk. 60c. Bu. $2.00.

EXTRA EARLY ADAMS.—Ear 5c. Doz. 25c. Pk. 15c. Qt. 50c. Bu. $1.50.

ADAMS EARLY.—A favorite in the South.


EARLY BURLINGTON HYBRID.—We introduced this variety in this market five years ago, and our sales have grown each year. Not a true Sugar Corn, but a hybrid or mixture between the Sugar Corn and the Adams Early, being as early as Adams, with an ear about the size of Stowell’s Evergreen, and more productive than either. The husk, blade and ear, when green, resemble the Sugar Corn. Those who have tried it want it again.

Qtr. 15c. Pk. 65c. Bu. $1.75.

CROSBY’S EXTRA EARLY.—An early market variety, very productive, ears rather short and rich, sugary flavor.

Qtr. 15c. Pk. 60c. Bu. $2.00.

EARLY MINNESOTA SUGAR.—One of the first early among Sugar Corn.

Qtr. 20c. Pk. 65c. Bu. $3.00.

STABLER’S EARLY.—Of larger size than usual for the early kinds. It is remarkable for the fine flavor, sweetness and earliness, and is a desirable gardener’s and canning variety.

Pt. 10c. Qt. 20c. Pk. 75c. Bu. $2.35.

STOWELL’S EVERGREEN.—So well known that it scarcely needs description. Excellent; keeps green till cold weather; ears large; one of the best.

Ear 5c. Doz. 30c. Qt. 15c. Pk. 60c. Bu. $1.75.

NEW ZIGZAG EVERGREEN.—This is one of the sweetest and best late Sweet Corns, 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. Pk. 75c. Bu. $2.35.

Truckers’ 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, grows two to four ears on the stalk. The ears set low, are large and well filled, the grain long and narrow, similar to Evergreen, but smaller. It is one of the most productive varieties in cultivation.

Qtr. 20c. Pk. 90c. Bu. $3.00.

EARLY MAMMOTH.—A splendid market sort, producing four to six ears, handsome ears, grain large, white and sweet. Fills out well at the end.

Ear 5c. Doz. 30c. Qt. 15c. Pk. 65c. Bu. $1.75.

MAMMOTH SWEET.—The largest variety grown; very fine for market purposes.

Ear 5c. Doz. 50c. Qt. 15c. Pk. 65c. Bu. $1.75.

HICKOX.—A very handsome and excellent variety of Sugar Corn; large, white grain and sweet.

Ear 5c. Doz. 40c. Qt. 15c. Pk. 65c. Bu. $2.00.

EGYPTIAN, or WASHINGTON MARKET.—A very productive, resembling the Evergreen in size and color, and very productive, some stalks yielding four ears and an average crop running as high as three ears to the stalk.

Qt. 15c. Pk. 65c. Bu. $1.75.

BLACK MEXICAN SUGAR.—The black Corn is especially rich in sugary qualities.

Qtr. 20c. Pk. 75c.

90-DAY CORN—RED CORN.—This is an elegant Corn for Truckers and Market Gardeners, as it is a good seller as green Corn. Is suitable for either early or late crop.

Qt. 10c. Pk. 50c. Bu. $1.50.

SUGAR CORN.—For Fodder.

Bu. $1.25.

POP CORN.—10c. per lb. By mail, 25c.

FOR FIELD VARIETIES OF CORN SEE FARM SEED PAGE.
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.

Qt. 20c. Pk. 65. Bu. $1.75.

CUCUMBER.

German, Gurke.

(One ounce will plant 50 hills; two pounds will plant one acre.)

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 four feet apart for the smaller varieties, and five 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 slug-shot, plaster or air-slacked 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.

EVER-BEARING CUCUMBERS.

This variety is entirely new and 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 picker. 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. 10c. 1-4 lb. 20c. Lb. 50c.

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

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

LONG GREEN TURKEY. A very showy and excellent sort.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

BALTIMORE WHITE SPINE CUCUMBER.—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 the truckers around Baltimore and Norfolk, as well as the growers from Virginia to Florida.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

PEERLESS WHITE SPINE.—The truckers’ favorite early Cucumber; a great bearer; excellent for early forcing or for out-door cultivation. Exceedingly popular with growers everywhere, and its popularity shows its worth.

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

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

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

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
CUCUMBERS—Cont'd.

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. It's strong constitution is exceptional. The Cucumbers are thickly set throughout the length of the vine, and are remarkably uniform in color, shape and size; they average about 8 inches long by 2 to 2 1/2 inches through; the skin is extremely thin, but very tough, and the pearly white flesh is exquisitely fine in quality, very brittle and remains solid for a long time. The color is always ivory white. Owing to its unusual hardiness of constitution, the White Wonder can be planted earlier than most other Cucumbers, and is also a sure cropper.

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

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

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

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. 1-4 lb. 20c. Lb. 40c.

EARLY GREEN.—Early short, prolific. Quality of fruit good.

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

EARLY CLUSTER.—A short, prickly variety, bearing in clusters near the root. A great bearer.

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

GERKIN OR BURR.—Used for pickles only.

Pkt. 5c.  Oz. 15c. 1-4 lb. 35c.

ENGLISH FORCING CUCUMBER.

Should be grown in hot-beds where the temperature does not fall below 65 degrees at night.

TELEGRAPH is the best 25c. Packet.

EGG PLANT.

German, Eierpflanze.

(One ounce will produce about 1,000 plants.)

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.

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, if 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. and 25c. Oz. 30c. 1-4 lb. 75c. Lb. $2.50.

KOHL RABI.

(1 ounce 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.

Pkt. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
**KALE.**

German, Blatter-Kohl.

(One ounce of seed will sow a drill of about 200 feet.)

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, and protect during winter. It must also be sown in April or May for later use.

**DWARF GERMAN GREENS, or SPROUTS.** This variety sow in September broadcast, and gather in early spring like spinach. It may also be sown early in the spring for later use.

Pkt. 5c. 1-4 lb. 10c. Lb. 25c.

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

Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 50c.

**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 any other variety.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

**LEEK.**

German, Lauch.

(One oz. of seed to 150 feet of row.)

Select good Onion soil, manure liberally, plant in April in drills six to eight inches deep and eighteen inches apart, and thin to nine 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.** A large and strong plant; hardy; the best variety for general culture.

Pkt. 5c. Oz. 10c. 1-4 lb. 40c. Lb. $1.25.

**MUSSELBURGH.** Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

**LARGE ROUEN.** Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

**LETTUCE.**

German, Lattich.

(One ounce of seed to 150 feet of row.)

Lettuce requires a rich and rather moist soil. The rows should be about twelve inches apart, and the plants thinned to ten or twelve 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.

**EARLY CURLED SIMPSON.** Black seed. Very early; excellent for salads; forms a compact mass of leaves.

Pkts. 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 dense.

Pkt. 5c. 1-4 lb. 25c. Lb. 50c.

**PHILADELPHIA BUTTER.** Black seed. Fine for frames and out-door planting.

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

**TENNIS BALL.** Black seed. A favorite forcing variety; a very hard head.

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

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

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

**G. T. & CO.'S SUMMER LETTUCE.**

This Lettuce is becoming very popular among gardeners, and bids fair to eclipse all others 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 many other varieties will refuse even to grow.

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

**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. Being such a shy seed, the seed is more expensive than some other sorts.

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

**BIG HEAD LETTUCE.**

The "Big Head" is certain to please market gardeners and truckers, because it always produces large, salable heads. It is very solid and crisp, of tender quality, which makes it attractive.

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

SPECIAL PRICES TO GARDENERS AND FARMERS. IN LARGE QUANTITIES.
Baltimore Cabbage Lettuce.

Leads them all.
Large heads, beautiful heads.
Solid head, 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 Lettuces. 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 Garden-ville, Md., says: "I had three thousand 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 trucker in New Jersey writes: "The Baltimore Cabbage Lettuce I had of you was certainly very fine."

Pkts. 5c. and 10c. 0z. 20c. 1-4 lb. 50c. Lb. $1.50.

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 lower heads to come through.

Pkts. 5c. and 10c. 0z. 15c. 1-4 lb. 30c. Lb. $1.00.

Paris White Con.—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. It is the great favorite of the London market. Try it.

Pkts. 5c. 0z. 15c. 1-4 lb. 30c. Lb. $1.00.

Grand Rapids.—This variety originated at Grand Rapids, Mich., where it is largely grown for shipment to distant points, and is considered by many the best loose-headed Lettuce for forcing under glass. Leaves medium size, of light, yellowish green color, much crimped 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.

Pkts. 5c. 0z. 10c. 1-4 lb. 30c. Lb. $1.00.

Hanson.—A variation of the India, forming a half-closed head.

Pkts. 5c. and 10c. 0z. 15c. 1-4 lb. 30c. Lb. 90c.

Big Boston.—A new variety, of good quality, very highly recommended by those who have tried it.

Pkts. 5c. and 10c. 0z. 20c. 1-4 lb. 40c. Lb. $1.25.

Larger 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.

Pkts. 5c. and 10c. 0z. 15c. 1-4 lb. 30c. Lb. 90c.
MELON

German, Melone.

CANTELOUPH,
(One ounce of seed to 50 hills.)

Sow about the last of spring or 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 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.

Well known and very popular with market gardeners around Baltimore. It well deserves the praise it has received. Our seed is from select stock.

This favorite and delicious Canteloupe, introduced some years ago, is now a leading sort all over the country, and catalogued by all the principal Seedsmen. It is easy of good size and shape, of rich flavor, and as a shipper has no superior. In passing through the field where our seed was growing to inspect the crops, we were surprised at the uniformity in the shape and size of the fruit.

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

Extra Early Baltimore.

Not so large as the Baltimore, but earlier, and more pointed at the ends. A great favorite.

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

Early Netted Gem. Extensively grown, and many prefer it to all others for table use. Shape almost a perfect globe, and grows remarkably uniform; thick meated; flesh light green in color and of fine, luscious 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. 1-4 lb. 15c. Lb. 40c.

Improved Jenny Lind. A small, early variety of surpassing good quality, highly recommended for family garden. We consider this the most delicious Canteloupe 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. 1-4 lb. 20c. Lb. 50c.

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

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

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
SOUTHERN BEAUTY CANTLELOUPE.

THE MUSK MELON FOR THE SOUTH.

This is a new introduction of great merit and value. It is of medium size, extraordinarily pro-
life, very heavily netted, green fleshed and of de-
licious flavor.

The Grower says: "It is the finest Canteloupe I
have ever planted, particularly suited to the Sou-
thern climate. It is remarkably free from rot of all
sorts, caused by damp or rainy weather, and will
hold up a long time after they have ripened, the
outer rind remaining firm and sound for at least
ten days after the melon first ripens." Again he
says: "I shipped these Canteloupes last season
from this point to Chicago, Ill., Cleveland and Cin-
cinnati, Ohio, by freight, where they arrived in
perfect condition, and brought fancy prices." This
was proof positive of its fine keeping and shipping
qualities.

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

WATERMELON.

German, Wasser-Melone.

(One ounce of seed to 20 hills.)

Watermelons require a rich, sandy soil for best
development. Cultivate the same as for cantel-
oupes, except that the hills should be eight to ten
feet apart.

THE JONES.—This is a splendid Melon. The
color of the skin is solid green, and the flesh is a
very bright red, particularly sweet, juicy and melt-
ing. It grows to a large size, frequently attaining
the weight of eighty pounds. In shape it resembles
Kolb’s Gem, and, like that variety, is one of the
best shipping sorts.

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

RATTLESNAKE.—Large, oblong, striped and
mottled; flesh, bright red, a good shipper; a favorite
variety in the South.

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

KOLB’S GEM.—This is one of the largest, most
productive, best keeping and best shipping Melons
crown. Sells readily at the highest market price.
In fact, it is so well known that it speaks for itself.
Our stock of this comes direct from the original
grower. Special prices on large quantities.

Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 30c.

LORD BALTIMORE WATERMELON.

We wish to call special attention to this splendid
and delicious Melon. It is early, very large, of ob-
long 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 mot-
ted, 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 seller.

Pkt. 5c. Oz. 10c. 1-4 lb. 29c. Lb. 60c. 5 lbs. $2.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
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; the general appearance is that it is a dark green melon. It averages very large in size, comparatively no small melons, is very productive; it is also very early in maturing, ripe melons being plucked from the vine just 67 days from date of planting. Its chief claim for popularity is its delicious flavor. The flesh is crisp and very sweet, firm, but not 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.

McIVER'S SUGAR WATERMELON.

This new Watermelon was first brought to notice by Col. E. R. McIver, of North Carolina, the seed having come originally from the West Indies. In outward appearance it somewhat resembles the old Rattlesnake. 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 such excellent varieties as Florida Favorite and Icing. It is also an extremely productive and hardy variety, never cracking or losing its fine flavor in the wettest seasons.

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

FLORIDA FAVORITE.—This we consider the richest and sweetest flavored Melon grown, of medium size and prolific. The best of all for family garden. It is now very popular with the truckers and melon growers of Maryland and Virginia, and sells readily in the Baltimore market.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c. 5 lbs. 82.00.

DIXIE.—This new Melon came to us with the highest recommendations as to its productive and shipping qualities, and our experience with it has fully borne out all that was claimed for it. Its eating quality is equal to the best. It is earlier and larger than the well-known and popular Kolb Gem, and in color a darker green, with beautiful stripes, making it one of the handsomest Melons on the market. Flesh, deep red, sugary and melting.

Pkt. 5c. 10c. 1-4 lb. 15c. Lb. 30c.

SWEET HEART.—An entirely distinct and handsome new Watermelon. Vine vigorous and productive, ripening early. Fruit large, oval, very heavy, uniformly mottled light and dark green. Flesh bright red; solid and very sweet; is sure to become a popular variety.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

GRAY MONARCH, or LONG WHITE ICING.—This distinct Melon is, without doubt, one of the largest of all, frequently attaining a weight of seventy pounds and over. The skin is a mottled gray color; shape long; flesh bright crimson, and of sweet, delicious flavor. It is also a fine shipper, carrying well long distances, and bringing very high prices.

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

CITRON.

Fruit round, handsome and small; used in making preserves only.

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

Mushrooms can be readily grown in cellars, stable 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 greenhouse benches or stagings will suit them exactly, using materials in same manner as described.

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, as it does not heat too violently, decomposes slowly and retains its heat for a long period. Put in a heap and turn every three 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 three feet wide at the base, two and a half 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 cover 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 90 degrees. Have a ground thermometer, and keep it plunged in the bed; by pulling it out and looking at it you can ascertain exactly the temperature of the bed; should the temperature not exceed 110 or 115 degrees no alarm should be felt, for if the manure was fresh it will likely produce a good crop. Where 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 two inches square and nine inches apart each way. At the expiration of a few days the bed may be covered with soil to the depth of about two inches. If in closed cellar or mushroom house wait about 10 days, but if in open shed 5 days will do. If the soil is poor add a liberal quantity of bone meal.

Best English Spawn, 12c. per lb. 10 lbs. for $1.00. 100 lbs. for $8.00.

MUSKROOM CULTIVATION—Continued.

ONIONS.

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 five pounds of seed to the acre for large onions.

THE NEW ONION CULTURE.—Sow the seed in hotbed, and transplant as early as possible to open ground; they can be grown very successfully by this plan.

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 kill 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 towards 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 90 pounds to sow an acre.

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 sets or large onions.

Pkt. 5c. 1-4 lb. 10c. Lb. 25c.

NASTURTIUM.

Plant in May the climbing varieties to cover 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. 0z. 10c. 1-4 lb. 30c. Lb. $1.00.

DWARF.—Pkt. 5c. 0z. 15c. 1-4 lb. 35c. Lb. $1.25.

WHITE SILVER SKIN, 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 pickles.

Pkt. 5c. and 10c. 0z. 20c. 1-4 lb. 40c. Lb. $1.25.
ONIONS—Cont’d.

**ONION**

——SETS.

White, Qt. 20c.

Yellow, Qt. 15c

by mail 5c.

Write us for quotations by

the bushel.

**EXTRA EARLY RED.**—Onions of fit size for
table use may be raised from the black seed the
first season.
Pkt. 5c. and 10c. 1-4 lb. 25c. Lb. 75c.

**LARGE RED WETHERSFIELD.**—An old well-
known and favorite sort. A large yellder and good
keeper. Pkt. 5c. Oz. 10c. 1-4 lb. 25c. Lb. 75c.

**PRIZE TAKER ONION.**

(American Grown.)

This is the large, beautiful onion that is seen
every fall offered for sale at the fruit stores in Bal-
timore and other large cities. They are a rich
straw color, and 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 sow-
ing this sort early, you can raise a crop of large
onions the first season, with very little trouble. All
that is necessary is good ground, proper cultiva-
tion, and not to have them too thick. Those of our
growers who have tried them have had remarkably
fine success.
Pkt. 5c. Oz. 10c. 1-4 lb. 30c. Lb. $1.00.

**WHITE PEARL ONION.**

Earliest of all, growing with all the rapidity of a
summer radish. Pearly white, waxy and transpar-
ent. 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. 10c. 1-4 lb. 40c. Lb. $1.25.

**SOUTHPORT WHITE GLOBE.**—A large, showy
variety.
Pkt. 5c. and 10e. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

**LARGE YELLOW DUTCH, or STRASBURG.**—
Very fine, a good keeper; the kind used very largely
by those who grow onion sets for market.
Pkt. 5c. Oz. 10c. 1-4 lb. 30c. Lb. 60. 5 Lbs.

**BERMUDA ONION SEED.**

It is of a mild and delicate flavor, and keeps
longer than any foreign variety. Like the Italian
varieties, it produces 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.

Bermuda Onion Seed—Red. Pkt. 10c. Oz.
20c. 1-4 lb. 50c. Lb. $1.50.

Bermuda Onion Seed—Pure White. Pkt. 10c.
Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

**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
seed is liable to rot in cool 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 PROLIFIC.**—Of dwarf habit and an
abundant bearer; the best sort in use.
Pkt. 5c. and 10e. 1-4 lb. 15c. Lb. 40c.

**WHITE VELVET.**—It is very distinct in that
the pods are perfectly round, 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. 1-4 lb. 15c. Lb. 40c.

GROWERS WHO USE LARGE QUANTITIES OF ONION SEED OR ONION SETS,
PLEASE WRITE FOR SPECIAL PRICES.
PARSNIPS

The Parsnip will flourish best and give the longest, largest and smoothest eat 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 twelve to eighteen inches apart, and about an inch deep. Thin the plants to five or six inches apart.

Hollow Crown, or Sugar.

The Hollow Crown is superior in quality to all 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. 1-4 lb. 15c. Lb. 40c.

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. As the seed is usually from fifteen to twenty-five days in vegetating, it will be necessary to sow early. Thin plants to four inches apart when two 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.

TRIPLE CURLER.—The most beautiful and valuable variety in use. Of a handsome, bright green color, finely crimped and beautifully curled.

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

MOSS CURLER.—A very select crimped variety.

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

PEPPER.

Capsicum, or Pepper, is cultivated mainly for Pickles. It is used as a seasoning in many ways, and sometimes medicinally. Sow the seed early in a hotbed, if possible; if not, select a warm place in the garden for the seed bed, and sow as soon as the soil is warm. Transplant when three or four inches high, in rows 18 inches apart.

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

Pkt. 5c. and 10c. Oz. 20c. 1-4 lb. 65c.

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

Pkt. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

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

Pkt. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. $1.50.

RUBY KING.—An excellent sort of large size and mild flavor.

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

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

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

RED CHERRY.—Pkt. 5c. and 10c. Oz. 20c.

RED CHILL.—Pkt. 5c. and 10c. Oz. 20c.

PUMPKIN.

Plant in May, in hills eight feet apart. Allot ten seeds to each hill, as bugs often destroy the young plants, but only allow two or three healthy plants to remain in each hill. They are usually planted in fields with corn or potatoes.

MARYLAND SWEET POTATO.

This is the best table Pumpkin in cultivation; in shape and size it somewhat resembles the Cashaw, 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, flavorful delicious.

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

TENNESSEE SWEET POTATO.—A splendid pie and cooking pumpkin. They grow pear-shaped to medium size, slightly ribbed; skin is a creamy white, lightly 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. The vines are hardy and enormously productive.

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

LARGE CHEESE.—Skin reddish orange, flesh thick, fine and sweet.

Pkt. 2c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.

CASHAW, OR CROOKNECK.—Solid flesh, fine and sweet; keeps well.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

CONNECTICUT FIELD.—Very productive and grown for feeding stock. It is so well known that it need not be described.

Pkt. 10c. Qt. 15c. Lb. 20c. 5 lbs. 75c. Pkvd. 75c.
We offer only the best Northern grown Seed Potatoes on this page, and at moderate prices, considering the quality of the stock we offer; if wanted in large quantities write for quotations.

**POTATOES.**

German, Kartoffel.

The soil best suited to the Potato is a rich, sandy-loam, but it seems to thrive in almost any soil or climate. The potato being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers. No other crop are the results from the use of phosphates so manifest as on the potato; almost invariably the tubers are smoother, brighter and faser from rust and the destructive influence of wire worms. Griffith & Turner Co.'s Plant Food is especially adapted for Potatoes. The best fertilizers are plaster, lime, super-phosphate of lime and bone dust and heavy and well soils, especially, as they promote growth and at the same time prevent disease. Plant as early in the spring as the ground can be thoroughly worked. In rows 3 to 4 feet apart, keep some foot in the rows; covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut potatoes, in a light, warm room, from four to six weeks before planting, then lift carefully and plant out; by this process shoots are obtained that, as soon as planted out in the open ground, will send out shoots, and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking.

**G., T. & CO.'S EXTRA EARLY PRIZE.—**

This new Potato which we tried last year is in all respects an 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.  

Pk. 60c. Bu. $1.75. Bbl. $4.50.

**EARLY NORTHER.—** This superb Potato originated at Caribou, 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 50 per cent. more than the Rose, matured earlier, and was in all respects superior.  

Pk. 60c. Bu. $1.75. Bbl. $4.25.

**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. Tubers are of medium size, round and uniform in shape, with but a very few small ones; eyes slightly depressed; color a beautiful light red. Its great beauty, productiveness and fine quality make it one of the best market varieties.  

Pk. 60c. Bu. $1.75. Bbl. $4.50.

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

Pk. 60c. Bu. $1.75. Bbl. $4.00.

**MAINE or Houlton EARY ROSE.—** The Early Rose led the list for over 30 years, and is today one of the best early market potatoes. Our stock of these is grown on new land, near Houlton, Me., 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 confounded with the old run-out Rose, grown in other sections.  

Pk. 60c. Bu. $1.75. Bbl. $4.25.

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

At Market Prices.

**NEW QUEEN.—** A grand potato of recent introduction, closely resembling Beauty of Hebron in appearance, color, size and shape, but is seven to ten days earlier, and a heavy yielder. Our seed of this variety comes from Maine, where it originated, and is pure and true to name.  

Pk. 60c. Bu. $1.35. Bbl. $4.00.

**THE FREEMAN POTATO.—** This new extra early variety was introduced four years since the claim of being the greatest potato introduced since the Early Rose. It has made a wonderful record, giving enormous yields in all sections where grown. It is of handsome shape, with beautiful russet skin, and is fully equal to the old Snowflake in eating qualities. It will pay every market gardener to plant the Freeman. Our crop is grown from select stock, and will be found pure and genuine.  

Pk. 60c. Bu. $1.75. Bbl. $4.50.

**MAINE BURBANK.—** This is an old and reliable variety, and is A No. 1 for a late, large-yielding, good-keeping potato, and for table use, after January lst, is one of the best.  

At Market Prices.

**NEW YORK BURBANK.—** At Market Prices.

**SWEET POTATOES.**

Choice Jersey Sweets at market prices during season. Write us for quotations.

**PRICES OF POTATOES SUBJECT TO CHANGE WITHOUT NOTICE.**
PEAS.

NOTICE.—In ordering Peas to be sent by mail, please add 8 cts. to pay postage.

The dwarf varieties should be liberally manured; the tall sorts will run too much to the upper parts if heavily manured, it being better to depend on the richness of the land that was previously in good condition. Plant the dwarf in rows two feet apart, those varieties attaining the height of from two to three feet in rows three feet apart, and the rows of the tallest sort four feet apart. Bush the tall kind when six inches high, or poles set every six or eight feet, with twine fastened to them about four inches apart, answer finely.

EXTRA EARLY DWARF.

(These varieties require no sticking.)

AMERICAN WONDER.—Very luscious 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.

Pt. 75c. Qt. 25c. Pk. 75c. Bu. $2.50.

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

Qt. 20c. Pk. 30c. Bu. $3.25.

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.

Pt. 10c. Qt. 20c. Pk. $1.00. Bu. $2.50.

Extra Early Medium Height.

RURAL NEW YORKER.—Height, 21-2 feet. In maturity it is among the first early.

Qt. 20c. Pk. 50c. Bu. $1.75.

FIRST AND BEST.—Height, 21-2 feet. Grown with special care; one of the early varieties.

Qt. 20c. Pk. 50c. Bu. $1.75.

ALASKA.—Our bestrogued and hand picked stock. Height, 26 inches. The earliest Blue Pea; very uniform in growth and time of ripening; the dark green color of pods make this a most desirable sort for canners and shippers, as it can be carried long distances without losing color.

Qt. 20c. Pk. 75c. Bu. $2.00.

ALASKA.—Such stock as is usually sold.

Pk. 50c. Bu. $1.75.

FIRST EARLY PEAS.

(In sealed bags, thoroughly rogued 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 productiveness. It ripens up so evenly as only 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.

Pt. 15c. Qt. 25c. Pk. 75c. Bu. $2.50.

DEXTER (Genuine Stock).—Thoroughly rogued and hand picked.

Qt. 20c. Pk. 75c. Bu. $2.00.

TRIUMPH.—Qt. 20c. Pk. 50c. Bu. $1.75.

Second Early and Late Varieties.

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; 11-2 feet.

Pt. 15c. Qt. 25c. Pk. $1.15. Bu. $4.50.

YORKSHIRE HERO.—Height, 2-2 feet. A wrinkled variety, productive, and of a very superior flavor.

Qt. 20c. Pk. 75c. Bu. $2.50.

ADVANCE.—Height, 21-2 feet. A green wrinkled variety, introduced some years ago, and has always given satisfaction.

Qt. 20c. Pk. 65c. Bu. $2.00.

ABUNDANCE.—Height, 30 to 36 inches. An excellent half dwarf, medium early, wrinkled variety, pods 3-2 inches long, containing 6 to 8 large Peas of excellent quality.

Qt. 20c. Pk. 65c. Bu. $2.00.

HEROINE.—A medium early green wrinkled Pea, and one of the best of recent introduction: large, recurved, showy pods; an immense cropper; Peas of finest quality; height, 5 to 21-2 feet.

Pt. 10c. Qt. 20c. Pk. 85c. Bu. $3.00.

SHROPSHIRE HERO.—A grand new second early wrinkled Pea, producing long, handsome, well-filled pods in great abundance; height, 21-2 feet.

Pt. 10c. Qt. 20c. Pk. 75c. Bu. $2.75.
Nott's Excelsior.

Nott's Excelsior is the best dwarf wrinkled extra early of recent introduction. The vines are larger and more vigorous than the American Wonder, while the pods are from one-third to one-half the size of the latter. The pods are always well filled with peas, which, in sweetness and quality, have no superior.

Pt. 15c. Qt. 25c. Pk. 90c. Bu. $3.35.

EVERBearing.—Vines about two feet high, of a branching character, forming as many as ten stalks from a single root stalk. Peas large and of fine quality.

Qt. 20c. Pk. 75c. Bu. $2.50.

IMPROVED STRATAGEM.—Height, 21 feet. A large wrinkled Blue Pea of excellent quality; very long, large filled pods. More regular in its growth than the ordinary Stratagem, and every way superior.

Qt. 20c. Pk. $1.00. Bu. $3.50.

HORSFORD’s MARKET GARDEN.—Height, 21-2 feet. A medium early wrinkled variety, highly recommended.

Qt. 20c. Pk. 70c. Bu. $2.25.

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.

Pt. 10c. Qt. 20c. Pk. 90c. Bu. $3.00.

FRENCH CANNER.—Height, 31-2 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.

Qt. 20c. Pk. 50c. Bu. $1.50.

THE ADMIRAL.—A very desirable new variety, medium early and very productive, and of good flavor.

Qt. 20c. Pk. 65c. Bu. $2.00.

CHAMPION OF ENGLAND.—Height, 4 feet. An old favorite, rich flavored and very productive.

Qt. 20c. Pk. 75c. Bu. $2.75.


Qt. 20c. Pk. 75c. Bu. $2.50.

TELEPHONE.—Height, 3 to 4 feet. Large wrinkled seeds; pods large and well filled.

Qt. 20c. Pk. 75c. Bu. $2.75.

TELEGRAPH.—Resembles the Telephone in every respect, except they are a deeper shade of green. Pods are very attractive in appearance.

Qt. 20c. Pk. $1.00. Bu. $3.25.

GRIFFITH’s CANNING.—This new Pea, which we introduced last year, is unsurpassed for canning purposes. It is medium early, with a vigorous vine, bearing a great profusion of pods closely packed with Peas of excellent flavor. The small size and fine flavor of the Pea, in addition to its great productivity, makes it specially desirable for canners. One canner took two bushels on trial last year, and has ordered fifty bushel for this season; height, 3-1/2 feet.

Qt. 20c. Pk. 90c. Bu. $3.00.

DWARF WHITE MARRAWFAT.—Best stock. Height, 31-2 to 4 feet. Standard market variety.

Pt. 10c. Qt. 15c. Pk. 50c. Bu. $1.10.

IMPROVED SUGAR MARROWS.—Height, 31-2 feet. Grows a strong vine, bears in abundance large, filled pods. The Truckers’ favorite.

Qt. 20c. Pk. 50c. Bu. $1.75.

MELTING SUGAR.—Edible Pods.—This new 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 five feet, bears a profusion of very large, broad, handsome, light green (nearly white) pods, which are generally found in pairs, and are so brittle that they snap without any strings. Sweet and tender, and is cooked like wax beans.

Pt. 15c. Qt. 25c. Pk. $1.25.

TALL GREY SUGAR.—Edible pods; cooked in the pods same as Snap Beans.

Pt. 15c. Qt. 25c. Pk. $1.50.

DWARF GREY SUGAR.—Edible pods.

Pt. 15c. Qt. 25c.

FIELD PEAS.

Market Prices.—Write for Quotations.

SOUTHERN BLACK-EYE COW PEAS.—BLACK COW PEAS.—CANADA FIELD PEAS.

RHUBARB, OR 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. 1-1/2 lb. 45c. Lb. $1.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
RADISH

For an early supply sow in hotbed, in February. For a successive supply sow from middle of March to September. Radishes thrive best in a light, rich, sandy loam. The Radish must make a rapid growth to be fit for use; it will then be crisp and tender and of a mild flavor. If it grows slowly, it will be hard, fibrous and disagreeably pungent.

**WHITE VIENNA, or LADY-FINGER RADISH.**—This is unquestionably the finest long white Radish. Of most handsome shape; in color is a beautiful snow white. It is of very rapid growth, and remarkably crisp, brittle and tender, equally desirable for the market or home garden.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**LONG SCARLET RADISH (American 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 Imported Long Scarlet, as generally sold.

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

**EARLIEST SCARLET, or PRUSSIAN GLOBE RADISH.**—This is the very best forcing variety, is sown largely by market gardeners and truckers, and they are delighted with it. It is of globular shape and brilliant beautiful crimson color, short top and will stand a large amount of heat without becoming pithy.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**EARLIEST RED TURNIP.**—Turnip shaped, skin red; for forcing.

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

**FRENCH BREAKFAST.**—Of oval form, color scarlet; white tipped.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**WHITE OLIVE.**—Quite salable in market.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**SCARLET OLIVE-SHAPED.**—A showy, half-long variety of pretty shape, and bunches beautifully.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**CHARTIER.**—A good variety for private or market garden purposes; stands long before going to seed, and is tender and crisp.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**WHITE STRASBURG.**—This is becoming one of the most popular summer sorts. It is a handsome tapering shape, pure white, very tender.

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

**GIANT STUTTGART.**—A splendid new variety of excellent quality; withstands summer heat.

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

**LARGE WHITE SUMMER.**—This is the most popular white Radish for summer use, with the gardeners around Baltimore, because of its handsome appearance and ready sale and its well-known quality of being slow to run to seed.

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

**GOLDEN GLOBE.**—The best summer Radish. Slow to run to seed, shape globular, bright yellow color, and mild flavor.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**ROUND BLACK SPANISH.**—An excellent globe-shaped Radish, very popular with the Germans, known as Rettig; good quality.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**LONG BLACK SPANISH.**—A large winter variety; one of the hardest, with dark green leaves, firm in texture; keeping until spring.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**LARGE WHITE SPANISH.**—Fine keeping quality.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

**CHINESE ROSE WINTER.**—Remarkably fine for winter use. The best of the winter sorts.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.
SAVOY SPINACH.

This is grown specially for us, and is without exception, the best type of Savoy Spinach in existence. It is beautifully curled and wrinkled, the leaves large, thick and heavy, produced in great numbers, and stands handling and transportation better than any other sort; in fact, we hardly think we could say too much about this valuable acquisition to the spinach family. Sold only in sealed bags.

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

SPINACH.

This is a very 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.

VICTORIA SPINACH.—This new Spinach comes to us with the highest recommendations from the growers. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance, and of the finest quality.

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

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 slow to seed. The leaves are large, round, unusually thick, curled and of a fine dark green color.

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

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

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

SALSIFY, or VEGETABLE OYSTER.

Sow in early spring on light, rich soil in drills fourteen inches apart, and thin the plants to six inches in the row. The roots will be ready for use in October, and will sustain no injury by being left in the ground during the winter. When cooked, the flavor somewhat resembles the oyster, and is a good substitute for it.

LARGE WHITE.—The old, well known variety.

Pkt. 5c. and 10c. 1-4 lb. 25c. Lb. 75c.

SANDWICH ISLAND MAMMOTH.—This new salisfy grows fully twice the size of the old sort, and is superior in quality. Invaluable to market gardeners.

Pkt. 5c. and 10c. Oz. 15c. 1-4 lb. 30c. Lb. 90c.

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 SCALLOPED.—A desirable and marketable sort. Best known and most productive of all the summer sorts.

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

SUMMER CROOK NECK, EARLY.—Fine flavor; a desirable table sort.

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

WINTER CROOK NECK,—Flesh red, fine flavor; largely grown for winter use.

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

BOSTON MARROW.—For autumn use. Fine for pies or baking.

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

HUBBARD.—Fine and desirable for winter use.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

SIBLEY, or PIKE'S PEAK.—Shell is pale green in color, very thin and smooth, flesh solid and thick, brilliant orange color, and of rich, delicate flavor.

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

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
BEWARE OF CHEAP TOMATO SEEDS, saved in canning houses, as it is sure to be a mixture of different sorts. We take special care in growing our Tomatoes, and we can assure you that our seed is the best. We have the seed stocks selected carefully each year, and the crops are inspected by us during the period of growth and maturity of fruit, and we are thus prepared to offer our customers seed of the first quality.

For early fruit sow the seed in March or April, in the hot-bed 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 for a few inches apart, in a hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about 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 or flower-pot, and placing in a sunny window in the house. Cultivate thoroughly as long as the vines will permit.

Tomatoes will admit of training to stakes or trellis 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 plants up with wool or other soft string, or ties, 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.

ACME.—Of superlative merit, early, medium size, shape slightly oval, smooth and of a pink-purplish color.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

BEAUTY.—For early market and shipping this cannot be excelled. Tomatoes are 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 desirable of all gardeners.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

FAVORITE.—This is a large, perfect shaped Tomato. One of the best for either canning or market purposes.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

PRIZETAKER.—A very desirable early sort, large, of handsome shape, and deep crimson color with a light tinge of purple.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

PRIZEWINNER TOMATO.  
In this new sort we have the Prince of market Tomatoes. In color somewhat resembling the Beauty, but much larger, very solid, ripens earlier than the World’s Fair, and with us was one of the best keepers we have seen; as an early Tomato it is first-class, selling for the highest market price, and a remarkably full bearer; it is also well adapted for a late crop. It is smooth and uniform in shape, and in quality it cannot be surpassed. It is remarkably free from acidity and cuts as solid as meat.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

ATLANTIC PRIZE.—An excellent extra early red Tomato, and while it does not run as regularly smooth as the Paragon, it ripens very evenly.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 50c.  Lb.  $1.50.

DWARF CHAMPION.—Entirely distinct from any other variety; plant grows stiff and upright, so that it may be planted closer than other varieties, very desirable for a small garden, as it requires so little room; bears throughout the entire season. The fruit resembles the Acme, and is smooth and attractive in appearance.  
Pkts. 5c. and 10c. OZ. 25c. 1-4 lb. 50c.  Lb.  $1.75.

PONDEROSA.—A remarkably large and heavy-fruited Tomato, deep red in color; flesh very thick, solid, and of excellent quality.  
Pkts. 10c. OZ. 35c. 1-4 lb.  $1.00.

IMPERIAL.—This new variety is highly recommended by leading growers. The originator claims it to be much earlier than any other; a beautiful, symmetrical and meaty Tomato.  
Pkts. 10c. OZ. 25c. 1-4 lb. 65c.  Lb.  $2.00.

PARAGON.—Here we have a variety—the perfection of a Tomato—large, solid, smooth, as an apple, and handsome, deep red color. It is superb. No praise can be too high. Extensively used by canners all over the country.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

ROYAL RED.—A new Tomato, much resembling the Favorite in form and color. A good main crop variety.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c.  Lb.  $1.25.

B. B. TOMATO.  
We have secured Headquarters’ stock of this excellent and popular new variety; it is one of the leading sorts for second early and late use; the fruit is large, handsome, and a splendid keeper.  
Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 50c.  Lb.  $1.50.
GRIFFITH & TURNER CO.'S

WORLD'S FAIR TOMATO

"This new Tomato which we introduced a few years ago, is constantly gaining friends wherever known, and deserves so, because of its many good qualities. Our sales of seed of this sort have increased each year far beyond our expectation. It is without exception one of the best for Canners. Market Gardeners or private use, because of its solidity, symmetrical shape, handsome bright red color, uniformity of ripening and freedom from rot. Its shipping and keeping qualities are unexcelled. The gentleman who superintends the growing of this seed for us says: "I desire to call especial attention to this stock; it is particularly solid and of fine flavor, the fruit is good size, smooth and certainly attractive. I venture to say, without fear of contradiction, that your Tomato would bear off the palm for quality and flavor in the hands of impartial judges. Parties around here who saw some of the fruit said they had never seen any better Tomato." We could get any number of testimonials to bear us out in all we say about this excellent Tomato.

Pkts. 5c. and 10c. OZ. 20c. 1-4 lb. 40c. Lb. $1.25.

NOTICE.—Because of the well-known superior quality of this splendid Tomato, and the increasing demand for the seed, other parties are catdouguing a Tomato under the same name. In order to protect those who want the pure article WE GIVE NOTICE that we shall only sell the "WORLD'S FAIR TOMATO" in sealed packages.

QUEEN.—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 solid and weighty as our World's Fair.

Pkt. 5c. and 10c. OZ. 20c. 1-4 lb. 60c.

GOLDEN QUEEN, or SUNRISE.—
Pkt. 5c. and 10c. OZ. 20c. 1-4 lb. 60c.

PEAR-SHAPED YELLOW.—Used for preserves and pickles.
Pkt. 5c. and 10c. OZ. 20c. 1-4 lb. 60c.

PEAR-SHAPED RED.—
Pkt. 5c. and 10c. OZ. 20c. 1-4 lb. 60c.

NEW STONE.—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 fleshed (as its name indicates); is an excellent shipper; fine for canning; a good keeper; not subject to rot.
Pkt. 5c. and 10c. OZ. 20c. 1-4 lb. 40c. Lb. $1.25.

ARISTOCRAT.—This new variety resembles the Dwarf Champion in habit and growth, is of good size, solid, smooth, of fine flavor, and a handsome color.
Pkt. 5c. and 10c. OZ. 25c. 1-4 lb. 75c.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
TURNIP

For early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart, the Rutabagas thirty 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 first of July, using from one to one and a half pounds of seed to the acre.

EXTRA EARLY PURPLE TOP MILAN. — The earliest and handsomest Flat Turnip in cultivation; none equal to it for spring sowing.

Pkt. 5c. 1-4 lb. 20c. Lb. 60c.

WHITE FLAT (Strap Leaf).—Differs from Red Top only in color.

Pkt. 5c. 1-4 lb. 10c. Lb. 25c.

EARLY WHITE EGG.—A new variety of rapid growth; egg-shaped and white, as its name indicates.

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

SEVEN TOP.—For greens and salads. Used largely in the Southern States.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

LARGE EARLY RED TOP GLOBE.—A variety of recent introduction; of large size, rapid growth, unusually attractive; approved and admired by all who have seen it. A very much heavier producer than either of the preceding and quite as early as the Flat Red Top. Very few market gardeners will have any other kind.

Pkt. 5c. 1-4 lb. 10c. Lb. 25c.

YELLOW ABERDEEN, or SCOTCH YELLOW.—This is a highly approved CATTLE TURNIP, attaining a large size. It is solid, nutritious, a good keeper and in every respect reliable.

Pkt. 5c. 1-4 lb. 10c. Lb. 25c.

LARGE AMBER, or YELLOW GLOBE.—Grows to a large size; flesh yellow, firm and fine-grained. Excellent for either table use of feeding stock.

Pkt. 5c. 1-4 lb. 10c. Lb. 25c.

Rutabaga, or Swede 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 hardest, most productive and most nutritious variety in cultivation.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

YELLOW RUTABAGA.—1-4 lb. 10c. L. 25c.

If Turnip is wanted by mail, add 10c. per lb. for postage.
SWEET AND POT HERBS.

A little collection of Sweet Herbs is a treasure to the cook and nurse. A small place in the garden will give the herbs needed in any family, and care should be taken to harvest them properly. This should be done on a dry day, just before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance apart.

BASIL.—Pkts. 5c. and 10c. Oz. 20c.
CARAWAY.—Pkt. 5c. Oz. 15c.

VEGETABLE ROOTS AND PLANTS.

ARTICHOCKES, JERUSALEM.—25c. qt. $1.00 pk. By mail, 30c. per lb. ASPARAGUS ROOTS.—See page 2.
HORSE RADISH ROOTS.—20c. doz. 75c. per 100. $6.00 per 1,000.

FARM SEEDS.

SEED CORN.

IMPROVED MARYLAND YELLOW DENT.—Our Maryland Dent Corn has taken first premium over all other Field Corn wherever exhibited. The grains are unusually deep, ears large, stalks grow from seven to ten feet high, does not exhaust soil so much, and will stand drought better than a large stalk, and will yield five to ten bushels per acre more than any other Corn generally planted.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.
MARYLAND WHITE.—The most productive and showy White Corn; makes splendid meal.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.
CHESTNUT GROVE YELLOW CORN.—This Corn was grown on Chestnut Grove Farm, Baltimore County, and the average yield from the whole crop was 18 1-2 bushels per acre. The ears are large, deep, medium size grain, and of beautiful color.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.
CHESTNUT GROVE WHITE CORN.—Like the yellow, this is a most excellent variety.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.
EARLY LEAVER.—An early selected variety of Yellow Corn, small weighty and productive. Highly esteemed in Maryland and Pennsylvania. One of the earliest varieties of Yellow Corn in cultivation.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.

GOLDEN BEAUTY.—A large, broad-grained Yellow Corn with ears of perfect shape and very small cob. The richness of color and the quality of the grain make it a very superior variety.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.

THE 100-DAY BRISTOL.—The largest eared, earliest Yellow Dent Corn in cultivation. Since its introduction this Corn has grown in popularity each season, and is now planted largely, both in the Northern and Southern States. The grain is a light golden yellow, large and broad; the cob is small considering the size of the ear. The ears grow an average of about a foot in length, and the growth of Fodder is immense.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.

BLUNT'S PROLIFIC.—Remarkably prolific, producing from three to five good-sized ears on a stalk and growing very large fodder; is frequently used for ensilage.
Qt. 10c. Pk. 40c. Bu. $1.25. 5 bu. $5.00.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

CHERVIL.—Pkt. 5c. Oz. 25c.
CORIANDER.—Pkts. 5c. and 10c. Oz. 15c.
DILL.—Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 70c.
LAVENDER.—Pkt. 5c. Oz. 20c.
MARJORAM.—Pkt. 5c. Oz. 20c. 1-4 lb. 50c.
SAGE—American.—Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 60c. Lb. $2.00.
SUMMER SAVORY.—Pkts. 5c. and 10c. Oz. 15c.

RYUE.—Broad-leaved English. Pkts. 5c. and 10c. Oz. 25c. 1-4 lb. 75c.

RHUBARB ROOTS.—Each, 15c. Doz. $1.25.
CABBAGE, CELERY, TOMATO, PEPPER AND EGG PLANTS.—Fixed prices given on application and full remittance required. We will not ship plants C. O. D. Shipments at purchasers' risk.

HICKORY KING.—The largest grained and smallest cobbled pure White Dent Corn in cultivation; ripens medium early; well adapted to planting on thin ground.
Qt. 10c. Pk. 40c. Bu. $1.25.
POP CORN.—The best kind for popping.
Lb. 10c. 4 lbs. 25c. By mail, 20c. per lb.

BROOM CORN.

IMPROVED EVERGREEN.—This is the favorite sort; has a fine brush, yields well, and keeps green. Height, 8 to 9 feet.
Qt. 20c. Pk. 75c. Bu. $2.50.

WHEAT AND RYE.

Write us August 1st for special prices on Seed Wheat and Rye for Fall Sowing.

RUSSIAN SUN FLOWER.

Growing to double the size of the common Sunflower, and the yield of seed is TWICE AS GREAT. It is highly recommended for poultry—the best egg-producing food known. The seeds are splendly reddish, much relished by all kinds of stock. The seed is good feed for horses, and yields a fine quality of oil.
Lb. 8c. 5 lbs. 25c. $4.00 per 100 lbs.
FARM SEEDS.
(Continued.)

COW PEAS.
The Great Soil Enricher.
Makes Poor Land Rich,
Makes Good Land Better.

Prices on Application.

There is no surer or cheaper means of improving poor soil than by sowing Cow Peas. Nitrogen or ammonia in commercial fertilizers is valued at fifteen cents per pound. The Cow Pea, to a greater extent than any other leguminous crop, has the power to extract this costly nitrogen from the atmosphere.

Black Cow Pea.—This is quicker to mature than the Black Eye Pea, and is best adapted for late planting or for growing in districts further North than Virginia. It is a splendid land improver and most valuable as a forage crop, making an enormous yield of rich, nutritious feed. Sow in May or June at the rate of one and a half bushels per acre.

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

CANADA FIELD PEAS.
These are a most popular and satisfactory forage and hay crop. Sown in February, March or April, with a small quantity of oats, they make a large yield of forage, greatly relished by all kinds of stock. Cures easily, making a splendid hay. Sow one to one and a half bushels per acre broadcast with half bushel of oats. Cut for hay before the Peas mature. Per peck, 40 cents; bushel, about $1.25. Write for special prices if a quantity is required.

DWARF ESSEX RAPE.

DWARF ESSEX RAPE is considered indispensable by the sheep and cattle farmers of Great Britain, and is fast coming into use in this country on account of its rapid growth, being ready to feed in ten weeks from sowing, and yielding twenty-five to thirty tons of green forage to the acre. It grows to a height of three feet and covers the surface so densely as to smother out all weeds and to kill quack and other objectionable grasses. It can be sown all through the season, is being perfectly hardy, withstands drought, and will produce a crop in any soil by sowing broadcast at the rate of five pounds to the acre, or in drills or rows two feet apart at the rate of three pounds per acre. While unequalled as a pasture for sheep, it is a fattening food for all kinds of live stock, it is without a rival in point of cheapness or effectivenes. Pound, by mail, 20 cents; by express or freight, 5 pounds, 50 cents; 50 pounds and over, 3 cents per pound. If wanted by mail, add 8 cents per pound for postage.

KAFFIR CORN.
(RED WHITE.)

One of the best things offered of late years for a forage plant. The heads contain small white seeds which make an excellent food. They are freely eaten by horses and cattle, and make excellent food for poultry, either fed in the grain or ground and cooked. Use four to five pounds to acre. Pound, 10 cents; 10 pounds, 75 cents; 100 pounds, $5.00.

OATS.
(Thirty-two pounds to the bushel.)

CLYDESDALE.—A very early and productive variety of extraordinary weight.
Per bushel, (32 lbs.) $1.00.

WHITE RUSSIAN.—Per bushel, 90 cents.

WELCOME.—An excellent variety, very productive and heavy.
Per bushel, (32 lbs.) 80 cents.

CHOICE BLACK OATS.
Per bushel, (32 lbs.) 75 cents.

GOOD SEED OATS.—At market prices.

WINTER OATS.

These are quite distinct from Spring Oats, and are now being quite largely grown in Southern Pennsylvania, New Jersey, Delaware, Maryland and Virginia. They are sown in the fall.
At Market Prices.

SEED BUCKWHEAT.

JAPANESE.—The plants are large and vigorous, maturing their seed early, and resisting drought and blight remarkably well, while the grain is much larger and at the same time has a thinner hull than the common or the Silver Hull. Owing to its branching character, only one-half the seed is required per acre, while the straw is much stiffer and stands up better. We recommend this especially for well-drained or sandy land, and the dry climate of the Western plains.
At Market Prices.

SILVER HULL.—This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent, and the grain of a beautiful light gray color.
At Market Prices.

FLAX SEED.
1 lb. 10 cts. 6 lbs. 25 cts. Bu. $2.00.

FLAX-SEED MEAL.—For horses and cattle.
10 cts. per lb. 6 lbs. 25 cts. In quantities at market prices.

EARLY AMBER SUGAR CANE.
The saccharine matter of this early and productive variety is of the first quality, and produces a fine sugar or syrup. It grows ten or twelve feet high, and yields large crops of fodder, which is relished by all kinds of stock. It will produce two cuttings during the summer. Culture same as corn. Sow three or four quarts per acre.

Pound, by mail, 20 cents; peck, 1.00 cents; bushel, of 56 pounds, $2.50.

NEW BEARDLESS SPRING BARLEY.
The earliest barley known; if sown about the 20th of March, will ripen about the 20th of June. The straw is about the height of the common barley, but better, and will stand up on any land. Sow as early as you can; frost does not hurt it. Being beardless, it handles as easy as oats, and makes a stronger feed.

Price (postpaid)—1 lb. 20 cts. 3 lbs. 50 cts. By Express or Freight—Peck, 40 cts. Bu. $1.35.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
Grasses and Clover.

KENTUCKY BLUE GRASS.—(Fancy, triple-cleaned.) It is rather sensitive to heat, but not so to cold weather, and on this account does its best in the fall, winter, and spring. It grows slowly at first, forms a very compact turf, making a fine pasturage when once established. It is much the best, however, to combine other grasses with it for either lawn or pasturage. Sow in the spring or fall.

**Bushel (14 lbs.), $1.75.**
**10 bushel lots, $1.60 per bushel.**

**NOTICE.**—Beware of cheap Canada Blue Grass, as it is full of Thistle.

HERD, or RED TOP GRASS (Agrostis vulgaris).—A valuable native permanent grass, as a mixture in meadows, pastures or lawns, growing in almost any soil, moist or dry, and standing our hot climate. 10 lbs. to the bushel; 21-2 bushels to the acre.

As usually sold per bushel, 75c.

Choice Extra Heavy Seed, per bushel, $1.00.

CREEPING BENT GRASS (Agrostis Stolonifera).—Succeeds in nearly any situation, and is good for lawns. About 20 lbs. to the bushel; 21-2 bushels to the acre.

Per lb. 35c., postpaid. Per bu. $3.75.

ENGLISH RYE GRASS.—A nutritious permanent grass for meadows and pastures.

Qt. 20c. Bushel, $1.00 per bu.

**ORCHARD GRASS**—(Dactylis Glomerata).—One of the most desirable grasses for pastures, growing under orchards or in shady places. It grows rapidly, thrives on sandy land, and does not hay from close feeding. Choice Western seed. Not to be confused with the cheap grasses mixed with rye grass.

Fancy reclaimed seed, $1.75 per bushel.

Good Seed.......................... 1.50

**PASTURAGE GRASS MIXTURE.**—We prepare a special Pasturage mixture of Grasses and Clovers for either upland or lowland sowing. Sow three to four bushels to the acre.

Bu. (14 lbs.) $2.25. 5 bu. $10.00.

**TIMOTHY.** The best quality of Timothy seed at market prices.

REDA CLOVER, MEDIUM. (Trifolium Pratense).—The leading variety of Clover for pastures or meadows. Market prices.

**LUCERNE CLOVER.**—One of the most valuable among Clovers, resisting drought and remaining green when other sorts are dryed up. Sow on rich, moist loam or sandy soil. Prepare the land thoroughly and sow 15 lbs. to the acre.

Lb. 15c. By mail, 25c. 8 lbs. $1.00. $10.00 for 100 lbs.

**ALSIKE, or SWEDISH.** (Trifolium Hybrida).—Hardest of all the Clovers, and on rich, moist soils yields an enormous quantity of hay or pasturage. Valuable for sowing with other Clovers or Grasses, as it forms a thick bottom and increases the yield of hay. Sow 6 lbs. per acre when used alone.

Lb. 15c. By mail, 25c. 8 lbs. $1.00. 100 lbs. $10.00.

**CRIMSON CLOVER.** (The Great Nitrogen Gatherer.)

The best crop for Hay, Silage, and green manuring.—all Winter and Spring Pasturage.

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.

This popular Clover Seed is grown successfully in Delaware, Maryland and Virginia. The yield of fodder is immense. Its growth is very rapid and luxuriant, and therefore it is valuable as a fertilizer to turn under. It is fast becoming a popular crop in the Middle States and the South, and is finding its way into Pennsylvania and the West.

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 in the following spring, suitable either for consumption as green food or for hay. Ten or fifteen pounds should be sown to the acre, according to quality of ground.

6c, per lb. By mail, 16c. per lb. $5.00 per 100 lbs.

**MILLET.**

**GERMAN, or GOLDEN MILLET.**—An improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. This is the best and most productive Millet to grow. Weight, per bushel, 50 pounds. Market prices.

**HUNGARIAN MILLET.** (Panicum Geraminicum).—Early and productive, growing two to three feet high, with an abundance of foliage and slender heads. Weight, per bushel, 48 pounds. Market prices.

**COMMON MILLET.**—Weight, per bushel, 50 pounds. Market prices.

**TARES, or SPRING VETCHES** (Vicia sativa).—Closely associated with peas in character. Highly valuable for soilings or for green manuring. Sometimes grown with oats, for mowing and feeding to stock. Use two to three bushels to acre. Sow in spring, while ground is cool and moist, or in early winter. Use one to two bushels per acre. Per lb. 6c. Per bu. of 60 lbs. $3.00.

**TARES, or WINTER VETCHES** (Vicia villosa).—Also called Sand Vetch or Hairy Vetch. Recommended for fall sowing with rye, as in many localities in the North it is hardy, remaining green all winter. A valuable food for stock in early spring. Use one or two bushels per acre. Per lb. 6c. Per bu. of 60 lbs. $3.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.
GRIFFITH & TURNER CO.'S
EVERGREEN LAWN GRASS.

This is a first-class mixture prepared by ourselves, and containing nothing but choice seeds—just the thing for tennis, croquet and ball grounds—remaining green and fresh during the hot summer months. Widely known and extensively used on the finest private and public grounds around Baltimore, Washington, and elsewhere, with the most satisfactory results.

Nothing adds to the attractiveness of a suburban home more than a well kept, closely cut, velvety 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. Quart, 20 cents; peck, $1.00; bushel of 16 lbs., $3.00.

White Dutch Clover.

Thrives most everywhere. The best to sow with lawn grass, and valuable to sow with Blue Grass for permanent pastures. 1-4 lb., 10 cents; lb., 30 cents. By mail, 40 cents lb.; 4 lbs. for $1.00; 100 lbs. for $20.00.

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 200 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 less prices.

This we offer in our selected Evergreen Lawn Mixture, containing different varieties, that grow and flourish at different months of the year, so that a rich green, velvety lawn is constantly maintained. It is also adapted to the small grass plots of city homes. Pint, 15 cents; quart, 25 cents; half peck, 75 cents; peck, $1.25; bushel of 20 lbs., $4.50; five bushels, $20.00.

Nothing adds to the attractiveness of a suburban home more than a well kept, closely cut, velvety 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. Quart, 20 cents; peck, $1.00; bushel of 16 lbs., $3.00.

White Dutch Clover.

Thrives most everywhere. The best to sow with lawn grass, and valuable to sow with Blue Grass for permanent pastures. 1-4 lb., 10 cents; lb., 30 cents. By mail, 40 cents lb.; 4 lbs. for $1.00; 100 lbs. for $20.00.
Choice Flower Seeds.

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

ORDER BY NUMBERS.

1. AGERATUM, MIXED.— Suitable for beds, and especially nice for cut flowers and bouquets.
   Packet, 5c.

10. 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.
   Packet, 5c.

11. ALYSSUM (Tom Thumb).— Of dwarf, compact habit, each plant covering a circle from 15 to 20 inches. It will bloom when small and remain covered with bloom from spring to autumn.
   Packet, 5c.

20. AMARANTHUS, MIXED.— Showy blooming plants, with long racemes of curious looking flowers, and brilliant foliage; half-hardy annuals.
   Packet, 5c.

21. AMARANTHUS, TRICOLOR (Joseph's Coat).— Red, yellow and green foliage; 2 feet.
   Packet, 5c.

22. AMARANTHUS CAUDATUS (Love Lies Bleeding).— Graceful and handsome flowers of blood-red hue.
   Packet, 5c.

25. ASTER.— Choice mixed varieties; well known and beautiful flowers; should be in every garden.
   Packet, 5c.

26. ASTER, GERMAN.— All colors and shades of the best German sorts. Sow seed early and transplant to rich soil.
   Packet, 5c.

32. DWARF CHRYSANTHEMUM FLOW-ERED ASTER.— Grow 9 inches high, surpass all the dwarf varieties in size of flowers.
   Packet, 10c.

33. SEMPLE'S BRANCHING ASTER.— A choice strain of American-grown Asters which has by careful selection been brought to a high degree of excellence.
   Mixed colors, 10c.

27. ASTER, TRUFFAUT'S PERFECTION.— A very favorite class; thrifty, upright growers; flowers large, almost perfectly round, with incurved petals. The florists' preference; 1-1/2 to 2 feet.
   Packet, 10c.

28. PRINCESS SNOWBALL.— This is an entirely distinct variety of Asters. The flowers are imbricated petals, there being about 25 or 30 on a pure white and are formed of short, thickly set, plant.
   Packet, 15c.

29. MIGNON ASTER.— A splendid new class of Asters. The plants are semi-dwarf and bear in profusion flowers of a very double nature, the petals overlapping each other.
   Packet, 15c.

30. VICTORIA ASTER.— The most beautiful of all Asters, bearing flowers of all colors and shades; the colors include many extremely delicate and gorgeous shades. Very double and 4 inches across; height, 15 to 18 inches.
   Packet, 10c.

31. COMET ASTER.— This class of Asters have long, slender and curled petals, forming loose, yet dense flowers of semi-globe shape, 3½ to 4½ inches in diameter, which resemble the Japanese Chrysanthemum.
   Packet, 10c.

35. BACHELOR'S BUTTON, or BLUE BOTTLE (Centaurea cyanus).— A very old favorite garden annual with handsome flowers of various colors. It does best if sown in a hot-bed; half-hardy annuals; 2 feet.
   Packet, 5c.
40. **BALSAMS, DOUBLE MIXED** (Lady Slipper, or Forget-Me-Not).—The well known Balsams are one of the finest summer blooming annuals; free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double.

Packet, 5c.

41. **BALSAM, PURE WHITE**.—This resembles the mixed Balsams in shape, but the flowers are of a pure white, and is the variety usually grown by florists.

Packet, 10c.

45. **CANDYTUFT, MIXED.**—Well known favorite, hardy annuals; very pretty in beds or masses; useful for bouquet. Seeds may be sown in the fall for early flowering.

Packet, 5c.

46. **CANDYTUFT, WHITE.**—Treated and used same as the mixed.

Packet, 5c.

50. **CALCOFOR, BALOJF.**—This is a magnificent ornamental plant for green-house or conservatory; bearing in profusion pocket-shaped flowers of all colors, spotted and blotched in the most fashionable. Packet, 25c.

53. **CALENDULA.**—Very profuse, dwarf bushy annuals, blooming continuously and profusely until frost; of easy culture, and suitable for summer garden or for growing in pots in winter.

Packet, 5c.

55. **CANDA, MIXED.** (Crozy’s New Varieties). The Cannas are desirable, not only for the beauty of their spikes of scarlet flowers, but for their finely ornamental leaves. They make superb beds for the lawn. Soak the seeds thoroughly before planting, and keep in a warm spot. Very slow to germinate.

Packet, 5c.

56. **CANTERBURY BELLS, SINGLE MIXED** (Campanula).—A highly attractive class of plants, combining richness of color with stately growth; valuable for beds and borders. Sow early, and transplant in light, rich soil.

Packet, 5c.

61. **CANTERBURY BELLS, DOUBLE MIXED.**

Packet, 5c.

65. **CASTOR OIL BEAN** (Ricinus).—Ornamental plants of stately growth and picturesque foliage; fine for lawns, masses or center plants for ribbon beds; half hardy annuals.

Packet, 5c.

68. **a CENTAUREA GYMNOCARPA.**—Fine cut silvery-gray foliage; 1½ feet.

Packet, 5c.

68. **CENTAUREA CANDIDISSIMA.**—Silvery white, leaves broadly cut.

Packet, 5c.

69. **CENTROSEMA GRANDIFLORA**.—A perfectly hardy perennial vine of rare beauty, which blooms in July from seed sown in April, and bears in great profusion inverted pea-shaped flowers of various colors.

Packet, 10c.

70. **CHRYSANTHEMUM MIXED.**—Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowers, mostly for pot culture, and quite distinct from the autumn flowering varieties.

Packet, 5c.

71. **CHRYSANTHEMUM FRUTESCENS** (The Margaret, or Paris Daisy).—Extremely large, and in immense quantities are grown by French florists, and find a ready sale. It produces freely its white star-like flowers under the most favorable conditions.

Packet, 10c.

75. **CINERARIA** (Dusty Miller).—Fine for bedding, ribbon beds and margins; prized for their beautiful downy silvery foliage; half hardy perennials; 2 feet.

Packet, 5c.

76. **CINERARIA HYBRID, CHOICEST MIXED.**—Very attractive, free blooming plants, producing large and bright flowers.

Packet, 25c.

77. **CINERARIA HYBRID, NANA GRANDIFLORA**.—Semi-dwarf, large flowered variety, splendid strain.

Packet, 50c.

80. **CLARKIA, MIXED.**—An old favorite hardy annual plant, growing in any garden soil, and producing freely its cheerful flowers early in the season; ½ foot.

Packet, 5c.

85. **COCKSCOMBS** (Celosia Cristata).—Very popular annuals of the easiest culture; highly ornamental for decoration of the green-house, drawing room and garden.

Packet, 5c.

86. **COCKS'EARS, GLASS GROW PRIZE.**—Mense showy dark crimson combs.

Packet, 10c.

88. **COWSLIP.**

Packet, 10c.

89. **COLEUS.**—Plants with richly colored foliage of maroon, green, crimson, yellow, etc.

Packet, 5c.

90. **CONVOLVULUS, TRI-COLOR MINOR** (Dwarf Morning Glory).—A beautiful class of hardy annuals affording a large, showy mass of flowers from July to October.

Packet, 5c.

93. **COREOPSIS** (Calliopsis).—Very handsome and showy plants, with numerous flowers of brilliant colors, and of long duration in bloom.

Packet, 5c.

94. **TINTS OF DAWN COSMOS**.—This new variety comes into full bloom in July and continues a mass of bloom until cut down by severe frost. In addition to this it is of dwarf growth, and large flowers.

Packet, 10c.

95. **A WHITE**.—Packet, 5c.

95a. **PINK.**—5c.

95b. **WHITE**.—5c.

95c. **CRIMSON**.—5c.

DIANTHUS.—See Pinks.

96. **CYCLAMEN, PERSICUM**.—Giganteum, Mixed.—Charming plants with beautiful foliage and rich colorof fragrant flowers.

Packet, 25c.
Choice Flower Seeds.

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

97. DAISY, MIXED.—Well-known favorites, admirably adapted for edgings, borders and low beds, and it is also suited for growing in pots. Although they are perennials, they will flower the same season if seed is sown early in the house.

98. DAISY LONGFELLOW.—This is a very pretty large double pink variety.

Packet, 10c.

99. DAISY SNOWBALL.—An unusually large flowered variety, and produces very double, pure white flowers.

Packet, 15c.

101. ETERNAL FLOWER (Helichrysum) — 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 downward.

Packet, 5c.

103. FEYERFEW (Golden Feather) (Pyrethrum Azaleum) — A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; 1-1/2 feet.

Packet, 5c.

105. FORGET-ME-NOT (Myosotis) — Neat and beautiful little plants with star-like flowers, succeeding best in a shady, moist situation; half-hardy perennials; blooming the first year from seed if sown early.

Packet, 5c.

108. FOXLGLOVE (Digitalis) — A handsome and highly ornamental, hard perennial plant of stately growth, fine for shrubberies and other half-shady places; 3 feet.

Packet, 5c.

109. GAILLARDIA — Very attractive plants, producing a profusion of bloom the entire summer and autumn. Half-hardy annuals.

Packet, 5c.

110. GILIA, MIXED.—Very pretty dwarf plants; early, free blooming, fine for massing and rock work; hardy annuals; 1 foot.

Packet, 5c.

111. GLOXINIA — Produces in great profusion large bell-shaped flowers of the richest variety of colors.

Packet, 25c.

112. HELIOTROPE.—These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding; Half-hardy annuals.

Packet, 5c.

115. HOLLYHOCK, MIXED (Althea Rosea) — This is one of the oldest inhabitants of our gardens, and now ranks as one of the finest autumn flowers.

Packet, 5c.

116. DOUBLE WHITE.—Largely used by florists.

Packet, 10c.

120. LARKSPUR (Delphinium) — One of our most showy and useful plants, possessing almost every requisite for adornment of the garden.

Packet, 5c.

122. LOMBELIA.—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. Bearded fringed plant of blue and white flowers. Annuals. Mixed Packet, 5c.

123. LOMBELIA, CRYSTAL PALACE.—10c.

124. COMPACTA VAR.—Mixed, 10c.

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

Packet, 5c.

127. MARIGOLD, GOLD NUGGET. Packet, 10c.

130. MARVEL OF PERU, OR FOUR O'CLOCK (Mirabilis jalapa) — A pretty annual of vigorous growth. The flowers are brilliant, similarly mixed and varied on the same plant; 2 ft. high. Packet, 5c.

133. MESEMBRYANTHEMUM.—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.

135. MIGNONETTE—SWEET (Reseda Odorata) — A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annuals.

Packet, 5c. Oz. 15c.

136. MIGNONETTE—PYRAMIDAL.—(Large flowered) — The largest flowered of all Mignonettes. Annuals.

Packet, 5c. Oz. 15c.

137. MACET MIGNONETTE.—Well adapted for pot culture; dwarf pyramidal habit; bearing numerous flow- ers; stalks one of the best.

Packet, 10c. Oz. 50c.

138. MIGNONETTE VICTORIA.—A splendid new compact growing variety of dense pyramidal habit growing about six inches high. The flowers are of a brilliant red, and are suitable for pot or garden.

Packet, 10c.

139. ALLEN'S DEFANCE.—When grown under favorable conditions and with proper care, spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant, much more so than any other variety. Its great strength is accompanied by extraordinary keeping qualities.

Packet, 10c.

142. NASTURTIUM—DWARF.—The dwarf variety of Nasturtium are among the most useful and beautiful of annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom; mixed colors.

Packet, 5c. Oz. 15c.

143. D'WRF NASTURTIUM—AURORA—Blush, white and salmon, blotched with garnet.

Packet, 5c. Oz. 25c.

144. D'WRF NASTURTIUM—BEAUTY.—Light scarlet, striped with yellow.

Packet, 5c. Oz. 25c.

145. D'WRF NASTURTIUM—Empress of India.—Very dark foliage, with deep crimson flowers.

Packet, 5c. Oz. 25c.
Flower Seeds to bloom.
Ten 5c. Papers for 25c., or Four 10c. Papers for 25c.

146. DWARF NASTURTIUM—GOLDEN KING.
-Brilliant yellow.
Packet, 5c. Oz. 25c.

147. DWARF NASTURTIUM—KING OF TOM THUMBS.
-Brilliant yellow flowers, blotched with maroon, measuring three inches across.
Packet, 5c. Oz. 25c.

148. DWARF NASTURTIUM—RUBY KING.
Light ruby red.
Packet, 5c. Oz. 25c.

149. DWARF NASTURTIUM—CLOTH OF GOLD.
-Golden yellow foliage, light scarlet flowers.
Packet, 5c. Oz. 25c.

150. KING THEODORE.
-Dark scarlet maroon, dark foliage.
Packet 5c. Oz. 25c.

151. OXALIS.
-Pretty little half-trailing annuals for hanging baskets, vases, rock work and edgings, flowering in profusion; 6 to 9 inches high. Mixed, annual sorts.
Packet, 10c.

152. PANSY, HEARTSEASE.
(Viola Tricolor.)-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.
Packet, 5c.

153. PANSY, GIANT TRIMARDEAU.
-Remarkable for the extra large size of the flowers, and an endless variety of beautiful shades.
Packet, 10c.

154. PANSY, G., T. & Co.'s EXTRA BLOTCHED.
-This is the richest mixture ever sent out, containing the finest blotched varieties.
Packet, 15c. 2 packets, 25c.

155. PANSY (Bugnot's Superb Blotched).
-A celebrated strain of extra large size, beautiful colors, with handsome, broad blotches, and finely penciled with stripes of delicate hue. The ground colors are generally dark, which, with light penciling and blotches, make a magnificent flower. They are a small seeded sort.
Packet, 50c.

156. PANSY (Cassier's Strain).
-A beautifully flowered species, formed by five petals, each petal having a distinct blotch.
Packet, 25c.

157. DOUBLE PETUNIA.
-About 30 per cent. will produce double flowers.
Packet, 25c.

158. PETUNIA.
-Double-fringed Mixed.
The flowers of this sort being double, together with being fringed, are very beautiful.
Packet, 50c.

159. PHILOX DRUMMONDI.
-A most brilliant and beautiful 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, 5c.

160. PHILOX DRUMMONDI (Nana Compacta).
-Very fine mixed. This new strain is of dwarf, compact habit, and makes desirable pot plants; also excellent for ribbon lines and massing.
Packet, 10c.

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

OUR FLOWER SEEDS ARE SELECTED WITHOUT REGARD TO COST.
The best Flower Seeds.

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

Packet, 5c.

186. DOUBLE PORTULACA.—Packet, 10c.

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

Packet, 5c.

201. POPPY—PEONY FLOWERED.—A magnificent species, large, showy double globular flowers, resembling Peonies in shape.

Packet, 5c.

202. SHIRLEY POPPY.—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 blotched. The blooms, if cut when young, will stand for two or three days.

Packet, 5c.

203. TULIP POPPY.—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, 10c.

204. ICELAND POPPIES, Mixed.—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, 10c.

210. ENGLISH PRIMROSE (Primula Vulgaris).—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, 10c.

The single flowering varieties are large and brilliant, of the richest shades of color, and produced throughout the summer in great profusion; fine for massing in beds, edgings or rock work.

Packet, 5c.

181. PINK—CARNATION (Riviera Market, or Gilland).—This is the only variety that will produce yellow 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, 25c.

182. PINK—CARNATION (Marguerite).—Will produce flowers in a few weeks from seed. Profuse bloomers, producing very double flowers of all shades of red, pink, white and variegated. Will bloom all summer until frost, or will bloom indoors in winter in pots.

Packet, 10c.

185. PINK—CHINA.—(Dianthus Chinensis)—Free bloomers, and a general favorite for bouquets; also a useful bedding plant.

Packet, 5c.

188. PINK—HEDDIEWIGIL.—Beautiful double flowers in a great variety of colors, with fringed white edges.

Packet, 5c.

203. TULIP POPPY.—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, 10c.

204. ICELAND POPPIES, Mixed.—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, 10c.

210. ENGLISH PRIMROSE (Primula Vulgaris).—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, 10c.

OUR CARNATIONS GIVE THE BEST RESULTS.
Choice Flower Seeds.

Ten 5c. Papers for 25c., or Four papers for 25c.

211. CHINESE PRIMROSE (Primula fringed).—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 Petunias.
Packet, 25c.

212. RICINUS CAMPBELLII.—Bronze maroon, with red veins.
Packet, 10c.

213. RICINUS ZANZIBARENSIS. —Leaves very large and handsome.
Packet, 10c.

215. SCARLET SAGE (Salvia Splendens).—A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennial, blooming the first year from seed; 3 ft.
Packet, 5c.

216. SCARLET SAGE—CLARA BEDMAN. (Bonfire.)—The finest Salvia ever introduced.
Packet, 5c.

220. SENSITIVE PLANT (Mimosa).—Curious and interesting plants, with pinkish white flowers; the leaves close in and droop when touched or shaken; tender annual.
Packet, 5c.

225. SNAPDRAGON (Antirrhinum).—One of our most useful and showy border plants. The recently improved varieties have large, finely shaped flowers of brilliant colors. Perennial.
Packet, 5c.

230. TEN WEEKS STOCKS (Gilliflower).—A world-wide favorite, brilliant and varied in color, equally well adapted for massing, bedding, edging or pot culture. Very profuse bloomers; should be grown in rich soil.
Packet, 15c.

231. STOCKS—SNOWFLAKE IMPROVED.—A beautiful dwarf-grawong 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, 15c.

235. 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.

237. SWEET ROCKET (Hesperis).—Very pleasing, early spring flowering, profuse blooming plants, with fragrant flowers, growing freely in any light, rich soil.
Packet, 5c.

240. SWEET WILLIAM (Dianthus Barbatus).—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 perennial.
Packet, 5c.

243. SWEET VIOLET.—Deservedly much in demand, because of their profusion of bloom and delicate sweet odor.
Packet, 10c.

245. VERBENA.—One of the most popular and useful bedding plants. Verbenas delight in a sunny situation, rich soil, and thorough cultivation.
Packet, 5c.

246. VERBENA.—Mammoth.
Packet, 10c.

247. VINCA.—Small bushy plants, producing in quantity as round single flowers the first season, if sown early. They may be potted and kept all winter.
Packet, 5c.

250. VINCA ROSA.—Rose, with dark eye.
Packet, 5c.

251. VINCA ALBA.—White, with crimson eye.
Packet, 5c.

255. WALLFLOWER, DOUBLE.—Well-known, deliciously fragrant plants, with large spikes of double flowers, similar to the Gilliflower. Succeed in light, rich soil, in a moist atmosphere. Perennials.
Packet, 10c.
Choice Flower Seeds.

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

278. 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. Half-hardy annuals.

Packet, 5c.

279. CYPRRESS VINE, RED (Ipomea Quamoclit).—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.

Packet, 5c.

280. CYPRRESS VINE, WHITE.—Usually grown with the red, making a handsome effect.

Packet, 5c.

281. MAURANDIA (Barlayana).—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.

282. MIXED GOURD (Cucurbita).—Rapid growing interesting plants, with ornamental foliage and varieties of singular shaped fruit; annual.

Packet, 5c.

283. NEST EGG GOURD.—White fruit, shaped like an egg. Used as a substitute for nest eggs.

Packet, 5c.

284. DISH CLOTH GOURD.—Packet, 5c.

285. DISH CLOTH GOURD.—Packet, 5c.

286. DIPPER GOURD.—Packet, 5c.

287. MOCK ORANGE.—Fruit shaped like an orange.

Packet, 5c.

300. MORNING GLORY (Convolvulus Major).—One of the most free flowering and rapid growing plants in cultivation, thriving in almost any situation; the beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals.

Packet, 10c.

301. NEW BRAZILIAN MORNING GLORY.—Packet, 10c.

302. JAPANESE MORNING GLORY.—Charming, large and brilliant flowers; vines growing 30 to 40 feet high.

Packet, 10c.

303. MOON FLOWER (Ipomoea Noctiflora).—Charming and popular blooming climbers, of rapid growth and showy effects; warm, rich soil, with a sunny exposure, suits them.

Packet, 5c.

310. TALL NASTURTIUM (Tropaeolum Major).—Elegant, profuse flowering plants, constantly growing in favor for verandas, trellis, etc. The seed pods can be gathered while green and tender for pickling.

Packet, 5c.

311. SCARLET RUNNERS.—Very handsome climbing Beans, with bright scarlet flowers.

Packet, 5c.

326. SMILAX.—Charming climber for greenhouse or window gardens.

Packet, 5c.
Sweet Peas.

The wonderful advancement made in the size, substance and variety of colors in Sweet Peas in the past few years, have placed it in the first rank among flowering plants. But few plants are easier grown and grown in masses of separate colors or in mixture their beauty and fragrance cannot be surpassed.

We have made the selection of choice varieties of Sweet Peas a specialty and offer in our list an assortment that cannot be excelled.

CULTURE.—Sweet Peas should be sown in drills, as early as possible in Spring, in rich, friable soil. Prepare the bed thoroughly, working in a quantity of well rotted manure, if it can be done, making a furrow four to six inches deep. In this sow the seed and cover two inches deep. As soon as the plants begin to show through, fill in the furrow. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom or fade, they should be cut off, for if the pods are allowed to form, the plants will stop blooming.

325. AMERICAN BELLE.—The standard is clear, bright rose, of uniform coloring. Wings of crystal white with bright purplish carmine spots.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

331. APPLE BLOSSOM.—Bright rose and pink; beautiful.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

359. —AURORA.—The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with bright orange salmon.

Pkt. 5c. Oz. 10c. 1-4 lb. 25c.

350. BLANCHE BURPEE. Pure white; very large flower.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

343. BLUSHING BEAUTY.—Flowers of largest expanded form, perfect in shape, and of very good substance. Color a delicate soft pink.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

327. BLANCHE FERRY.—Popular. Color standard bright pink; keel and wings white.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

328. BOREATTON. A very fine dark Pea with bold, stout flowers; color, deep maroon.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

329. BUTTERFLY. New and ranks among the very best of this unrivalled class of plants. Color, lavender blue, shading into white on the lower petals.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

344. COUNTESS OF RADNOR.—Delicate lavender wings delicately striped with rose.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

361. ELIZA ECKFORD.—Standard rose; wings delicately striped with rose.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

346. EMILY ECKFORD.—Standard heliotrope, suffused with blue; wings deep blue.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

326. EMILY HENDERSON.—Very early, color pure white, fragrance most delicious. The plants are robust, branchy, of compact habit, flowers large, broad and round, and its abundance of bloom is phenomenal.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

345. FIREFLY.—Intense glowing crimson.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

356. GAIETY.—Standards white, striped and flaked with rose lilac; wings delicate blush.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

347. HER MAJESTY.—Beautiful soft rosy pink.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

338. INDIGO KING. A dark maroon standard and clear indigo blue wings.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

339. INVINCIBLE SCARLET—Flowers of intense and brilliant scarlet-pink, of the largest size.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

340. INVINCIBLE WHITE.—Produces very large flowers of fine form and pure white color.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

362. KATHERINE TRACEY—Soft brilliant pink.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

357. LADY BEACONSFIELD.—The standards are of a light salmon-pink, wings pale primrose-yellow.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

355. LADY PENZANCE.—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.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

337. LOFTIE ECKFORD.—New and a free bloomer, color lavender, shaded with pink and white. Very handsome.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

354. MRS. ECKFORD.—Color a peculiarly delicate, shaded primrose-yellow. Decidedly pretty.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

330. MRS. GLADSTONE.—On opening, the flowers are buff and soft pink, changing to a beautiful pale blush. Standard pink deepening in color at the base, and wings flesh tinted.

Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

NO GARDEN SHOULD BE WITHOUT SWEET PEAS.
Sweet Peas.

Ten Packets for 25c., or Fifty Packets for $1.00.

348. MRS. SANKEY.—Black seeded. Large, white flower, changing to bluish.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

334. ORANGE PRINCE.—Bright orange pink, flushed scarlet; wings rich rose, veined with pink.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

333. PRIMROSE.—Distinct as the nearest approach to yellow in Sweet Peas. Standard and wings of a pale primrose-yellow color.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

335. PRINCESS BEATRICE.—Flowers of a clear and beautiful carmine-rose, slightly shaded.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

336. PRINCESS OF WALES.—Color white ground shaded and tinged with mauve.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

333. PRINCESS VICTORIA.—Standard dark cherry, wings mauve pink and slight lines of rose.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

342. QUEEN OF ENGLAND.—Grand pure white flowers of extra large size, specially choice.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

341. QUEEN OF THE ISLES.—Scarlet mottled and flaked with purple and white.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

363. RED RIDING HOOD.—Standard and wings are a rosy pink, shading to bluish white at the calyx.
   Pkt. 5c. Oz. 10c. 1-4 lb. 25c.

351. ROYAL ROBE.—Standard a rich but delicate pink, wings a soft blush-pink.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

358. STANLEY.—A deep maroon; a large and very handsome flower of the finest form and abundance.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

332. THE SENATOR.—Large flowers, shaded chocolate and bright brown, and striped on a creamy white ground-color; mottled and blotched in every conceivable manner.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

349. VENUS.—Salmon buff; the standards delicately shaded with rosy pink.
   Pkt. 5c. Oz. 10c. 1-4 lb. 20c.

360. G. & T. CO.'S EXTRA FINE MIXED.—This is a splendid mixture of our own, which includes nearly all the above varieties.
   Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 50c.

GOOD MIXED.—0z. 5c. 1-4 lb. 10c. Lb. 30c.

New Double Sweet Peas.

From the most carefully selected stock seed, saved only from the best plants bearing double flowers. We do not think, however, that more than one-third will produce double flowers. We now offer the following varieties:


Per packet, 5c.; 6 packets for 25c.
Also Mixed Double Sweet Peas, 5c packet; 6 packets for 25c. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.

Price, 5c. per packet, Oz. 15c.
Large Flowering Dwarf French Cannas.

THE BEST BEDDING PLANT FOR THE GARDEN.

POTTED PLANTS.

MADAME CROZY.—Flowers of dazzling crimson scarlet, bordered with golden yellow; a marvellous and rich combination of colors. The plant is of vigorous growth, yet very dwarf in habit, rarely exceeding four feet in height. The foliage is of rich, cheerful green, and very massive. The flowers are produced in large branching stems, which are closely set with bloom, each stem being really a bouquet in itself. It is remarkably free flowering, and can be had in bloom the year round.

Each, 10c. Dozen, $1.00.

ALPHONSE BOUVIER.—This is probably the grandest and most effective Crimson Canna grown. Height, 6 feet.

Each, 10c. Dozen, $1.00.

PAUL MARQUANT.—One of the most pleasing on account of its large size and entirely distinct color. Its color is of a bright salmon scarlet, passing to a rosy carmine with a peculiar silvery lustre, which lights up the salmon very brightly. 3 to 3½ feet in height.

Each, 10c. Dozen, $1.00.

ADMIRAL COURBET.—Flowers large, light yellow, spotted with crimson.

Each, 10c. Dozen, $1.00.

FLORENCE VAUGHAN.—The finest yellow-spotted variety yet sent out; the foliage is massive and of a rich green color.

Each, 10c. Dozen, $1.00.

QUEEN CHARLOTTE.—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct Golden belt around each petal.

Each, 10c. Dozen, $1.00.

POT PLANTS.—A selection of Mixed varieties.

Each, 10c. Dozen, 50c.

Dwarf French Canna.

DRY ROOTS.—Each, 5c. Dozen, 50c.

TALL CANNAS.—Mixed red or green foliage.

Each, 10c. Dozen, $1.00.

If Cannas are wanted by mail, send 5 cents additional for postage on each.

Tuberous Rooted Begonias.

The Tuberous-Rooted Begonias are among the handsomest of our summer-flowering bulbs. They are not grown to the extent they should be, as they require no more care than Geraniums, have as fine a range of color, and will bloom continuously throughout the summer, even when Geraniums droop through lack of moisture and fail to unfold their flowers. Planted either in the rockery or flower border, they rival the Geraniums with their rich and various colors, ranging from the most delicate shade of yellow and salmon to the most striking crimson and scarlet.

Mixed Single, 10c. each; $1.00 dozen.

Mixed Double, 25c. each; $2.50 per dozen.

I HAVE ALWAYS FOUND YOUR BULBS AND SEEDS A SUCCESS.

H. C. SHELTON, VIRGINIA.
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 to be unexcelled as to quality.

Mixed, all colors—Dozen, 25c. 100, $1.25. Extra white and light varieties—Dozen, 30c. 100, $2.00.

EXTRA WHITE AND LIGHT VARIETIES.—All first-class varieties made up largely from best named sorts, including ten per cent, of Snow White.

10c. each. 50c. per dozen. $3.50 per 100.

When ordered by mail, add 10 cents per dozen for postage.

Iris Kæmpferi.

JAPANESE IRIS.—These magnificent Japanese Iris are among the most beautiful of our summer 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 ten to twelve inches in diameter, and almost rival the orchids in their rich colorings and markings.

Each, 15c. 4 for 50c.

MADEIRA VINE ROOTS.—5c. each. 30c. doz.

Dutch Bulbs.

DUTCH BULBS.—(For Fall Planting.)

Catalogue ready in September. Mailed free on application.

HYACINTHS, TULIPS, NARCISSUS LILIES, &C., FOR FALL PLANTING
Lilies.

Lilium Auratum.

**AURATUM (The Gold-Banded Lily of Japan).** Immense white flowers, each petal marked with a wide gold band and spotted with maroon; very sweet fragrance and free blooming. It is considered by many the finest Lily in cultivation.

Large Bulbs, 15c. each. $1.00 per dozen.
Extra Large Bulbs, 15c. each. $1.25 per dozen. Mailed free.

**LILIUM SPECIOSUM RUBRUM.** White, with rose centre.
Each, 15c. $1.00 per dozen.

**LILIUM SPECIOSUM ALBUM.** Pure white.
Each, 15c. $1.50 per dozen. Mailed free.

Hardy Water Lilies.

**NYMPHAEA ODORATA.**—The well-known, fragrant pond lily. Its lovely, pure white flowers, so common in some localities, is worthy of a place among the choicest varieties where cultivated. All Nymphaeas of this type are useful for naturalization.

15c. each. 4 for 50c. $1.25 per dozen.

**NYMPHAEA ODORATA GIGANTEA.**—This is a superb variety, and should be in every collection, similar in all respects to N. Odorata, but the flower is very large and full. A Southern variety of the N. Odorata type.

15c. each. 4 for 50c. $1.25 per dozen.

**NYMPHAEA ODORATA MINOR.**—A pretty little variety of our native pond lily, equally as hardy and fragrant, but the flowers and leaves are much smaller.

15c. each. 4 for 50c. $1.25 per dozen.

Chrysanthemums.

An assortment of the choicest varieties.

**COL. WM. B. SMITH.**—A grand, deep yellow, of finest form and size.

**CALLINGFORD.**—A fine shade of crimson.

**EUGENE DAILLEDOUZE.**—Bright, clear yellow; extra.

**GOLDEN WEDDING.**—The grandest golden yellow ever introduced.

**IVORY.**—Snowy white; perfect form, and early.

**MRS. F. BERGMAN.**—One of the earliest and best whites.

**MISS MINNIE WANNAKER.**—Large, clear white; very fine.

**MRS. J. T. WHILDIN.**—A handsome light yellow.

**MAUD DEAN.**—An extra large flowered variety; color pink, almost rose.

**MINERVA.**—Large, vivid golden yellow.

**NIVENS.**—A grand snow-white variety.

**THE QUEEN.**—Excels all in pure whiteness.

**V. H. HALLOCK.**—Rosy pearl of a waxy texture.

**WM. H. LINCOLN.**—A magnificent golden yellow variety.

Price, 15c. each, $1.50 per doz., $8.00 per 100.
14 varieties, $1.75.
Standard Roses.
Fifteen cents each, Four for 50 cts., $1.25 per dozen.

AUGUSTA VICTORIA.—One of the most desirable Roses of recent introduction. The flowers are produced in the greatest profusion, are of large size, of a creamy white color, shading deeper towards the centre. It is a strong, healthy grower, with fine foliage, and will undoubtedly become popular both as a bedding variety and for forcing under glass.

AMERICAN BEAUTY.—Beautiful crimson; very double and fragrant.

LA FRANCE.—Splendid satiny Rose; very large, full, fine form; a constant bloomer.

METEOR.—A rich, dark, velvety crimson Hybrid Tea; a free-bloomer and vigorous grower.

MADAME CAMILLE.—Pale flesh, changing to salmon Rose, shaded with carmine.

MARIE GUILLOT.—Pure white; a fine bedding Rose.

MARECHAL NEIL.—Large golden yellow.

SAPRANO.—Saffron yellow; beautiful in the buds; a well-known favorite.

NIPHETOS.—The White Rose par excellence—large pointed buds; very free flowering. Particularly valuable for winter forcing and summer blooming.

PAPA GONTIER.—This is one of the most fashionable of our winter flowering Roses, but is equally useful for summer bedding. Color, a glowing carmine crimson.

PERLE DES JARDINS.—No Rose of its color is more valuable than this. Its color is a rich shade of yellow; large size and perfect form. Tea fragrance; a healthy, free grower, and unequalled in profusion of bloom.

THE BRIDE.—The Bride is a pure white Rose of large size and most perfect form. This variety has a most delicious fragrance, and is a strong-growing, free-blooming Rose, either for summer or winter flowering.

BRIDESMAID.—This beautiful new Rose is a sport from Catherine Mermet, possessing all the good qualities of that popular variety, but surpassing it in color, being of a darker, richer color, a deep, rich pink. A most desirable acquisition, and invaluable for winter forcing.

GEN. JACQUEMINOT.—Well known and popular.

CORNELIA COOK.—Perhaps the finest white Rose; flowers very large.

OLDEN GATE.—Creamy white, tinted yellow; petals edged with rose.

HERMOSA.—Pink. A grand bedding Rose, prolific in blooming, and almost entirely hardy, having lived for years in the New York cemeteries.

QUEEN PINK AND WOOTEN.

FLOWER TUBS.
Made of Cypress. Never Decay or Fall Apart.

Natural varnish finish on the wood, or if wanted can finish them in oil paint, but to order only.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 in.</td>
<td>$1.00</td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

NO. 1.—PLAIN.
Climbing Roses.

15c. each. 4 for 50c. $1.25 dozen.

CRIMSON RAMBLER.—This rose has already made an impression as one of the grandest garden varieties introduced for years. It is of Japanese origin, and quite hardy, with strong shoots, that climb high in a season, or may be cut back into handsome bush form. The foliage is noticeably distinct and handsome, light glossy green, thick and leathery. The flowers are produced in great pyramidal panicles of brilliant crimson. As a decorative pot plant it is also strikingly effective.

YELLOW RAMBLER.—The hardiest yellow climbing rose yet introduced. A worthy companion to the Crimson Rambler, White Rambler and Pink Rambler.

Baltimore Belle.—Pale blush, shading to rose color; very double flowers in large clusters.

Grevillea, or Seven Sisters.—Flowers in clusters, opening a light rose color, changing to pure white.

Prairie Queen.—Bright carmine pink; full, globular flowers of fine size. A fine Rose for all sections.

Tennessee Belle.—Blush of good size, flowers in clusters.

Champney, Pride of Washington, Russell's Cottage, Superba.

Dahlias—Pot grown.

Large Flowering.

Arabella.—Primrose tip and shaded lavender.
Dandy.—Pure pink, striped jet black.
Ethel.—Clear yellow, flaked white.
Forget-Me-Not.—Variegated.
King of Yellow.—Pure, clear yellow.
La Phare.—Brilliant scarlet.
Madame Zeller.—Yellow tip, shaded red.
Mrs. Dexter.—Salmon.
Nymphe.—Light shrimp pink.
Nero.—Deep crimson maroon.
Prince Bismarck.—Rich purple.
Penelope.—Pure white, flaked lavender.
Perle.—Clear white.
Rubi Queen.—Clear ruby red.
Souv de Madame Moreau.—Deep red pink.

15c. each. 6 for 75c. $1.25 per dozen.

Fine Cactus Dahlias.

Bronze.—Buff yellow, overlaid bronze.
Fire Ball.—Clear yellow, tipped reddish pink.
Miss Jennings.—Combination of yellow, salmon and pink.
Oriental.—Rich pale salmon.
Dahlia Roots, in Mixture, 5c, each, 50c, dozen.

Red and Black.—Deep wine, red margin black.
Sunlight.—Soft pale lemon.
True Model.—Buff, overlaid with reddish bronze.
Unique.—Pure yellow, tipped with red and blue.

15c. each. 6 for 75c. $1.25 per dozen.

Pomponne Dahlias.

Ailllets Imperial.—Suffused pink, tipped purple.
Crimson.—Beauty. Rich crimson.
Elfín.—Pale primrose, changing to cream white.
Eleganta.—Soft pink, tipped deep pink.
Goldfinch.—Clear yellow, tipped with scarlet.
Leila.—Flesh mottled, deep crimson.
Little Bessie.—Quilled creamy white.
Little Prince.—Red tipped, mottled deep crimson.
Little Diable.—Light pink, tipped with dark maroon.
Little Helen.—Pure white.
Little Pet.—Soft pink, shaded with crimson.
Little Master.—Deep maroon.
Vivid.—Intense scarlet.

15c. each. 6 for 75c. $1.25 per dozen.

Dahlia Roots, Choice Named Sorts, 10c. each. $1.00 per dozen.
FRUIT.

Our stock will be first-class in every respect, as we deal only with the best house and give special prices in large lots. As our space is limited, we will describe a few of the choicest kinds, but give below the names of other varieties well-known to the public. Information will be given to all letters requesting information.

SUMMER APPLES.

YELLOW TRANSPARENT.—A Russian apple of great value; above the medlar in size; slightly conical; skin a clear white, changing to a pale yellow when fully matured; a remarkably early bearer; very productive; tree vigorous and upright grower; gives general satisfaction; does well everywhere, and ripens among the earliest, July.
50c. each. $1.50 per doz. $18.00 per 100.

EARLY HARVEST.—Rather large, round; yellow; flesh nearly white, tender, juicy, crisp, with a rich, sprightly, subacid flavor; moderate sized; quality excellent and very productive; taking all its qualities into consideration, this has no superior among early apples. June and July.
50c. each. $1.50 per doz. $18.00 per 100.

AUTUMN APPLES.

GRAVENSTEIN.—Large, roundish, striped with red; flesh tender, juicy, very rich, subacid, high flavor; productive, handsome and excellent; fine in all localities. August.
50c. each. $4.50 per doz. $48.00 per 100.

OLDENBURG (Duchess of Oldenburg).—A Russian variety of very handsome appearance and great value; tree very hardy, vigorous, and an abundant bearer, producing large, golden yellow, nearly covered with streaks of crimson; flesh tender, juicy, pleasant; valuable for market. August.
50c. each. $4.50 per doz. $48.00 per 100.

WINTER APPLES.

LANKFORD’S SEEDLING.—Origin, Kent County, Md. Tree hardy and a good bearer, bearing annual crops; fruit of large size, striped; quality excellent; keeps till April. This new sort possesses many valuable qualities, and will no doubt become a popular sort for late winter use.
50c. each. $4.50 per doz. $48.00 per 100.

JORDAN IMPERIAL.—Medium; whitish, shaded with crimson in the sun; firm, crisp, juicy, pleasant, mild, subacid. Tree moderately vigorous and productive. A popular Pennsylvania variety. November to February.
50c. each. $4.50 per doz. $48.00 per 100.

YORK IMPERIAL.—Medium; whitish, shaded with crimson in the sun; firm, crisp, juicy, pleasant, mild, subacid. Tree moderately vigorous and productive. A popular Pennsylvania variety. November to February.
50c. each. $4.50 per doz. $48.00 per 100.

MAMMOTH BLACK TWIG (Arkansas Paragon).—Originated in Kansas. A seedling of the Winesap, which it resembles, but it is superior in many ways. Large, deep red; subacid; early and abundant bearer, and a good keeper; the tree is a strong grower, and roots well. This valuable winter apple has few equals. December to April.
50c. each. $4.50 per doz. $48.00 per 100.

PEARS.

BLIGHT PROOF.—This ironclad against blight is indeed an acquisition. It seems to have inherited all the health and vigor of its parent, the Sand Pear. The fruit is large to very large, conical, smooth, with beautiful greenish yellow surface; skin is firm, of a good size, and very handsome; flesh very tender, very fine, and especially for canning. Tree a strong grower, bears early and abundantly. Bound to win favor for market. Free from blight. September and October.
45c. each. $4.00 per doz. $40.00 per 100.

KEIFFER.—A seedling of the Japan Hybrid, raised by Dr. J. B. Garber, of Pennsylvania; resembles Keiffer, yet is larger, of better quality, and more productive; and especially for canning. Tree is a strong grower, bears early and abundantly. Bound to win favor for market. Free from blight. September and October.
45c. each. $4.00 per doz. $40.00 per 100.

FOLLOW INSTRUCTIONS ON PAGE 64 HOW AND WHEN TO SPRAY.
Fruit, Nut and Shade Trees.

JAPANESE OR ORIENTAL PLUMS.

This new strain of Plums has been received with general favor, and in the South, where the European kinds do not succeed as well as at the North, they have proved a blessing. In some sections where the Chickasaw or native kinds (Wild Goose, etc.) only are successful, the Japanese kinds are especially welcome, as they rate up in quality quite well with the very best European varieties.

One very valuable quality of the Japanese Plum is, that the wound made by the curculio (an enemy to Plum culture everywhere), does not seem to affect the Japan kinds to the same extent as European and other kinds; while they are not curculio proof entirely, yet for some reason the wound soon heals and the fruit matures perfectly. This may be attributed to the extremely strong and vigorous nature of both tree and fruit, as it appears to be able to resist and outgrow the trouble. But with the improved pumps and spraying apparatus, now so largely in use, there need be no fear of curculio or other fruit pests if directions on page 6 are followed. It is a mistaken idea to suppose that Plums are a tropical fruit, because they are grown in Japan in same latitude as Northern New York.

BOTAN, or ABUNDANCE.—Lemon yellow ground, nearly overspread with cherry, with heavy bloom; flesh yellow, very juicy; subacid, with apricot flavor; highly perfumed; stone small; the tree is exceedingly hardy, and bears regularly; nearly curculio proof; early and heavy bearer; the best of its class. First of August.

SIMONII (Apricot Plum).—Origin China. Fruit large, tomato-shaped, cinnamon-red color; flesh is firm, sweet, aromatic; the flavor is delicious, and not found in any other plum, being similar to that of a pineapple, nectarine and banana; a beautiful and valuable plum. We believe it has come to stay; tree a strong grower, bearing young.

BURBANK.—Resembles the Abundance in many ways: globular, large, cherry red, with slight lilac bloom; flesh deep yellow, very sweet, with pleasant and agreeable flavor; strong grower; bears early, often at second year. September 1st.

Price, 60c. each. $1.50 for 3. $2.75 for 6. $4.50 per dozen.

Additional varieties, including Shropshire Damson.—Price, 35c. each. $3.50 per dozen.

CHERRIES.

HEART—Black, Tartarian, Gov. Wood, Napoleon, Bigareau, Florence, Early Purple.

DUKE AND MORELLO—Dye House, Belle Magnifique, Early Richmond, Montmorency.

Price, 25c. each. $2.50 per dozen.

APRICOTS.

APRICOTS (Russian Varieties)—Neatnirnes—Quinces, consisting of Meech Prolific, Red and Champion.

Price, 25c. each. $2.50 per dozen.

NUT-BEARING TREES.

All over the country there is a rapidly growing interest in nut culture. The demand for nuts is great; the markets are poorly supplied, and the prices too high. Palatable and wholesome as they are, they should be come a common article of food here, as in Europe.

Spanish Chestnut, English Walnut, Paper Shell Pecan, Filberts.

Price, 30c. to 40c. each, according to variety.

GRAPES.

The following list contains the best known sorts of hardy American varieties:

Ohio, Black.—One of the very best sorts. 50c. each; $3.50 per dozen.

Bright—Red—Concord, black—Delaware, red—Martha, white—Worden, black.

25c. each. 6 for $1.00. 12 for $2.00.

Moores Early, black—Niagara, white—Pocklington, white—Verginnes, red—Champion, black.

30c. each. 6 for $1.50. 12 for $2.00.

SHADE AND ORNAMENTAL DEPARTMENT.

SHADE TREES.—8 to 10 feet.

Each 40c. to 60c., according to variety.

EVERGREENS.—2 to 2 1/2 feet.

Each 50c. to 75c., according to variety.

SHRUBBERY.—25c. to 45c., according to variety and size.

VINES.—20c. to 60c., according to variety and size.

Carolina Poplar.—8 to 10 ft. 40c. each; $4.00 doz.

Maple, any kind.—60c. each; $6.00 doz.

Linden Eup. & Am.—60c. each; $6.00 doz.

Other kinds in proportion.

EVERGREENS.

Spruce.—2 to 2 1/2 ft. 50c. each; $5.00 per dozen.

Firs.—2 to 2 1/2 ft. 75c. each; $7.50 per dozen.

Other varieties in proportion.

SHRUBBERY.

Deutzia Gracilis.—30c. each; $3.00 per dozen.

Deutzia Crenata.—30c. each; $3.00 per dozen.

Lilac, White and Blue.—30c. each; $3.00 dozen.

Spirea, Rievesli.

"Bumalio.

30c. each; $3.00 per dozen.

"Calosa Alba"

Hydrangea, Paniculata Grand.—30c. each; $3.00 per dozen.

VINES.

Akebia Quinta.—25c. each; $3.50 per dozen.

Ampelopsis Veitchii.—25c. each; $3.50 per dozen.

English Ivy.—25c. each; $3.50 per dozen.

Wisartia Purpurina.—50c. each; $3.00 per dozen.

Wisartia Alba.—30c. each; $3.00 per dozen.

Clematis, large flowering.—50c. each; $5.00 dozen.

Clematis, small flowering.—30c. each; $3.00 dozen.

SPECIAL PRICES ON LARGE LOTS.
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.

POT-GROWN PLANTS will be ready for delivery after August 1st. Prices for pot-grown plants are from $2.50 to $4.00 per 100, according to variety.

OUR FAMILY COLLECTION.— This collection has been made after years of trial, and will give a continuous crop for six weeks. The following varieties are the choice ones of their respective season, from early to late. Varieties marked (P) should have a perfect flowering sort planted adjoining them.

MEeks EARLY.— This is the earliest berry with us, and is of good size, productive, a choice table sort, and with us in 1896, gave a good picking every other day for 15 days.

TENN. Prolific.— This is a splendid berry, and is excelled by none during its season. A large berry, sweet, firm, extra bright color, a strong grower and heavy producer. It is very attractive, and of uniform size and color, ripens to the end.

Bubach (P).— This is the standard berry wherever grown. It is very large, very dark red, sweet and an exceedingly strong grower, with very large, dark foliage. Ripens from medium to late, and on account of size, color and sweetness, is one of the best.

Gandy.— This late berry is a vigorous grower, has large fruit of good color. Ripens after others have gone. It is fine for canning or table use, and prolongs the season of strawberries to the very latest. In the latitude of Baltimore or Philadelphia these four varieties will fruit from May 18th to July 1st.

Prices of above four sorts, 75c. per 100; $4.00 per 1000. By express only. If wanted by mail, add 25c. per 100 to pay postage.

Standard Varieties.

NOTE.— In this selection we give varieties generally well known and of tried excellence; therefore the descriptions are brief.

TIMBRELL (P).— This sort, although somewhat new, has been widely advertised and become so popular we place it with our standard sorts. Fruit is very large, of bright red or crimson color, quality of the best and decidedly sweet. It has proved very popular over a wide extent of the country, having been tested nearly everywhere the strawberry grows.

Price, per 100, $1.00. 1000, $4.50.

BRANDYWINE.— A very late large sort, one of the best for its season; a strong grower and productive.

Price, by express, 75c. per 100. $4.00 per 1000.

MARSHALL.— Medium to late in season, and berries of the largest size. This variety has taken high rank. A strong grower and very productive. Fruit ripens nearly all over, and is a dark red. Do not fail to plant some of these.

Price, per 100, $1.00. 1000, $4.50.

BEDERWOOD.— Early and of medium size; a standard sort.

Price, per 1-0, 75c. $3.75 per 1000.

DAYTON.— This is a very desirable sort on account of being early and exceedingly sweet. It ripens perfectly, and is unexcelled during its season for table use.

Price, per 100, 75c. $3.75 per 1000.

GREENVILLE (P).— Mid-season, size large, and one of the best we had during 1896. This variety rivals the Bubach, and should be in every garden.

Price, per 100, 75c. $3.75 per 1000.

Haverland (P).— Early in season, size large and quality good.

Price, per 100, 75c. $3.75 per 1000.

H. W. Beecher (P).— Mid-season, size large; the color is dark red, and for productiveness is one of the best. Always plant some of this variety.

Price, $1.00 per 100. $5.00 per 1000.

Jessie.— Mid-season; good size and productive.

Price, per 100, $1.00. 1000, $4.50.

New Lady Finger.— A very long berry of beautiful appearance and very valuable because of its habit of holding good size to the end of the season. In rank from medium to very late.

Price, per 100, $1.00. 1000, $4.50.

Lady Thompson.— Ripens in season from medium to late. This is a good sort for general planting. Vigorous and productive.

Price, $1.00 per 100. $4.00 per 1000.

Michel's Earl.— Very early, ripening here May 18th, in 1896. For the first berries for table use it cannot be excelled. We can recommend this sort.

Price, per 100, 75c. $3.50 per 1000.

POT-GROWN STRAWBERRY PLANTS READY IN AUGUST.
STRAWBERRY PLANTS.—Continued.

Raspberries.

BLACK PROGRESS (Pioneer).—The best very early jet black Raspberry. Good quality, ripening with Souhegan, stronger grower and more prolific; very valuable market variety; extremely hardy.

Price, 50c. per dozen. $2.00 per 100, by express.

GOLDEN QUEEN.—The best yellow Raspberry. Very large, exquisite beauty, very good quality, hardy and very productive; very strong grower, and succeeds well in the South and Pacific Coast, as well as in colder climates.

Price, 50c. per doz. $3.00 per 100, by express.

CUTHBERT, GREGG, OHIO AND SOUHEGAN.
—50c. per dozen. $1.00 per 100, by express.

Currants.

CHERRY.—The most popular market sort. Bunch and berry very large, bright red; bush healthy; vigorous and productive.

Price, 60c. per 1-2 dozen. $1.00 per dozen.

FAY’S PROLIFIC.—The best red Currant. Strong grower, wonderfully productive, and comes to bearing young; fruit large, bright red, and good quality.

Price, 75c. per 1-2 dozen. $1.50 per dozen, by express.

WHITE GRAPE.—The largest and best white Currant. Bunch large; berries large, handsome, translucent and excellent quality. Strong grower and very productive.

Price, 60c. per 1-2 dozen. $1.00 per dozen, by express.

Gooseberries.

If wanted by mail, add 15c. per dozen.

DOWNING.—The best of the American sorts, and a vast improvement upon the Houghton, of which it is a seedling. Fruit large, pale green, and of excellent quality, both for cooking and table use. Bushes stocky, hardy, very prolific.

2-year old, 60c. per 1-2 dozen. $1.00 per dozen. $7.50 per 100, by express.

Houghton’s Seedling.—A native variety, prolific bearer, light-colored fruit, impervious to mildew.

50c. per 1-2 dozen. 75c. per dozen. $5.00 per 100, by express.

Blackberries.

WILSON Jr.—The largest known variety, of fine appearance, and ripens very early. Very productive and good quality. By its low, trailing habit of growth it is easily protected in winter, and well adapted on that account to cold climates.

Price, $2.00 per 100. $10.00 per 1000.

KITTATINY.—A very popular sort for general planting, and still growing in prominent favor, especially for family use. Very strong grower; berries large and fine flavor, exceedingly productive. Season extends from medium to very late.

$7.50 per 100.

LUCRETIA (Dewberry).—As early as Early Harvest and as large as Wilson. Shiny jet black, melting and delicious quality, devoid of core. Plant is entirely hardy, healthy, strong grower and very productive.

Price, by express, 50c. dozen. $3.00 per 100

JAPAN WINEBERRIES.—This fruit is but little known, but should be in every garden. It is wonderfully productive. At this date, June 20th, our beds are one solid mass, about 3 feet high, and covered all over the top with fruit as thick as clover in blossom.

Price, $1.50 per dozen, by express.

POT-CROWN STRAWBERRY PLANTS READY IN AUGUST.
THOROUGHBRED STOCK AND POULTRY.

PURE BRED
POLAND CHINA PIGS.
This breed, acknowledged to be the best large black hog, is a general favorite with all who have tried them. The sows are prolific breeders and good mothers, raising, in many instances, an entire litter. Our stock is choice.

Prices—First choice Pigs, eight to ten weeks old, $8.00 each; trio mated, not akin for breeding, $21.00.

PURE BRED
BERKSHIRE PIGS.
As a distinct breed the Berkshire is one of the oldest and best, and, in fact, its merits as a producer of sweet meat, with the lean and fat nicely intermingled, are too well known to need comment. As a farmer's hog, they have few rivals.

Prices same as Poland China.

BROWN LEGHORNS.
The characteristic features of these birds is their wonderful egg-producing qualities and early maturity, pullets beginning to lay when only four or five months old. 13 eggs for $1.50.

Cockerels, $1.50 to $2.00; trio, $3.50.

LIGHT BRAMAS.
The largest of all breeds: they are excellent layers, quiet and gentle in disposition, and the eggs are large, of a rich brown color.

Cockerels, $3.00 to $3.50; trio, $6.00 to $8.00 13 eggs, $2.00; 26, $3.50.

BARRED PLYMOUTH ROCK.
The Barred Plymouth Rock is perhaps the most popular and widely known variety of fowls bred in America. In almost every barnyard flock of fowls you will find specimens which their owner vows to be the pure and genuine Plymouth Rock. They are justly styled the "Farmers' Fowl." We believe we have as fine a strain of Barred Plymouth Rocks as can be found in the United States. After the age of ten to twelve weeks, when they make the best of breeders, there is no stage of their growth when they are not suitable for market purposes. Having a fine yellow skin, and being large breasted, makes them one of the best table fowls in the market. They are the best all-year-round layers. We have three yards of these fowls, and will furnish eggs from either as follows, eggs packed in slat baskets ready for Express:

13 eggs for $2.00; 26 for $3.50.

Cockerels, $1.00 to $3.00.

Good Cockerels, $2.00; Trio, $6.00 to $8.00.

PURE BRED
SHROPSHIRE SHEEP.
No sheep of today are attracting the attention of successful breeders and progressive farmers like the Shropshire class. Being the finest combination of a producer of both choice mutton and wool, they naturally yield better profits for those who breed them. Last season the average clip of our flock was nine and a half pounds to the fleece. Our flock is headed by a very choice ram, who was sired by a prize-winning ram in England.

Prices—Single Buck or Ewe Lamb, first choice, $15; Second choice Lambs, $12.50.

WHITE WYANDOTTES.
MAKE THE FINEST BROILERS.
For beauty, style and fine form, they have no equal, and as a market or table fowl they have no superior.

Cockerels, $3.00 to $5.00; trio, $6.00 to $8.00; 13 eggs, $2.00; 26 for $5.50.

BLACK LANGSHANS.
They attain early maturity and grow to a large size. Good layers all the year round.

Single Male, $3.00; Trio, 1 Cockerel and 2 Pullets, $6.00 to $8.00. Eggs, $2.00 per 10; $5.50 per 25.

WHITE PEKIN DUCKS.
Males, $2.00 each. Females, $1.50 each.

EGGS securely packed for shipping via Express to any part of the country.

MAMMOTH BRONZE TURKEYS.
They are good layers, and are the most profitiable breed for market. Gobblers 2 years old will often weigh 40 to 50 pounds. Single gobbler, $5.00; pair, $8.00; trio, 1 gobbler and 2 hens, $12.00. Eggs, $2.25 for 8; $4.00 for 12.

FOWLS shipped in slat-covered coops so as to secure for customers the low Express Rates as issued by the Express Companies in November, 1895.
POULTRY SUPPLIES.

CLIMAX

CONDITION

POWERS.

•

For Stock

and Poultry.

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. All who have used Haven’s Climax Condition Powders once will have it again.

18 oz. package, 25 cts., by mail, 40 cts.
32 oz. package, 50 cts. 5 lb. box, $1.00.

Haven’s Roup Pills.

For the cure of Roup, Catarrh, Colds, etc. Box . . . . Price $1.00.

EGGS AT ALL SEASONS BY USING

RUST’S

EGG

PRODUCER.

TRADE

The Hen

Persuader.

MARK

This has given our customers universal satisfaction. It supplies those substances which produce Egg growth and development. So moderate in price, it should be used winter and summer.

1 lb. package 25 cts. 3/4 lb. 50 cts.
5 lb. box . . . . . . . . $1.00.

If to be sent by mail, add 16 cts. per lb. to prepare postage.

SHERIDAN’S

CONDITION POWDER

Strictly a medicine, to be given in the food, once daily, in small doses. Prevents and cures all diseases of hens. Worth its weight in gold when hens are moulting. Price, small package, 25 cents, 5 for $1.00; large package, $1.00, by mail, $1.25; 6 large packages, by express, $5.00.

Erb’s Horse and Cattle Powders.

For the cure of diseases that affect Horses, Cattle, Swine, Sheep and Fowls. Growing in popularity, and sales constantly increasing.

Package . . . . 15 cts.
2 packages . . . . 25 cts.

GROUND 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.

1 lb. 10c.; 5 lbs. 30c.; 10 lbs. 50c.; 25 lbs. $1.00; 100 lbs. $3.50.

GROUND BEEF SCRAP.

Our ground beef scraps are specially prepared. Feed three times a week at the rate of about a handfull to every three birds in the morning meal of hot food. During warm weather the scraps need not be fed more than once a week.

5 lbs. 25c.; 10 lbs. 40c.; 50 lbs. $1.25; 100 lbs. $2.25.

MEAT MEAL.

This is a true egg-producing, flesh and bone-forming food, and supplies just what they lay for the young hens and growing chicks require. It is not a medicine. It is fed with other foods. Fed to small chicks about three times a week will promote health, growth and vigor.

5 lbs. 25c.; 10 lbs. 40c.; 25 lbs. 75c.; 50 lbs. $1.25; 100 lbs. $2.50.

CRACKED POULTRY BONE.

For mixing once a day with soft feed this is unsurpassed. Laying hens and young chicks, whose digestive powers are not strong, are much benefited by this, especially during the winter months, or where close confinement in yards is exacting the same as the cracked bone described above, only it is ground much finer.

5 lbs. 25c.; 10 lbs. 40c.; 30 lbs. $1.00; 100 lbs. $2.50.

CRUSHED OYSTER SHELL.

To aid digestion it is necessary to feed some gritty material. Mica crystal supplies this want better than any other article known. We can supply this in two grades, fine for small chicks and birds, coarse for large fowls.

5 lbs. 15c.; 10 lbs. 25c.; 25 lbs. 40c.; 100 lbs. $1.00.

WHITE LIME GRIT, same price as Mica Crystal.

MICA CRYSTAL GRIT.

Highly recommended for poultry as one of the best egg-producing foods known, keeping them in good condition.

Quart...10c. Peck...50c. Bushel...$1.50

DEATH TO LICE. A DISINFECTANT INSECT POWDER.

This powder is unrivalled as an insecticide; handy to use, cheap to buy, and does the work quickly.

15 oz. package . . . . $0.25 Postpaid . . . . . . . . $0.30
48 ......... 50 . . . . . . . . . 100 ......... 100 Express paid . . . . 2.00

PIGEON FOOD.

Canada Field Peas, quart. 10c.; peck, 40c.; bushel, $1.25.

Buckwheat, quart, 10c.; peck, 40c.

Hemp Seed, pound, 8c.; 4 pounds, 35c.; peck, 50c.
Dandy Green Bone Cutters.
This is one of the simplest and best cutters made.
Has automatic feed. Can be changed to cut coarse
or fine.

$10.00

No. 1 $10.00
No. 2 $12.00
No. 3, for hand and power........... $18.00

OUR NO. O DANDY.
This is a splendid machine for the money. The
knives are made of the best tool steel and finely
tempered.
Price, with Balance Wheel........... $7.00
Price, without Balance Wheel...... 5.00

Wilson's Crown Green Bone Mill.
This machine is especially made for cutting
Green Bone with meat on, right
from the butcher, or offals of bone and
meat from the table. The knives can
be taken out when dull, sharpened and
replaced in a few minutes.
Turns easy, fine and fast.
With stand............................. $8.00
Without stand......................... 6.50

THE DAISY BONE MILL
With stand...$15.00 Without....$12.00

Wilson's Bone and
Shell Mill.
No. 1—Grinds oyster or
clam shells and dried
bones, and is an excel-
ment mill and largely
used. Will also grind
corn.
Price, $4.00.

No. O—FOR GRAIN ONLY.
An excellent mill for grinding grain
of all kinds.
Price................................. $4.00

Mann's Bone Cutters.
No. 1 Bone Cutter, with Crank...... $5.00

" 2 " " Balance Wheel.............. 10.00

" 3 " " Balance Wheel, with Stand... 12.00

We recommend the balance wheel, as its
momentum assists in cutting, and makes
it run easier and better.

Mann's Granite Grit.
Per 100 lbs...$1.00
Per 500 lbs.... 4.50

Nest Egg Gourd.
These exactly re-
semble the eggs of
hens, making a capi-
tal nest egg; superior
to glass eggs, as they
do not break, and are
uninfused by cold or
wet. The plant
is a rapid growing
climber.
Pkt........... 5 cts.
8 pkts........ 25c

Porcelain Nest Egg.
The best and cleanest nest egg used.
Each...5 cts.
Dozen.....25 cents. By mail.....50 cts.

French Poultry Killing Knife.
The most expeditious
and humane way of kill-
ing and dressing poul-
try is by the French
method. These knives are made of the finest steel.
Price, with instructions............ 50 cts. each

Leg Bands.
(For Marking Fowls.)
Price..................50 cents per dozen

Gape Extractor.
Price..................25 cents each.

Poultry Marker.
This little instrument is used for marking
young and old chickens. It is invaluable to
breeders and farmers. They are made in two
sizes for large or small chicks, nickel-plated,
have steel cutter and spring, and are made small and
neat to carry in the vest pocket.
Sent by mail on receipt of price.
Price..................25 cts. each.

Capon Tools—How to Caponize.
Every poultry man
knows that Capons are
much larger fowls,
sweeter and finer meat
and sell at a much high-
er price than others.
You can do your own
caponizing easily, and
our book sent with each
set tells all about it.
Sent free with the set of
instruments.
Price, with Leather Case....$2.75

Drinking Fountains.
GALVANIZED FOUNTAINS.
No. 1, 2 qts., 35c. $3.50 doz.
No. 2, 4 qts., 35c., $6.00 doz.
No. 3, 8 qts., 75c., $7.00 doz.

Baltimore Fountains.
EARTHENWARE.
1 qt., 25c..................$2.50 doz.
4 qt., 35c.................. 4.50 doz.

ALL KINDS OF REPAIRS ON HAND.
Prairie State Incubators and Brooders.

The largest poultry brooders and the largest duck raisers in the United States, if not in the world, use our machinery exclusively, many of them having 10, 20, 30, 40, and as high as 50 machines in use. Have been awarded first premiums in the strongest competition. Prices are reasonable and within the reach of all. Every machine warranted. Incubators made in all sizes. Special Duck machine for duck raisers, indoor and outdoor brooders of the latest and most improved pattern. Address

GRIFFITH & TURNER CO.,
Baltimore, Md.

The Prairie State Hot Air Brooder.

(Self-regulating Top and Bottom Heat.)

This Brooder is intended for indoor work only. They will do the work satisfactorily, and as they are well made and finely finished, can be placed in any building, or moved from one place to another.

Incubator Thermometers.

Special tested thermometers, postpaid, 60c. each.
New standing, 75c.

HYGROMETER.

This is a valuable instrument, for incubator use, and also for ascertaining the amount of moisture in the air of the living room. Price, $1.25.

Best in the world. All iron and steel. Cuts green or dry fine, even and easy.

Price $9.00.

Price, with Legs $10.00.

The Webster Clover Cutter.

This is just the thing for small poultry yards. Does nice work.

Price $3.50.

These are light yet strongly made, and are furnished with cardboard divisions for the eggs. Each division is large enough to allow for convenient packing with "Excelsior" or other material, thus making the eggs absolutely secure when shipped by express. Sizes: One and two sittings, furnished with strong wood handles for each basket. A cardboard cover, printed in bold letters, "Eggs for Hatching—Handle with Care," goes with every basket. One-sitting complete, 20 cents each, $2.00 per dozen; two-sittings complete, 25 cents each, $2.50 per dozen.

The Wire we offer is all No. 19, double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 100 running feet.

Prices, 2-inch mesh:

<table>
<thead>
<tr>
<th>Width (in.)</th>
<th>Per bale</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>$3.70</td>
</tr>
<tr>
<td>13</td>
<td>$3.75</td>
</tr>
<tr>
<td>14</td>
<td>$3.80</td>
</tr>
</tbody>
</table>

Prices for less quantity, 3-4 cents per square foot. Staples for fastening, 10 cents per lb.
FERTILIZERS.

The application of Fertilizers has been a topic much discussed among farmers generally. The quality 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 have been at great pains and expense to produce a line of Fertilizers to meet these various requirements. The greatly increased demand, and the reports of excellent results from the use of our different brands, testify to the quality of the goods.

We challenge a trial by the side of any other Fertilizer on the market, the conditions being the same, and we do not fear the result.

Ammoniated Alkaline Plant Food.

A TOBACCO FERTILIZER.

Our old stand-by for summer crops adds new customers to the list every year; is used largely on Potatoes, Corn, Tobacco and other summer crops, stands the hot, dry weather particularly well. This brand has given most excellent satisfaction on Potatoes and Tobacco, and is used probably more for these than any other crop.

Price..............$22.50 per ton.

Animal Bone Phosphate.

Made principally from Animal Bone, Potash and Ammoniates in proper proportion. A complete manure always gives good results. Specially adapted to the growth of Peas, Cabbage, Wheat and Grass—in fact, it contains all of the ingredients necessary to supply what may be lacking in the soil for almost any crop.

Price..............$28.00 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 canning purposes; a good article at a low price; greatly increased sales testify as to its quality.

Price...............$22.50 per ton.

Ground Bone.

Absolutely pure; ground very fine; every report gives this article a very high analysis, and in almost every case it has analyzed nearly 5 per cent. of Ammonia and 50 per cent. of Bone Phosphate. The great objection to the use of Pure Bone (the price) no longer prevents its use by any one wanting to restore worn-out land.

Price...............$28.00 per ton.

Soft Ground Bone.

Made from softer material than the regular "Ground Bone," and contains some little meat and blood. The fact that the soft bone is not absolutely pure on account of its containing the above, has led different parties to put brands on the market which do not compare in any way with this brand; it acts quickly, and at the same time is a good article of plant food. Try it and be convinced.

Price...............$27.00 per ton.

Dissolved Bone.

Made from stock containing some meat, thoroughly dissolved, and in fine drilling condition. Farmers wishing a fertilizer for immediate action will find in this brand a reliable manure of good value, and one whose good effect can be seen for a long time.

Price...............$27.00 per ton.

Ammoniated Soluble Bone.

Made for our Pennsylvania trade exclusively, where it is well and favorably known.

Price..................$20.00

Special Mixture.

A new brand introduced by us this year; a complete Fertilizer, containing Ammonia, Potash and Available Phosphoric Acid in proper proportions.

Price..................$17.00
Soluble Bone Phosphate.

A good, cheap Fertilizer. There is such a difference of opinion as to the chemical action of Fertilizers that no line of goods would be complete without a brand of this kind. Quite a number of chemists claim that Ammonia adds very much to the cost of Fertilizers without being of much agricultural value; that is, sufficient Ammonia can be obtained from the atmosphere, etc. Whether or not this theory is correct, quite a number of people have used our Soluble Bone with very satisfactory results. (To supply such a trade we offer the above. Price, $15.00 per ton.

High Grade Acid Phosphate.

Best grade of S. C. Phosphate, thoroughly dissolved and in good, dry condition. Price, $11.00.

Land Plaster.

In bags of 200 lbs. each. 90 cents per bag. $7.50 per ton.

Kainit.

Containing about 25 per cent. Muriate of Potash. In bags of 200 lbs. each. $1.50 per bag; $12.50 per ton. Price, subject to change.

Peruvian Guano.

10 per cent. goods. In bags of 167 lbs. each. $5.00 per bag. Price subject to change.

Tobacco Bed Fertilizer.

This brand is specially well adapted for use on tobacco beds, containing 10 per cent. of Ammonia and a large percentage of Potash and Phosphoric Acid. A most excellent substitute for Peruvian Guano. In bags, 167 lbs. $4.00 per bag. $45.00 per ton.

Nitrate of Soda.

Is very quick in its action, and forces from 10 days to 2 weeks. Should be used after plants have gotten a good start; is very soluble, and 200 to 250 pounds to the acre is a good dressing; application should be made in connection with plaster or some similar article. $3.00 per 100 lbs. when taken in bag lots. Price subject to change. Special prices in quantities.

Muriate of Potash.

Contains about 80 per cent. of Muriate; is specially adapted for rejuvenating old, worn-out soils, which, when used in connection with other ingredients, makes a good potato fertilizer.

In large peach-growing sections, it is found that a liberal application of, say 250 lbs. per acre, acts like a charm, causing the trees to green up and giving them altogether new life. Where this Fertilizer is used, we hear less of the disease known as Yellow. We make special mixtures, containing the above for use in peach orchards. 3 cents per lb., subject to change. Special prices in quantities.

Ground Tankage.

In good, dry condition, and ground fine. Price, $25.00 per ton, subject to change.

Fine Ground Fish.

Contains a large percentage of Ammonia. A very desirable form, quick in action. Price, $30.00 per ton, subject to change.

Pulverized Sheep Manure.

This is purely a natural 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 six-sevenths soil. It is invaluable for use in a vegetable garden. Most persons using it prefer to apply it in the hill or drill, as it comes into more immediate contact with the plant, causing a rapid and steady growth until maturity. As a top dressing for lawns, it is unequalled. Price, 5 lbs., 25c.; 10 lbs., 40c.; 20 lbs., $1.00; 50 lbs., $1.50; 100 lbs., $2.50.

Bone Flour.

(Made Especially for Florists and Gardeners.) This flour is passed through a thirty-mesh screen, and is consequently exceedingly fine, and in addition to this, it is the pure Bone, containing no foreign matter at all. Write for sample. Price, $4.00 per bag of 167 lbs.

Coarse Ground Bone for Chickens.

Prepared from selected stock. 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., $1.00; $2.25 per 100 lbs.

Bone Flour for Little Chicks.

Absolutely pure and sweet. 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., $1.00; $2.25 per 100 lbs.
GRAY MINERAL ASH.

Kills all kinds of Insects—Potato Bugs, Squash Bugs, Red Spider, Caterpillars, Bed Bugs, Ants, Roaches—and yet not injurious to those who use it.

Directions:—Do not put the Ash in cold water. Take half pound, sift in one gallon boiling water, stirring all the time: keep it boiling ten minutes longer, then pour into four gallons boiling water. This solution is strong enough for potato vines.

Price, quart, 50 cents; 2 pounds, 35 cents; 5 pounds, 75 cents; 10 pounds, $1.25.

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 from other Flies. Gnats and Insects of every description for at least twenty-four hours. It improves the coat of the animal and abolishes the use of fly nets.

Price, quart, 50 cents; half gallon, 90c.; gallon, $1.50.

BORDEAUX MIXTURE.

A valuable and indispensable fungicide for grape growers, thereby insuring larger crops and finer grapes, and preventing failure. A sure cure and preventive for black rot, mildew and rust; also of great value for other plants with kindred diseases. By express or freight only. One pound box makes 5 gallons spray; 10 pounds, 50 cents; 50 pounds, 25 cents.

Per gallon can, $1.25.

PERSIAN POWDER OR BUHACH.

A most effective non-poisonous impalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphids, and almost all kinds of insects. It is very effective, suffocating them by filling up the breathing pores.

Price, per pound, 40 cents; by mail, 55 cents per pound.

DRY—Fly powder, with a bellows or gun.

SOLUTION—Dissolve 1 ounce in 3 gallons of water, and apply with syringe or pump.

SLUG SHOT.

A non-poisonous powder, and a very popular Insecticide—will not further mix in preparation—easily applied, and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effective in destroying potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc.

It will be necessary, however, to apply it occasionally, for it does not kill the eggs or prevent them from hatching. The best time to apply it is early in Saint or Currant Worms, etc., for potato bugs, as they do not feed during the night.

Apply with duster, bellows or gun. Ten to forty pounds is sufficient for an acre.

Ten pound packages, each, 45 cents; 5 pound packages, 25 cents. 25 lbs. $1.00.

LONDON PURPLE.

Very poisonous and equally as efficacious as Paris Green, and more soluble in water. Use in the same way as Paris Green.

1 pound, 25 cents; 10 pound lots and over at 20 cents per pound.

If by mail, add 15 cents per pound for postage.

WHALE OIL SOAP.

Makes an elegant wash for trees and plants, kills insects on trees and bark; also destroys slugs on roses.

Cake, 10 cents; pound, 15 cents.

Large quantities at special prices.

PURE WHITE HELLEBORE.

The cheapest and best preparation for destroying Rose Slugs, Currant Worms, etc., for potato bugs, etc.

Quarter pound, 10 cents; pound, 35 cents. By mail, 50 cents.

LEMON OIL.

This new insecticide has had for some time a marvelous success in England; perfectly safe and harmless to the tenderest foliage and roots. It effectually destroys many bugs by spraying or dipping. It also destroys scale, thrip, red spider, black and green fly, caterpillar, American blight, mildew, etc.

Half pint, 25 cents; pint, 40 cents; quart, 75 cents; half gallon, $1.25; gallon, $2.00; 5-gallon kegs, $9.00.

FLOWERS OF SULPHUR.

For the prevention and destruction of mildew on roses and other plants.

Apply with bellows or gun.

Quarter pound, 10 cents; pound, 30 cents. By mail, 15 cents extra for postage.

PARIS GREEN.

Quarter pound, 10 cents; pound, 30 cents. By mail, 15 cents extra for postage.

Tobacco Stems.

Largely used by market gardeners for destroying the cabbage fly and for potting plants. One gallon will make 35 lbs. of solution. A gallon costs $5.00.

Price, pint cans, $1.50.

Vaporizing Pans, for above, 30 cents; iron, 50 cents per set; 1 pan, 3 irons and 1 hook, $3.00.

THYMO-CRESOL OR SHEEP DIP.

In cans, per gallon, $2.00; half gallon, $1.25; quart, 45 cents; half ounce bottles, 50 cents; 4 ounce bottles, 25 cents.

CRESCENT LAWN SPRINKLER.

This is compactly and strongly made. Will cover a surface of 30 feet in diameter. As it has a free and unobstructed channel there is no danger of clogging with dirty water, and will accomplish as good results as the more expensive Sprinklers. It has given splendid satisfaction.

Price ................... $1.50

ECLIPSE SPRINKLER.

This is the cheapest and one of the most effective sprinklers made. The distribution of water is perfect.

Price, 25 cents.

HUSTLER LAWN SPRINKLER.

A first-class article at moderate cost.

Price, 75 cents; price, by mail, 60 cents.

Gem Nozzle Holder, 25 cents; by mail, 30 cents.

THE MYSTIC LAWN FOUNTAIN.

Throws either whole or half circle by simply turning thumb piece. The sled enables the sprinkler to be moved about the lawn by the hose. The wings will not choke or clog, and revolve with very little pressure.

Price, $1.00.
Florist and Garden Supplies.

**POT LABELS.**

<table>
<thead>
<tr>
<th>Size</th>
<th>Price Per 100</th>
<th>Price Per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>3½ inch</td>
<td>$0.45</td>
<td>$6.75</td>
</tr>
<tr>
<td>4 inch</td>
<td>$0.60</td>
<td>$9.00</td>
</tr>
<tr>
<td>6 inch</td>
<td>$1.00</td>
<td>$15.00</td>
</tr>
<tr>
<td>6½ inch</td>
<td>$1.00</td>
<td>$15.00</td>
</tr>
<tr>
<td>8 inch</td>
<td>$1.00</td>
<td>$15.00</td>
</tr>
</tbody>
</table>

**PAINTED TREE LABELS.**

<table>
<thead>
<tr>
<th>Size</th>
<th>Price Per 100</th>
<th>Price Per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>3½ inch</td>
<td>$0.75</td>
<td>$11.25</td>
</tr>
</tbody>
</table>

**UNPAINTED STAKES OR DOWELS.**

<table>
<thead>
<tr>
<th>Size</th>
<th>Per Doz.</th>
<th>Per 100</th>
<th>Per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 inch</td>
<td>$0.15</td>
<td>$7.50</td>
<td>$45.00</td>
</tr>
<tr>
<td>42 inch</td>
<td>$0.20</td>
<td>$8.50</td>
<td>$50.00</td>
</tr>
<tr>
<td>24 inch</td>
<td>$0.25</td>
<td>$1.25</td>
<td>$6.50</td>
</tr>
</tbody>
</table>

**LIGHT PLANT STAKES.**

<table>
<thead>
<tr>
<th>Size</th>
<th>Per Doz.</th>
<th>Per 100</th>
<th>Per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½ feet</td>
<td>$0.50</td>
<td>$2.50</td>
<td>$15.00</td>
</tr>
<tr>
<td>2 feet</td>
<td>$0.65</td>
<td>$3.25</td>
<td>$20.00</td>
</tr>
<tr>
<td>3 feet</td>
<td>$0.85</td>
<td>$4.25</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

**HEAVY OR DAHLIA STAKES.**

<table>
<thead>
<tr>
<th>Size</th>
<th>Per Doz.</th>
<th>Per 100</th>
<th>Per 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 feet</td>
<td>$0.95</td>
<td>$4.75</td>
<td>$29.00</td>
</tr>
<tr>
<td>4 feet</td>
<td>$1.00</td>
<td>$5.00</td>
<td>$30.00</td>
</tr>
<tr>
<td>5 feet</td>
<td>$1.00</td>
<td>$6.00</td>
<td>$35.00</td>
</tr>
</tbody>
</table>

**CANES.**

5 to 7 feet long | Per 100 | $0.75 |
Per 1000 | $6.00 |

**BRASS GARDEN SYRINGES.**

Our syringes are the best made.

**MASTICA FOR GLAZING.**

Greenhouses, Sashes, etc., new and old. It is Elastic, Adhesive and easily applied; it is not affected by dampness, heat or cold.

*Mastica,* 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 remains in a soft, pliable and elastic condition for years. *Mastica* is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of relaying the glass.

Price, quart, 55c.; 1-2 gallon, 60c.; gallon, $1.00.

**ACME POWDER GUN.**

Price .. $1.00.

Is a simple, practical instrument for exterminating all kinds of Insects, Bugs, Flies, etc., etc. Will last a lifetime, and every farmer should have one. It will handle all insecticides in the dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant and Grape Sprays, and is invaluable for the wholesale destruction of house flies, using freshly ground insect powder, cannot be excelled.

For Potato Bugs, only requires the usual amount of Paris Green, and does its work easily, quickly and well.

Acme Powder Gun is well made, constructed with a solid hardwood head block, hardwood handles, best leather for the bellows (an extra elbow is furnished to tilt the funnel for getting under leaves of plants and shrubs), and is well finished throughout.

**LIQUID ATOMIZER.**

Price .. 75c.

For spraying Paris Green and other insecticides on Potato Plants, Shrubs, Small Trees, House Plants, Live Stock and Poultry. A great labor-saver on every farm, and in every garden, barn, greenhouse, or orchard and hennery. It will apply the finest possible spray on any object desired, and exterminate any kind of insect life. Will not corrode. Easily filled, easily emptied. Once full will go over 600 to 800 bills of potatoes.

For Potatoes: Put one rounding tablespoonful of poison into the can; fill with water and thoroughly agitate; should action of valve become weakened from wear, take out the two screws at end of tube; draw out plunger and wrap twine around bevel edge of wood washer, spreading leather with fingers; keep plunger well oiled; funnel is for filling only.

**PLANT SPRINKLERS.**

Price .. $0.90
Price by mail .. 1.00

**PUTTY BULBS.**

Price .. $0.90
Price by mail .. 1.00

**VAN REYPER’S GLAZING POINTS.**

The finest glazing points on the market; the glass cannot slip; they are quickly and easily put in with special pincers; no "rights and lefts" to bother with.

Price, per box of 1,000, 50c.; or by mail, 75c.

Price, in lots of 5,000, by express, 55c. per 1,000.

Pincers, price per pair, 50c., or by mail, 60c.

ALL KINDS OF HARROW REPAIRS ON HAND.
THERMOMETERS.

- Tin, Japanned, 7-inch: $3.15
- Boxwood, fine finish, red spirit: $1.00
- Plain metal, brass finished: $0.50
- Dairy or hotbed, glass, floating: $0.25
- Eight-inch Dairy, stands boiling water: $0.50
- Mushroom bed, or hot-bed, with brass end: $1.00
- Mushroom bed, or hot-bed, with brass end, extra good: $1.50
- Porcelain scale, red spirit: $1.00
- Incubator Thermometer: 75c.

The Model Mole Trap

This, while possessing all the good qualities of other traps is especially adapted for setting under glass.

Price: $1.75.

Our New Mole Trap

This is a good Mole Trap for the money.

Price: $1.00.

IRON-CLAD WATERING POTS.

- With Adjustable Nozzles:
  - 4-quart: $0.90
  - 6-quart: 75c.
  - 8-quart: 75c.
  - 10-quart: $1.00
  - 12-quart: 1.25c.
  - 16-quart: 1.50c.
- Special for Florists’ use:
  - Tin, 75c. and 2c.

DIBBLES.

For transferring Plants. By far the best thing for the purpose ever introduced.

- Straight, made of Tubular Steel: $1.00
- Right Angle Shape, Steel Polished, Wood Handle: 35c.

The New Garden Implement, CLEVES’ TROWEL.

No. 1—“STANDARD” 8-in. blade, 40c.; mailed, 50c. each.
No. 2—“MEDIM” 7-in. blade, 30c.; mailed, 40c. each.
No. 3—“DAISY” 8-in. blade, 30c.; mailed, 25c. each.

For the Lawn—a Plantain Digger. For the Greenhouse—a Transplanter. For the Conservatory—a Cultivator. For the Garden—an all round handy digger. TRY IT.

This cut represents one of the best Trowels ever offered to the trade. It is made of forged steel, strong and durable.

- 6-inch: 50c.
- 7-inch: 50c.
- Cheap Wood-handle Trowels, 5 and 10 cts. each.

If trowels are wanted by mail, send 10 cents additional for postage.

EUREKA HAND WEEDER.

A very handy and useful little instrument.

Price, 25c. each. Price, with long handle, 35c.

RAFFIA.

The best material for tying plants, vines, etc.

Per lb.: 15c.; 10 lbs. $1.35.

SILKALINE, spool: 30c.

Hotbed Mats, made of strong Burlap, interlined with wool, 75c. each.

Unglazed Hotbed Sash—Each: 75c.

PATENT PLANT BED CLOTH.

A cheap substitute for glass, and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application.

- Light grade, 5c. per yard. Per piece of about 65 yards, 41-2c. per yard. Medium grade, 81-2c. per yard. Per piece of about 60 yards, 5c. per yard. Heavy grade, 12c. per yard. Per piece of about 45 yards, 10c. per yard.

GARDEN BOXES—20, 25, and 50 cents each.

Fruit Picker.

Price: 50c.

This Lantern has the lift wire attachments and guard, and is desirable for hand service. Made in bright Tin, Brass or Copper. Can be filled, lighted, regulated and extinguished without removing globe. Price: 50c.

Excelsior Weeder.

Price: 10c.

Mailed: 15c.

All Steel Trowel.

Very strong and durable.

Price: 15c.

Full tinned Malleable Trowel.

Price: 10c.

Garden Reels.

Price: 75c. to $1.25.

Large Hand Weeder

Large size: 35c.
Small size: 15c.
By mail, 10c. extra.

Gibbs’ Post Hole Digger.

The best post hole digger made. $1.50.

Steel Hollow Handle Post Spade.

Flattened at one end like a spade. The other end is sharpened, and can be used as a crowbar. Light, durable effective, cheap.

Price: $1.50.

ALL KINDS OF MACHINERY REPAIRED.
Horticultural Tools.

**HAND PRUNING SHEARS.**

No. 1—Malleable Pruning Shears, with Steel Blade $4.00
No. 2—Malleable Pruning Shears, with Steel Blade $5.00
8-1/2 inch. Solid Steel Pruning Shears 75c.
9 inch. Solid Steel Pruning Shears 1.00
Full Polished Pruning Shears 1.25
Ebony Handle Draw Cut Pruning Shears 2.00
6 inch. Nickle-Plated Ladies’ Flower Shears 75c.

**LOPPING SHEARS.**

Baltimore Draw Cut Lopping Shears $2.50
American Shears, No. 1 1.00
American Shears, No. 2 1.25

**HEDGE SHEARS.**

8 inch... $1.25
9 inch... 1.50
10 inch... 1.95
12 inch... 2.25

With Notch, 25 cts. extra.

**SHEARS AND SCISSORS.**

Horse Shears and Scissors... 50c., 60c., $1.25
Sheep Shears... 50c., 75c., 1.00
Grass Shears... 50c., 75c., 1.00

**FLOWER SCISSORS... 75c.**

**GRAPE SCISSORS... 65c.**

5 cts. extra for postage.

**SCUFFLE HOES.**

4 inches...... 50c.
6 inches...... 60c.
8 inches...... 70c.
10 inches..... 85c.

**HORSE RADISH GRATER.**

Price, with Perforated Tin Cylinder $6.50
Price, with Steel Pin... 7.50
Machine for Power...... 10.00

**ASPARAGUS KNIFE.**

Made of Solid Steel... 30c.
By mail... 40c.

**ASPARAGUS BUNCHER... $1.50**

Grindstones Mounted.

No. 1...... $3.50
No. 2...... 3.00
No. 3...... 2.00

**EDGING KNIVES.**

9 inch. American... $5.00
10 inch. American... 9.00
8 inch. English... 1.00
9 inch. English... 1.25

**PRUNING KNIVES.**

Prices 50c., 75c., $1.00

**BUDDING KNIVES.**

Price...... No. 12, 75c.; No. 10, $1.00

**LIGHTNING HAY KNIFE.**

Price...... $1.00

**SCYTHES.**

American... 50c.
Best American... 75c.
Bush or Brier Scythes... 65c.
English T. Waldron, 36, 38 and 40-inch... 1.25
Snath or handle... 40c., 50c., 60c.

**GRASS HOOKS**

American... 25c.
Draw Cut... 40c.
German... 35c., 50c., 45c.
Best English... 45c., 50c.
Best English Hedge Hook... 90c. to 75c.

**GRASS EDGER.**

Price, without wheel... $3.25
Price, with wheel... 3.75

**SCYTHE STONES.**

Price, 5, 10, 15 and 30c.

**WATERS’ TREE PRUNERS.**

4 feet long...... $7.50
6 feet long...... 8.50
8 feet long...... 1.00
10 feet long...... 1.15
12 feet long...... 1.25
Extra Knives, 20c.

**WATERS IMPROVED TREE PRUNER.**

**PRUNING SAWs.**

16 inch...... 60c.
18 inch...... 75c.
20 inch...... 70c.
Saw and Chisel combined... $1.00

**TELEGRAPH TREE PRUNERS.**

Price, without pole... $1.00

---

All kinds of machinery repaired.
HOW AND WHEN TO SPRAY.

<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, bud moth, scab)</td>
<td>Spray before buds start, using 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>When blossoms appear, spray with Bordeaux.</td>
<td>If worms or aphides are present, repeat if necessary.</td>
<td>If aphides persist, or if worms reappear, use kerosene emulsion.</td>
<td>Repeat last if necessary.</td>
<td>Repeat if necessary.</td>
</tr>
<tr>
<td>Cabbage—(Worms, aphids)</td>
<td>When worms first appear. Kerosene emulsion, or Paris green.</td>
<td>When plants out, dip in Bordeaux.</td>
<td>Repeat at intervals of a week or ten days until blossoms open.</td>
<td>When worms still trouble, petroleum or heptolite.</td>
<td>If mildey persists after crop is gathered, Bordeaux.</td>
</tr>
<tr>
<td>Carrot—(Rust and other fungous diseases)</td>
<td>When plants out, dip in Bordeaux.</td>
<td>Before buds start, use copper sulphate solution. For aphids, kerosene emulsion.</td>
<td>Before first leaves are half grown, Bordeaux.</td>
<td>If rust persists, use very weak copper sulphate solution every 5 to 7 days.</td>
<td>If necessary, very weak copper sulphate solution.</td>
</tr>
<tr>
<td>Cherry—(Rot, aphid, currulio and slug)</td>
<td>As soon as worms are seen Paris green.</td>
<td>As leaves open, Bordeaux and Paris green.</td>
<td>As soon as fruit has set, Bordeaux and Paris green.</td>
<td>Bordeaux or copper sulphate solution, weak.</td>
<td>Bordeaux or copper sulphate solution, as is necessary.</td>
</tr>
<tr>
<td>Grape—(Pine-beetle, fungous diseases)</td>
<td>Before buds burst, copper sulphate solution.</td>
<td>Before buds burst, Bordeaux.</td>
<td>When bees or their larvae appear, Paris green (1 pound to 100 pounds of plaster).</td>
<td>When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.</td>
<td>Black knot on cherries and plums, cut out and destroy by burning the diseased parts as soon as discovered. For APHS on all plants use kerosene emulsion.</td>
</tr>
<tr>
<td>Nursery Stock—(Fungous diseases)</td>
<td>When beets or their larvae appear, Paris green.</td>
<td>When bees or their larvae appear, Paris green.</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>When blight of the leaves is accompanied by rot of the tubers, Bordeaux.</td>
<td>If red rust appears the entire stock should be cut out and burned.</td>
</tr>
<tr>
<td>Peach, Apricot—(Leaf, currulio, mildew and rot)</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.</td>
</tr>
<tr>
<td>Pear—(Leaf blight, scab, psylla and currulio)</td>
<td>Before buds burst, copper sulphate solution.</td>
<td>Before buds burst, copper sulphate solution.</td>
<td>Before buds start, copper sulphate solution.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Young Plants should be sprayed with Bordeaux mixture, if disease is present.</td>
</tr>
<tr>
<td>Plum—(Black knot, rot and all fungous diseases, currulio)</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>As soon as fruit has set, Bordeaux and Paris green.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Special Notes.</td>
</tr>
<tr>
<td>Potato—(Beetles, scab, blight)</td>
<td>Within a week after blossoms fall, Bordeaux and Paris green.</td>
<td>Within a week after blossoms fall, Bordeaux and Paris green.</td>
<td>Within a week after blossoms fall, Bordeaux and Paris green.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>For black knot on cherries and plums, cut out and destroy by burning the diseased parts as soon as discovered. For APHS on all plants use kerosene emulsion.</td>
</tr>
<tr>
<td>Quince—(Leaf and fruit spot, rot)</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>When fruit has set Bordeaux and Paris green.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>If red rust appears the entire stock should be cut out and burned.</td>
</tr>
<tr>
<td>Raspberry, Blackberry—(Anthracnose, rust)</td>
<td>When new canes are one foot high, spray with Bordeaux mixture.</td>
<td>When new canes are one foot high, spray with Bordeaux mixture.</td>
<td>When new canes are one foot high, spray with Bordeaux mixture.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.</td>
</tr>
<tr>
<td>Rose—(Mildew, black spot, red spider, aphids)</td>
<td>Black spot: Spray plants once a week with weak copper sulphate.</td>
<td>Black spot: Spray plants once a week with weak copper sulphate.</td>
<td>Black spot: Spray plants once a week with weak copper sulphate.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.</td>
</tr>
<tr>
<td>Strawberry—(Rust)</td>
<td>Just before blossoms open, Bordeaux and Paris green.</td>
<td>Just before blossoms open, Bordeaux and Paris green.</td>
<td>Just before blossoms open, Bordeaux and Paris green.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.</td>
</tr>
<tr>
<td>Tomato—(Rot and blight, worms)</td>
<td>When first fruits have set, Bordeaux and Paris green.</td>
<td>When first fruits have set, Bordeaux and Paris green.</td>
<td>When first fruits have set, Bordeaux and Paris green.</td>
<td>10 to 30 days later, Bordeaux.</td>
<td>Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.</td>
</tr>
<tr>
<td>Violet—(Blight, red spider)</td>
<td>When blight is first seen, weak copper sulphate. Kerosene emulsion for insects.</td>
<td>When blight is first seen, weak copper sulphate.</td>
<td>When blight is first seen, weak copper sulphate.</td>
<td>Repeat at intervals of 10 to 20 days, if necessary for blight.</td>
<td>Young Plants should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.</td>
</tr>
</tbody>
</table>

EXPLANATION.—Whenever an asterisk (*) is used it cautions against spraying with poisons while the plants are in blossom; a dagger (†) indicates that there is danger of making an application within three weeks of the time the fruit is to be used as food. While the number of applications recommended will be found desirable in seasons when the fungi are particularly troublesome, a smaller number may often suffice.

FUNGICIDES.

COPPER SULPHATE SOLUTION.

<table>
<thead>
<tr>
<th>Copper sulphate</th>
<th>1 lb.</th>
<th>10 to 14 days later, repeat.</th>
<th>10 to 14 days later, Bordeaux or weak copper sulphate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water.</td>
<td>100 g.</td>
<td>Repeat last if necessary.</td>
<td>Repeat last if necessary.</td>
</tr>
</tbody>
</table>

Water (1 barrel)............................................................................40-60 gals.

For use late in the season when Bordeaux mixture may stain the fruit. It is also best adapted for green-house spraying.

INSECTICES.

KEROSENE EMULSION.

<table>
<thead>
<tr>
<th>Kerose (coal oil)</th>
<th>2 gals.</th>
<th>10 to 14 days later, Bordeaux or weak copper sulphate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rain water</td>
<td>2 1/2 lb.</td>
<td>Repeat last if necessary.</td>
</tr>
</tbody>
</table>

To be diluted before use with 2 parts of water. For sucking insects.

PARIS GREEN AND WATER.

<table>
<thead>
<tr>
<th>Paris Green</th>
<th>1 lb.</th>
<th>Repeat last if necessary.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lime (fresh)</td>
<td>1 lb.</td>
<td>Repeat last if necessary.</td>
</tr>
</tbody>
</table>

For insects which eat foliage.

BE SURE TO READ THIS PAGE.
Bucket Brass Spray Pump and Fire Extinguisher

WITH AGITATOR.

This spray pump is constructed entirely of brass, a material that is not affected by the poisonous arsenates used in different formulas to kill fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up.

It is provided with a large air chamber, and has a ball valve at the bottom between the cylinder and the air chamber, whereby the pressure is held uniformly in the air chamber and on the hose so that the nozzle always throws a continuous spray and is not affected by the movement of the plunger.

This pump is enabled to keep a constant pressure on the nozzle of from 50 to 100 pounds with very ordinary exertion. It will throw a solid stream 50 feet and is of definite value for washing windows, buggies, and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution from getting mixed and agitated, a feature peculiar to this pump only and a necessary feature to a spray pump.

The pump is also provided with a sprinkler for flowers.

**Price List of Pump shown**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>327</td>
<td>Bucket Brass Spray Pump with Agitator, complete with hose and combination fine, coarse, spray and solid stream nozzle</td>
<td>$3.00</td>
<td>$5.00</td>
</tr>
<tr>
<td>328</td>
<td>Bucket Brass Spray Pump with Agitator, complete with hose, combination fine, coarse, spray and solid stream nozzle and an 8-ft. pipe extension</td>
<td>$6.00</td>
<td>$10.00</td>
</tr>
<tr>
<td>Vermorel or Bordeaux nozzles, each</td>
<td>0.50</td>
<td>1.00</td>
<td></td>
</tr>
</tbody>
</table>

**The G. & T. Prize Brass Spray Pump.**

WITH RETURN STREAM AGITATOR.

WITH BRASS WORKING PARTS AND MALLEABLE IRON FOOT REST.

The Agitator being in the lower valve, stirs the spraying liquid thoroughly, and in addition the strainer is kept free from sediment.

It is furnished with Acme nozzle, and will throw a fine spray or a solid stream.

**PRICE LIST.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 69—&quot;Price&quot; Bucket Spray Pump</td>
<td>$6.00</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

**SPRAY NOZZLES, Etc.**

**THE "BORDEAUX."**

<table>
<thead>
<tr>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.60 cents</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**THE "VERMOREL."**

<table>
<thead>
<tr>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.60 cents</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**COMBINATION NOZZLE AND HOSE COUPLING.**

| Price | .15 cents |

**KNAPSACK SPRAY PUMPS.**

The tank holds five gallons, is fitted with lid and strainer, which can be removed.

The handle lever is the air chamber, barrel valves, solid plunger and agitator.

It is so arranged that no water can drip on the operator. The pump can be removed easily and is fitted with handle so the operator can use it the same as our tank with bucket pump.

**Price.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 330—Fitted with 5 feet of 3-f inch hose, pipe extension and Bordeaux spray nozzle, which can be graduated from a fine mist to a solid stream</td>
<td>$5.00</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Any other nozzle furnished with these pumps when ordered.

**THE PERFECT KNAPSACK SPRAY PUMP.**

Is identical as the above, with the exception that the tank is constructed entirely of copper.

**Price.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 331—Complete, with hose, stop cock, pipe extension and Bordeaux nozzle</td>
<td>$10.00</td>
<td>$16.00</td>
</tr>
</tbody>
</table>

**THE FOUNTAIN SPRAY PUMP.**

*For Spraying Potatoes, Cotton, Trees and Vines with Paris Green, London Purple or any soluble mixture.*

The above cuts represent the Fountain Knapsack, which is constructed of first quality malleable iron, with round ends, built precisely the same as the regular Knapsack with removable strainer and tight lid. It is fitted with adjustable elastic, to be carried on the back, or it can be carried by hand as shown by dotted lines.

It is tappet at both right and left hand lower corners and fitted with brass female ends to which hose is attached, either one or two strings of which may be used at bottom between the cylinder and the air chamber, and the other opening is closed with a metal plug furnished for that purpose.

The Hose and nozzle are made of the best white rubber and nickel plated and are easily removed at the top. The Valve is made of brass and will not corrode; have large openings which permit the free flow of water and shut off instantly when under pressure.

The hose is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown anywhere from one to fifteen feet, as desired, in each stroke, with such a flow that the work can be done quickly and when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that particular purpose.

We furnish this hose and fixtures to be attached to a barrel or tank placed on a wagon. This is desirable when spraying large fields of cotton or potatoes.

**CAUTION.—Always mix Paris Green or London Purple in a separate vessel, forming into a paste before adding the water. In this way everything will be dissolved and will not need to be agitated.**

**Price.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 332—Fountain Knapsack Spray Pump, with one tube, rubber bulb and rose</td>
<td>$3.00</td>
<td>$5.00</td>
</tr>
<tr>
<td>No. 333—Fountain Knapsack Spray Pump, with two tubes, rubber bulbs and roses, to work with both hands</td>
<td>4.50</td>
<td>7.50</td>
</tr>
</tbody>
</table>

Extra tube, rubber bulb and rose | 1.25 | 2.00 |

**Holds 5 gallons, weighs 52 lbs. when full.**

**All Working Parts are Brass.**
"Druid" Ball Bearing Lawn Mower.

The superiority of BALL BEARINGS is now universally conceded. The only requirement being that they must be thoroughly made and perfectly hardened. In the "DRUID"... Lawn Mower we offer a machine that in every respect is equal in workmanship to the highest grade Bicycle.

The Revolving Knives run on twenty-eight 1-1/4 in. cast steel Balls, fourteen at each end. The Ball Races and Adjusting cones are also made from cast steel, and perfectly hardened and ground. As a result, the Mower runs easily, remains in adjustment, and does better work than is possible with parallel bearings, which tend to wear out of true and allow "lost motion" to the knives.

The use of Ball Bearings in a Lawn Mower makes necessary a rigid frame.

The frame of the "DRUID" is constructed with the greatest possible care, and is warranted to hold the cutting edges true and in alignment, though subjected to the hardest use.

In short, the "DRUID" LAWN MOWER is designed for a machine of higher grade than has heretofore been attempted, and is offered as the perfection of Lawn Mowing Machines.

Baltimore High Wheel Mower.

High Grade Machines with Four Blades.

Price, 14 inch, $5.00; 16 inch, $5.50; 18 inch, $6.00; 20 inch, $6.50.

This cut represents the Baltimore Hand Mower. This Machine has an open cylinder, is made strong and durable, and is constructed in such a way as to make it a particularly light running mower; it is made of best possible material, is nicely finished, and a first-class machine in every respect.

The tendency to make cheap goods to sell at a low price has induced a number of manufacturers to make cheap lawn mowers, and the people who buy one very cheap mower rarely ever buy another. A lawn mower should be carefully made and nicely adjusted, in order to do first-class work, and when we consider that the manufacturers of high-class mowers are each year increasing their output, in the face of all the low-priced machines on the market, we feel that there are a number of buyers who will have a good article.

In our line of these goods we do not confine ourselves to the Baltimore exclusively, but carry all of the best known mowers. It may be economy to buy some classes of cheap goods, but, after considering the matter, almost any thoughtful man will at least draw the line at low-priced machinery of any kind. The annoyance of having the machines constantly breaking down, the cost of repairs, and the fact that poor goods will, at best, last but a short time, are worthy of consideration.

Baltimore Regular Mowers, No. 1.

These are similar in construction to the Baltimore High Wheel, except they have 8 in. wheels and three blades.

Price, 10 inch, $3.00; 12 inch, $3.50; 14 inch, $4.00; 16 inch, $4.50; 18 inch, $5.00.

We make a specialty of repairing Lawn Mowers, for which purpose we employ efficient mechanics, and in this way become thoroughly acquainted with the construction of all machines on the market, therefore when you buy a Lawn Mower, be sure to select one for which you can get repairs. The Baltimore is just such a machine.

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.

We make a specialty of repairing Lawn Mowers, for which purpose we employ efficient mechanics, and in this way become thoroughly acquainted with the construction of all machines on the market, therefore when you buy a Lawn Mower, be sure to select one for which you can get repairs. The Baltimore is just such a machine.

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.

If you will be good enough to send a stamped envelope for a Illustrated Circular and Price List, we shall be very glad to oblige you.

Baltimore, July 20th, 1888.

GRANT & TURNER CO.

Baltimore, Md.
Continental High Wheel Mower.

New Pony (or 2-man) Lawn Mower.

There is a two-fold advantage in having a wide cut Mower of this description; it can be used by a man to pull and boy to guide, when early in the spring, the ground being soft, a horse would cut through and make the lawn rough and uneven, and it is constructed so that later in the season it can be used by a pony, with man or boy to guide.

It has a patent rear cut, with a train of gears and patent yielding dead knife, which make it self-sharpening; patent jointed draft irons and a new patent shifting clutch by which the Mower can be thrown out of gear whilst moving from place to place over terraces or lawns. It has a large reel with patent cylinder knives, making it suitable to cut grass 2 to 10 inches high; brass boxes with extra long bearing.

Retail price ................................... $28.00
List price ...................................... 50.00

Grass Catcher.

The only practical . . .

Has the following advantages over all others:
1. Instantly self-adjustable.
2. Instantly self-attachable.
3. Can be instantly detached for dumping grass.
4. Can be instantly replaced.
5. No ears or patent fastenings to get out of place.
6. No bolts to constantly tighten or get out of place.
7. Will fit any make of mower.

Those who have tried to attach a grass catcher and lost numerous bolts and nuts, to say nothing of their tempers, will appreciate our SELF-ATTACHABLE.

Sizes:
No. 1. For Mowers .................................. 12, 14, 16, 18, 20
No. 2. ............................................ 16, 18, 20
No. 3. ............................................ 16, 18, 20
No. 4. ............................................ 16, 18, 20
No. 5. ............................................ 16, 18, 20
No. 6. ............................................ 16, 18, 20
No. 7. ............................................ 16, 18, 20
No. 8. ............................................ 16, 18, 20
No. 9. ............................................ 16, 18, 20
No. 10. .......................................... 16, 18, 20

Pennsylvania High Wheel Mower.

No. 1. For Mowers .................................. 12, 14, 16, 18, 20
No. 2. ............................................ 16, 18, 20
No. 3. ............................................ 16, 18, 20
No. 4. ............................................ 16, 18, 20
No. 5. ............................................ 16, 18, 20
No. 6. ............................................ 16, 18, 20
No. 7. ............................................ 16, 18, 20
No. 8. ............................................ 16, 18, 20
No. 9. ............................................ 16, 18, 20
No. 10. .......................................... 16, 18, 20

Maryland Lawn Mowers, No. 1.

A GOOD MACHINE AT A MODERATE PRICE.

The Ratchet on this machine is simple and positive, having for a pawl a Solid Steel Ball, which works in a pocket in the pinion when the machine is not in motion, and by the action of the pinion when in motion this ball is thrown into a corresponding pocket in the back cap, which locks the two together, thus driving the reel.

THE CUTTER BAR is of solid steel, and has no cast iron parts. The adjustment is from the real, and is perfectly simple. You don't have to turn the mower upside down to adjust it. Having a reel adjustment, the Cutter Bar is bolted firmly to the machine, and therefore holds the mower firmly in line. The Cutter Bar adds strength to the mower instead of weakening it.

All parts are interchangeable and in case of wear or breakage can be at once duplicated.

Diameter of the Ball Wheels, 8-1/4 inches.
Diameter of Wheel, 5-1/2 inches.
Made in 12, 14, 16 and 18 inch sizes.
Painted in Red and Green and decorated in Gold.

Prices:
12 inch .................................... $3.50
14 inch .................................... 2.75
16 inch .................................... 3.00
18 inch .................................... 2.50

Horse Boots,
For Use on Lawn.

Per Set ..................................... $8.00

REPAIRING LAWN MOWERS A SPECIALTY.
The Arctic Lawn Swing and Hammock Combined.

The Arctic Swing and Hammock affords the most comfortable lounging place you can find, and as the backs of the chairs are adjustable, they can be set up as straight or incline at any angle as you wish.

AS A HAMMOCK—By raising the platform to a level with the seats, you have a most comfortable hammock. It is built of the best hardwood lumber, with a carrying capacity of two adults, but is strong enough to carry six children. Handsomely painted in deep red or oak, and nicely varnished.

There is nothing more conducive to an afternoon siesta or a pleasant chat with your best girl, than one of these swings under a shady tree.

Price, Arctic No. 2.............$7.00

Gibb's All-Steel Lawn Rake.

Reversible, heavily tinned.

In this rake there is no opening in front or back of head in which to collect dirt. As can be seen by the shape of the teeth, they run smooth, and will not dig in the sod. The steel head of this Rake is in the form of an egg-shaped tube, with the greatest width in the line of strain, which is the stiffest form possible; and, being closed, will not collect dirt in the head. The teeth being bent at the points, makes the Rake run smooth, and will not tear the sod. By reversing, the double teeth are used for leaves and rubbish.

2 sizes. No. 20—17½ inch head, 20 teeth, 50 cts. No. 22—21 inch head, 24 teeth, 60 cts.

The Boss Garden Rake.

Strong, all steel, tinned, cheap.

No. 18—15 3-4 inch Head, 18 Steel-pointed Teeth....40c.

Boss 6-Tooth Weeder..........................25c.

It is light, well braced, and very durable. Head is of steel, specially formed for stiffness and strength. The teeth are made from tough steel rods, and WILL NOT BREAK, therefore are superior to forged teeth. They are solidly held in place.

The socket is firmly secured to head without rivets or weld. The double Teeth extending above the head are for breaking clods.

It is also well adapted for small lawns as a lawn rake, for stable use, and on gravel walks.

The handles are of selected ash, and all other parts being brightly Tinned, cannot rust or become shopworn.

Richmond Sod Cutter.

This machine is meeting with Great Success with railroad men and others. Parks, lawn and station grounds can be beautified at a low minimum of cost. It cuts the sod of uniform width and thickness, in any length, so that it is particularly adapted to giving solidity to slopes in cuts and on embankments, cutting equally well on line or uneven surface, cut-

this both ways with the land, leaving no sod uncut. Light draft; easily managed; strong, neat and durable. Our machine will cut 30,000 to 40,000 square feet per day, doing the work of 40 men, a saving of $35.00 per 30,000 square feet. Expense saved between cutting by hand and horse power in one day will pay for machine. Full directions for using with each machine.

12 in. machine (horse).........$20.00

14 in. machine (horse)........21.00

Hartman Improved Hitching Post.

Cannot be broken or pulled out.

Made of tubular steel, thoroughly painted. Anchored at the bottom and at the ground level.

These Posts furnished with Weldless Steel Chain and Spring Snap, complete.

Price, complete, $1.50.

Galvanized Steel Picket Flower Guards.

1.14 inches diameter, 24 inches high, $6.50 per dozen, or 30 cents each. 30 inch, high, $6.50 per dozen, 60 cents each.

For Special Flower Guards add $1.00 per dozen for each additional 6 inches in height, and 50 cents per dozen for each additional inch in diameter over nearest smaller regular size.

Automatic Self-Cleaning Lawn Rakes.

With 22 teeth..........................60c.

With 26 teeth......................70c.

Lawn King Rake, with 22 teeth......40c.

A backward motion of the rake from the operator will clean all the teeth at once, thus avoiding the disagreeable task of cleaning the teeth with the fingers. The teeth are made of the best hickory, and will not tear the sod or grass.

REPAIRING LAWN MOWERS A SPECIALTY.
Steel and Wood Rollers. FOR LAWNS AND PARKS.

PERFECT RESULTS FROM PERFECT TOOLS.

Wet soil and grass clippings will not stick to steel as they will to cast iron.

Smooth surfaces and close joints only will perfect lawn, walk or tennis court.

SUPERIOR STEEL HAND ROLLERS.

The sections are made of smooth rolled steel, without projection or roughness of any kind to gather soil or grass.

The axles are of polished machinery steel, and the journal boxes are lathe bored and babbitted to reduce friction.

The handles stand erect automatically. The rims are cushioned to prevent breakage and deaden the disagreeable noise common to ordinary rollers when in use.

PRICE-LIST OF SUPERIOR HAND ROLLERS.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Track</th>
<th>Diameter</th>
<th>Av. wt.</th>
<th>lbs.</th>
<th>Price.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1 Section Track</td>
<td>20 in.</td>
<td>20 in.</td>
<td>250</td>
<td>$14.00</td>
<td>$10.50</td>
</tr>
<tr>
<td>B</td>
<td>2 Sections</td>
<td>20 in.</td>
<td>24 in.</td>
<td>400</td>
<td>$15.00</td>
<td>11.25</td>
</tr>
<tr>
<td>C</td>
<td>3 Sections</td>
<td>24 in.</td>
<td>400</td>
<td>$15.00</td>
<td>11.25</td>
<td></td>
</tr>
</tbody>
</table>

Extra weights, 25 lbs. each, price. $1.25.

Cast Iron Hand Lawn Rollers.

SIZES AND PRICES.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Track</th>
<th>Diameter</th>
<th>Av. wt.</th>
<th>lbs.</th>
<th>Price.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2 Sections, each 1/2 in. face.</td>
<td>10 in.</td>
<td>130</td>
<td>$8.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2 Sections, each 1 in. face.</td>
<td>12 in.</td>
<td>200</td>
<td>$8.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2 Sections, each 1 1/2 in. face.</td>
<td>14 in.</td>
<td>300</td>
<td>$10.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wood Field Rollers.

The “IMPERIAL” is composed of two sets of hollow disk rollers which turn upon a revolving axis, one set being placed directly behind and just in the centre of the other, thereby covering every inch of ground and effectually pulverizing the hardest clods, and at the same time subjecting the ground to a pressure and packing the soil a couple of inches below the surface, enabling it to retain moisture, and at the same time leaving the surface loose, mellow and level, for the reception of the seed, making the most perfect seed bed ever yet obtained. There have been many attempts made to produce a tool that would accomplish this, but they have all failed in certain respects.

Most pulverizers tear up the soil and leave it too loose to retain the moisture, or to allow the roots to obtain a firm hold, while others, in their attempt to pack the soil, will press clods beneath the surface, thereby leaving it in a very undesirable condition for the reception of the seed, as every farmer will readily admit; and if a harrow is put over the field again, all the clods come to the surface and the field is as rough as ever. The “IMPERIAL” thoroughly pulverizes the hardest clods, while at the same time it presses the soil sufficiently to retain the moisture and form a firm bed for the roots of the grain, etc. To obtain the best results, the “IMPERIAL” should be used before and after mowing, and can be used on corn right after coming up, with a very good effect.

The “IMPERIAL” cuts 6 feet wide, weighs 800 pounds. Should that weight not be heavy enough, more can be added when necessary. We can make them to cut 7 and 8 feet, when so ordered.

The draft is about equal to that of a common harrow.

The tongue is so attached to the frame that no weight rests on the horses.

The manner in which the chains are attached, together with the compound movement of the disks and axis, make the “IMPERIAL” by far the easiest pulverizer to “turn” there is on the market.

The chief principle upon which the “IMPERIAL” is constructed is that the application of pressure upon the sides of the hard lumps, and not only the downward force given by Rollers.

ALL KINDS OF MACHINERY REPAIRED.
Combination of Barrel, Truck, Hand Cart, Sprinkler, and Barrel Force Pump.

**Prices.—Less 5 per cent for cash.**

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Truck</td>
<td>$6.75</td>
</tr>
<tr>
<td>Water Truck and Barrel</td>
<td>9.00</td>
</tr>
<tr>
<td>Water Truck and Box</td>
<td>9.00</td>
</tr>
<tr>
<td>Water Truck, Barrel and Box</td>
<td>11.25</td>
</tr>
<tr>
<td>Force Pump Attachment</td>
<td>5.00</td>
</tr>
<tr>
<td>Sprinkling Attachment</td>
<td>$3.00</td>
</tr>
<tr>
<td>Leaf Racks</td>
<td>4.00</td>
</tr>
<tr>
<td>New Barrel</td>
<td>2.25</td>
</tr>
<tr>
<td>Box</td>
<td>2.25</td>
</tr>
</tbody>
</table>

For 34-in. tires on trucks, add to the above prices $1.25.

During the last two years we have improved our Water Trucks very much by making them the strongest and best proportioned Truck that we have seen. Our wheels are two inches higher than those used by a number of other manufacturers, and our hubs are heavier and longer.

We use new barrels, and not second-hand ones, as are used by almost all other manufacturers; these barrels are made specially for the purpose, and are just right. There are no bung-holes to be stopped up, and the edges of the top are not sharp, as is the case with all old barrels that have been used for other purposes.

When we consider the almost innumerable uses to which the Combined Truck and Hand Cart can be applied, its handiness, and the immense amount of time and hard labor saved by its use, it is not a matter of surprise that it is steadily growing into favor. It is one of those articles that causes the user to wonder how he ever did without it, as it really becomes indispensable when once used.

**Improved Barrel Watering Cart.**

This cut represents our Barrel Cart, with “Gem” brass spray pump. This is a convenient combination, and may be found useful in various ways; such as watering gardens, spraying fruit trees, etc.

The Barrel Cart and Pump may be ordered separately and arranged together to suit the purchaser. The Barrel Cart may be wheeled about when filled with water, to supply sprinkling cans for watering flowers and vegetable gardens. When the running gear or truck is ordered without barrel, the trunnions may easily be fastened to any good water-tight barrel by any person with ordinary mechanical ability.

**All Kinds of Machinery Repaired.**
Our line of "Celebrated" STEEL GOODS, embracing Hoes, Rakes, Forks, &c. is complete in every particular. They are made of the best material, and every tool is perfectly formed, correctly hung and of superior finish.

GARDEN HOES.

No. 1—Steel Socket Garden Hoe, Selected Handle........................................... $0.40 each. $15.00 per doz.
4—Solid Shank
5—Riveted Socket
10—Ladies’ Solid Shank Hoe, Selected Handle
47—Solid Shank Heavy Handled Planter Hoes, 7 inch
47½—
48—
94—2-Prong Weed Hoe, Cast Steel, full Polish
95—Broad Point Weed Hoe, Cast Steel, full Polish
96—Sharp

Acme Weeding Hoe, ½ inch cut (new)..................................................... 50
B. B. Steel Weeding Hoe, ½ inch cut..................................................... 50

Also many other special styles and shapes.

A . . . .
Specially Good Thing.
Try It . . . .

STEEL GARDEN RAKES.

No. 112—12 Tooth “Prize” Bow Braced Steel Rake........................................ $0.50 each $18.00 per doz.
114—14
116—16
10—10
12—12
14—14
16—16

Celebrated Cast Steel Shank Rake

MALLEABLE GARDEN RAKES.

No. 710—10 Tooth Braced Shank Malleable Garden Rakes................................ $0.30 each $8.50 per doz.
712—12
714—14
716—16

Steel Hay, Manure and Spading Forks.

No. 6—2 Tine, Straight Handle, Hay Forks, Plain Ferrule................................ $0.30 each $10.00 per doz.
7—2
12—3
18—3
40—4
41—4
25½—W
25—6
130—Ex

Long Bent Handle Manure Fork, Plain Ferrule
Wood D. Handle
D. Handle
Capped Ferrule

Also D. H. Diamond Tine Manure Forks; Four and Five Tine Extra Heavy; Ten Tine Stone Forks, and many other styles as well as cheaper grades.

REPAIRING LAWN MOWERS A SPECIALTY.
Matthews New Universal Model Garden Drill.

ONE OF THE STANDARD DRILLS OF AMERICA.
Simple in Construction.
Neat in Design.
Efficient in Operation.
NONE BETTER CAN BE SECURED.

Medals and testimonials confirming the superiority of the 'Matthews' have been repeatedly bestowed upon it from all quarters, and as it has been improved from time to time it has always been acknowledged

One of the Most Perfect Drills Made.

The present form is the newest and simplest yet produced, and cannot fail of proving an even more popular modification of this reliable drill.

Our Retail Price. $6.00.

Matthews New Universal Model Hill and Drill Seeder.

This implement is the same in style and working qualities as the one just described, but is arranged so as to drop the seed continually in drills or at distance of 1, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw in attaching a brae 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 be sure and order the "Hill and Drill Seeder," as the regular garden drill cannot be fitted with the attachments.

OUR RETAIL PRICE, $6.25.

DOUBLE WHEEL
With Rake Attachments
For Cultivating:

Matthews New Universal Model Combination Drill.

Double Wheel, with Hoe, Cultivator, Plow and Rake Attachments.

Our Retail Price, $8.00.

This is not only a desirable combination of the Garden Drill already described with the New Universal Cultivating Attachment, but it has the advantages of having 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 incurs the nicer work, as if two wheels 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 has a one-wheel seeder under full control, and in addition the single wheel follows in the mark made when planting the previous row and presents a sight to keep the rows straight.

The two wheels are desirable, however, when used as a cultivator or wheel hoe, as in this way the rows of young plants may be straddled and the cultivating done on both sides of the row at one passing. 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 seeding and covering attachments can be readily removed when the implement is used for cultivating. It is not necessary to remove the seed box, but it can be taken off if desired. The combination is one which cannot fail of recommending itself to all.

The attachments are:

ONE (1) PAIR HOES.
FIVE (5) CULTIVATOR TEETH.
ONE (1) PAIR PLOWS.
ONE (1) PAIR RAKES.

Extracts from Prof. S. B. Green's report in Bulletin No. 38 of Minnesota Experiment Station, as published in the "Market Garden" for March, 1895.

"During the past year I have made a special study of garden implements best adapted for garden use. The (New Universal) Combination Drill and Cultivator is arranged to use either one or two wheels. The indicator is very simple in construction and easily handled. The agitator is sure to keep the seed moving through constantly. The depth of sowing can easily be regulated. The marker is well adapted for giving a clean track for successive rows, and is easily changed to different widths. A convenient cut-off is provided to use when turning at the ends of the rows to prevent loss of seed. The change from the drill to the cultivator can be made very quickly. For working the soil it has hoes, plows, rakes and cultivator teeth of good shape and size. It can be used successfully to open or close furrows. The machine is adapted to working on both sides of a single row with two wheels or between the rows. The manufacturers recommend for market gardeners instead of this combined implement separate implements to save the time of changing."

The New Universal hand double wheel hoe, cultivator and plow is an implement of recent introduction having all the latest improvements. It contains a handy feature in the adjustable arch by which the depth of the cultivator teeth may be regulated. It may be used to work between the rows or to straddle one row."

Matthews Garden Gem Drill.

Our Retail Price, $5.00.

This has been perfected to meet the demand for a low-priced drill. We have not only accomplished this in our design, but here offer a drill with all the essential qualities of the Matthews principle, even to embodying seed Dial and Indicator, from exactly same patterns as those used on the larger and more expensive drills. 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 this to be will find it to its advantage to buy the Matthews Garden Gem. This drill does not have the new seed cut-off, but the agitator can be checked same as in the larger drills.

ALL KINDS OF MACHINERY REPAIRED.
New Universal Hand Double Wheel Hoe, Cultivator, Plow and Rake.

Specially designed for working both sides of the row at one passing.

The special recommendation is the Adjustable Arch, by which not only the depth of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired.

It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop.

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 to 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.

The depth can be regulated by adjusting wheel arms in the three holes provided on each side of Arch.

The depth can also be regulated by pitching the Arch by means of the Arch brace and the thumb screw, where it connects, to lower handle brace.

THE LEAF GUARDS are to prevent wheels from injuring large, spreading foliage.

Retail price..........................$5.00

New Universal Hand Single Wheel Hoe, Cultivator, Plow and Rake.

As with the Double Wheel Hoe, just described, this can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side, so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows.

The attachments are one pair hoes, five cultivator teeth, one pair plows, one pair rakes and one vine or leaf guard.

Retail price..................$4.25

New Universal “Flier” Hand Single Wheel Hoe, Cultivator and Plow.

This implement is same as our regular Single Wheel Hoe, except that at this price fewer attachments are furnished. They are one pair hoes, three cultivator teeth, and one large plow.

If this style is wanted, be sure and order the “FLIER.”

Retail price..................$3.75

THE “VICTOR” Garden Cultivator.

The socket head is of an extra grade of malleable iron, the shanks and blades are steel and by means of the thumb screw can be adjusted to suit the operator.

Complete, on 1 ft. handles, with 3x5 in. blades, $1.25.

New Universal Hand Wheel Plow.

This can be used to prepare the ground, to furrow out, to cover and to cultivate. The mould board is of steel, polished and tempered.

Retail price..................$2.00

ALL KINDS OF MACHINERY REPAIRED.
"Iron Age" Wheel Hoes and Drills

FOR FIELD AND GARDEN WORK.

The "Iron Age" Combined Seed Drill and Wheel Hoe.

We are glad to be able to offer our friends in this tool what is evidently one of the most complete implements of the kind ever offered. The cut shows it to be a whole tool house of itself. It is a seed drill, a double wheel hoe, a single wheel hoe, a cultivator, plow and rake.

It is converted into a perfect seeder by the drill attachment, which is quickly and easily placed in position, and which is simple in operation, having no gearing, screws or springs to get out of order. The adjustment for various seeds is perfect, the cam index allowing the seed slide to be instantly adjusted to the slightest variation desired.

The labor of operation is reduced to a minimum, owing to the light weight of the tubular frame.

Price ........................................................................... $9.00

The "Iron Age" Seed Drill.

We offer the "Iron Age" as a seed drill only, as shown in cut. This is the same tool as the combined "Iron Age," with no attachments, and with but one wheel. The same remarks apply concerning its construction and operation.

Price ........................................................................... $6.50

The "Iron Age" Double Wheel Hoe.

At a glance one can see the great usefulness of this tool. The garden or farm is incomplete without at least one of these tools. In cultivating onions, beets, turnips, radishes, etc., it is invaluable—saves hours of hard labor, and does the work better than several men could do it in the same time. One great advantage which this double wheel hoe possesses is that it can be made into a practical single wheel hoe in a moment’s time. An axle is sent with every double wheel hoe for this purpose.

The wheels are 16 inches high, enabling the wheel hoe to run easy and without yielding to the depressions of the soil, as a low wheel will do. The frame being made of tubing, coupled to malleable castings, gives great strength, together with lightness. All the tools shown in the cut go with the machine for the price—$6.00.

The "Iron Age" Plain Double Wheel Hoe.

In order to accommodate those who have only use for the Wheel Hoe for hoeing, we offer the machine described above with hoes only at $3.50.

ALL KINDS OF MACHINERY REPAIRED.
"Iron Age" Wheel Hoes and Drills
FOR FIELD AND GARDEN WORK.

The "Iron Age" Double Wheel Hoe showing Landside Plow attached.

The Landside Plow may be attached to the machine while it is either a double wheel or single wheel hoe—oftener used with a single wheel for convenience of working. Oftentimes it is convenient to have a Landside Plow in connection with a double wheel, as with this attachment the ground can be broken and the machine used for a greater variety of work. Poultry keepers will find this plow of great value in turning under the droppings in their poultry yard.

Price of Plow Attachment,
only 80 cts.

The "Iron Age"
Single Wheel Hoe, Cultivator Plow and Rake.

Packed Weight, 28 lbs.

This tool is, in regard to the work done, almost a counterpart of the Double Wheel Hoe, and the same remarks as to its construction, extreme lightness and ease of operation, will apply with equal force.

In addition, its lower price, less weight and increased steadiness, given by a single wheel, make strong arguments in favor of this tool. For the small kitchen garden, we consider the single wheel hoe, with these points of merit, as being very valuable. The work is done principally between the rows, although plants of small growth can be hoed on both sides at once by placing the wheel on the left side.

With this single wheel tool, spaces of exceedingly narrow width can be worked, even using but one cultivator tooth. With the large plow attachment, deep furrows can be opened or closed; potatoes, celery and other crops hilled—in short, all such work usually accomplished by a special plow.

Price..............................$1.50

We also have a Weeder attachment for this tool similar to the one used on the double Wheel Hoe. A capital thing.

Price..............................75c.

The "Iron Age" Wheel Plow.

Following out the idea of bicycle construction, as shown in the preceding tools, we offer also a wheel plow constructed in same manner, and we think we cannot be accused of extravagant language in claiming it to be a little "beauty." Its graceful shape and exceeding lightness accord well with its ease of operation and perfection of work. Adjustable in depth.

Price..............................$2.50

ALL KINDS OF REPAIRS ON HAND.
The "New Model" Seed Drill.

One of the most perfect Drills in America.

REGULATION OF DISCHARGE.—As will be seen, by reference to the sectional cut shown, this adjustment is accomplished in a very effective manner 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 slide can be instantly adjusted to size indicated by Index, or to a half-breadth variation between—a vital point in a perfect drill.

INDEX.—As shown by enlarged cut, the Index or Indicator is convenient and reliable. It is imitated to the acre of the operator; can be quickly adjusted to the slightest variation desired. As the names of the principal seeds are plainly shown on the Index itself, a table of reference is not necessary.

CUT-OFF.—The flow of seed can be instantly stopped by a swinging cut-off, conveniently operated by a cord and ring on handle. This cut-off prevents all loss of seed at end of rows, and is swinging or gravity form will be found far preferable, as no more than slides under, as it cannot be jammed by the falling seed.

BROAD WHEEL.—The main wheel is of large size and of unusual width, preventing its sinking into soft earth.

COVERER ROLLER.—Is attached by swinging frame, enabling operator to roll lightly or otherwise, by varying the pressure on handles: or, as some object to use of roller, it, with its frame, can be quickly removed.

OPENING PLOW.—Is of Steel, adjustable in depth.

Price. ........................ $6.50

THE GEM WHEEL HOE.—Thousands in use giving perfect satisfaction. Price. $4.00.

JEWEL DOUBLE WHEEL HOE, CULTIVATOR AND PLOW COMBINED.—So well known, so thoroughly introduced and so entirely satisfactory that further description is useless. Price. $4.00.

JEWEL WHEEL PLOW.—Price. $5.00.

Cahoon Patent Broad-cast Seed Sower.

FOR SOWING CLOVER, TIMOTHY, MILLET, OATS, WHEAT, HEMP, BARLEY, RYE, BUCKWHEAT, RICE, ETC. A MODEL FOR ACCURACY AND DURABILITY. Price. $3.50.

Sows from 4 to 8 acres per hour at an ordinary walking gait, throwing wheat about 40 feet wide. Will save at least four-fifths of the labor and one-third of the seed is effected by the use of this machine, and a person entirely unused to sowing by hand can accomplish 4 to 5 acres per hour. To SOW THICKER OR THINNER WITHOUT CHANGING THE SLIDE.—Having set the index to the desired quality per acre—taking the average of the field—the operator can easily sow a little thicker upon those places where the soil is richer, by taking shorter steps, and thus not going so fast, and upon the poorer spots of ground it can be sown thinner by taking longer steps, and consequently passing more rapidly over the ground.

ABOUT SOWING IN THE WIND.—Any one familiar with the use of the machine can sow satisfactorily in a much stronger wind than will admit of sowing well by hand; but as the ordinary work of a day can easily be done with the Sower in two or three hours, that time may be chosen early in the morning or late in the evening, when it is usually calm, or nearly so.

For Sowing in Standing Corn the machine will be found of the greatest utility—nothing can ever equal it for this purpose—but will not sow as wide as on fall ground, in consequence of the obstruction which the corn offers to the seed. A broader lap is therefore required, by making the passages near together. (See directions.)

The breadth of the cast will be according to the weight of the seed.

Wheat and Rye, 20 to 25 feet.
Barley, 27 to 30 feet.
Hemp, 27 to 30 feet.
Oat, 21 to 25 feet.
Clover, Millet, Hungarian Seed, 20 to 24 feet.
Timothy, 35 to 35 feet.

Directions for Gauging the Machine.

FOR OATS.—To sow two bushels to the acre, at 1-1/2 inches. To sow one and a-half bushels to the acre, at 1-1/4 inches.

When ready to sow, first commence turning, and with the left hand raise the slide until the rib on the slide comes against the index point. Be careful to walk and turn, as above directed. To close the slide, do it with a quick pressure of the left hand.

To sow Wheat or Rye in standing corn, two bushels to the acre, set the Index at 1-1/8 of an inch, and sow five or six rows at a time, according as they are wide or narrow.

FOR GRASS SEED.—To sow one peck of grass seed to the acre, raise the small gate 3-5 of an inch; half a bushel, 5-8 of an inch.

ALL KINDS OF MACHINERY REPAIRED.
Thompson's Clover .... and ....
Grass Seeder.

This Grass Seeder is simple, without gearing, cans or intricate machinery; it cannot get out of order.
It is strong, yet weighs but forty pounds. Perfection feed is attained in making it absolutely positive, yet a non-leaking carrier when thrown out of connection.
The quantity of seed to the acre is accurately shown by the index plate. You place the pin, the machine measures the seed.
Clover, Timothy, Red Top, Hungarian, Millet, Flax, Orchard Grass, Fancy Blue Grass, Alsike and chaffy seeds are alike sown by it.
It cannot clog. The wheel may be covered with mud, yet its working will not be affected.
Working near the ground, even strong winds have no effect upon its accuracy.
A manilla rope passes through a groove in the bottom of the box, fastened at the ends to a rod moved back and forth by a lever. This is operated by the revolution of the wheel, upon each of the eight spokes of which is fastened a casting. These castings strike alternately V-shaped irons on the geared levers. The length of stroke governs the quantity of seed sown, and is regulated by the pin which forms a fulcrum at any distance desired from the driving point. The plate for this pin is accurately marked in figures, indicating the quantity of seed sown per acre. By use of a thumb screw the lever can be thrown out of connection, when all sowing stops, the feed-rope covering the holes in the bottom of the hopper, through which, when at work, it forces the seed.
Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fail in its work—wire rope will. Being scorched and chemically treated, our rope is weather proof. It is provided with an iron wedge at one end of the feed rod, so that it may be loosened when not in use.

The Cyclone Hand Broadcast Seed Sower.
This Seeder is accurate, strong, light and durable. The best medium price machine of its kind on the market.
Price..........................$2.00

Chicago Seeder.
A good Seeder, at a very low price. This is the most satisfactory Bow Seeder made.
Price..........................$1.50

Eclipse (Rotary) Planter.
The Eclipse (Rotary) Hand Corn Planter.
There are four discs, or wheels, Nos. 1, 2, 3, and one for planting Broom Corn, marked S. No. 1 is to drop one grain at a time; No. 2, two grains; No. 3, three grains. We also furnish this planter with shoe attachment, to enable the operator to work the machine with one hand.
Price, without Shoe..............$1.50
Price, with Shoe..................1.75

XL Hand Corn Planter.
A demand for a cheap Hand Planter with merit has induced us to handle this planter.
1st. It has iron, instead of wood Slide Valves, to regulate the drop of corn. Three sizes are furnished with each Planter.
2nd. The corn is conducted down a channel on the sideboard formed of sheet iron.
3rd. The blades are steel; handles bolted to sideboards, made of Hard Wood. Packed half dozen in crates.
Price..........................$1.00 each

Advance Pea and Fertilizer Drill.
The distributing disc being of wrought iron, and galvanized, can neither break nor rust, thus entirely obviating the faults of glass and iron.
The agitator is also 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. We cannot too strongly recommend this Drill to pea growers as being one of the very best tools for sowing peas. The same can be said of it in regard to sowing fodder corn or ensilage.
Price..........................$6.00

ALL KINDS OF MACHINERY REPAIRED.
KEMP MANURE SPREADER.

As a Labor and Material Saver this is one of the most economical implements used on a farm, and will spread just the quantity desired and do it evenly, covering every square inch with finely pulv"ersed manure in one-tenth the time required with shovels and forks. Drill attachment can be changed to lime hood, by removing the chute and adding the lime board.

Size, No. 1 on 4 wheels, capacity 30 bushels, $10.00
Size, No. 1 on 4 wheels, capacity 35 bushels, Belt Beater $15.00
Round Beater $12.00
Size, No. 2 on 4 wheels, capacity 45 bushels, Belt Beater $12.50
Round Beater $13.00
Size, No. 3 on 4 wheels, capacity 50 bushels, Belt Beater $13.50
Size, No. 1 on 3 wheels, capacity 35 bushels, Belt Beater $12.00
Complete, with drill attachment, hood and slow feed drill attachment, for leaving manure in rows, extra 8.00
Wind brake, or lime hood, for windy weather, extra 5.00
Brake, or lock for hill side 5.00
Three-horse evener, extra 5.00
Slow feed for lime, ashes, etc., extra 1.50
Lime, used in frosty weather, per set 25.
Whiffletrees, neck yoke and two-horse evener furnished free.
Size 2.00 comes nearer to general wants than any other. Special discount from these prices.

THE BALTIMORE LIME AND ASH SPREADER.

This is a strong and substantial machine, with spreading capacity of from 15 to 30 bushels to the acre. The quantity can be regulated at the will of the operator. The wheels are 4 1-2 feet high. It has six feed, and will spread 7-1-2 feet wide. The box or hopper is fitted with a powerful agitator, which breaks any arch formed by lime, ash or commercial fertilizer. The lime is fed out on a distributing board or shaker, which can be set at different elevations, and this, in vibrating, distributes the lime evenly and regularly. Lime is not easily, nor is it evenly, spread by hand, particularly in small quantities. After lime has been hauled into the field, placed in large piles and saked, it is ready to spread. Any boy strong enough to fill the hopper can operate the machine. The lime falls but one or two inches, thus avoiding dust to either driver or horses. If the wind is very strong an apron can be tossed, if desired, in front of the hopper. Ordinary lumps going through the attachment sieve will not interfere with the sowing. We also furnish an extra cap and large wheel, whereby fertilizers of every description, and plas-
ter, can be sown in quantities as low as 200 pounds per acre, and if coarse 250 pounds per acre. Hopper holds 15 bushels slacked lime. Price, $15.00. Special price for cash.

THE BALTIMORE BROADCAST FERTILIZER DISTRIBUTOR.

This machine has more points of real merit than any other broadcaster on the market. It will sow perfectly all kinds of chemical fertilizer, including kainit and plaster; also bon manure, sheep-pen scrapings, etc.; a Patent Positive Force Feed that never fails to cut crusts; powerful agitator, to prevent arching. The machine is operated by a heavy chain gear, and the distributor may be thrown in and out of gear while in motion, and the quantity can be changed by the driver without leaving the seat. The hopper is low, making it very convenient to fill. These machines are made in three sizes, sowing in width 7 feet 9 inches, 5 feet 3 inches, and 4 feet 10 inches. The large size is for two horses, the others for one horse, and furnished with shafts. It will sow from 1500 to 3000 pounds per acre, and from these quantities down to as light a drawing as may be desired. They are warranted to run lighter and sow perfectly a greater variety of fertilizers than any in the market.

Two-horse broadcaster, sowing 7 feet 9 inches wide $82.00
No. 1, One-horse broadcaster, sowing 6 feet 9 inches wide $53.00
No. 2, One-horse broadcaster, sowing 4 feet 10 inches wide $43.00

SINGLE ROW FERTILIZER DISTRIBUTOR.

The above cut represents our Single-row Fertilizer Distributor with row-opening Shovel, and at the same time distribute the fertilizer evenly among the row; also with a novel device for scattering the fertilizer with the soil, which is very important.

This fertilizer distributor will sow any kind of fertilizer evenly. We use the same feed that we use on the planter with fertilizer (except that it is much larger), which has given entire satisfaction. The fertilizer bottom and feed is composed of only five pieces, viz., the bottom, the cap, the crown-wheel pinion and the agitator. The agitator is connected on the shaft standing perpendicular, which prevents the fertilizer from arching. Under the planter is a funnel-shaped iron which scatters the fertilizer as desired.

Three chain wheels are furnished with each machine. It will sow or distribute evenly any kind of commercial fertilizer and in any quantity desired, from the smallest to the largest amount required per acre.

Price, with furrowing out and rear shovels complete $16.00

ALL KINDS OF MACHINERY REPAIRED.
Using the machine as a drill, it can be changed to drop 10, 12, 14 or 16 inches apart. Will also plant in hills from two to six grains. The arms connecting to the boxes on the planter beam are slotted so that the Planter has a perfect floating motion, and is adapted to all conditions of the ground.

The machine is adjustable in width being so arranged that it will plant 3 ft., 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., 3 ft. 8 in., or 3 ft. 10 in. apart. Wheels will run on or off the rows, as desired.

For localities where covering shovels are desired, we make a machine coupled farther apart for using covering shovels. The most complete Fertilizer Attachment made and will work perfectly with check Rower.

The driver can see the corn dropping from the top of the tube.

**Prices:**

- Planter... $30.00
- Planter with Covering Shovels, 32.50
- Check Rower...... 10.00
- Steel Planter with Fertilizer Attachment...... 40.00

We also carry a full stock of the Evans Wood Frame Planters, which have always given excellent satisfaction.

- Plain Planter... $29.00
- With Fertilizer Attachment... 35.00
- Check-Rower...... 10.00

**The Evans Steel Frame Intermittent Drop Planter**

*With Fertilizer Attachment and Check Rower.*

This machine is a continuous intermittent rotary drill, for drop the entire hill at one time. It does not, however, destroy the usefulness of a combined machine, and it can be used as such by simply changing from thick to thin plate, and by putting on or taking off the drive chain. Using the machine as a drill, it can be changed to drop 10, 12, 14 inches apart. By changing the chain to a different sprocket wheel on the shaft. It will plant in hills with the drill drop, from 2 to 6 grains, by changing the chain to different sprockets, dropping from 2 to 3, 3 to 4, 4 to 5 grains in a hill. Four sets of thin seed plates for different size corn are used with drill drop, either for drilling or hilling. Each of our thin seed plates has eight sets of holes varying in size from one-half to eleven-sixteenths inch. By having four sets of feed plates with different size seed holes, and different cone sprockets, we get sixteen changes. This is equal to 32 feed plates, as compared to Planters using thin feed plates, with different number of seed holes in them and without the use of cone sprockets for driving the feed.

- Price of Planter... $31.00
- Planter, with Covering Shovels... 33.50
- Check-Rower...... 10.00
- With Fertilizer Attachment... 41.00

**Steel Frame Single Row Planter.**

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 it will sow regularly any quantity from 100 to 400 lbs. 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 an 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. The nine-point wheel drops one grain 19 inches, or two grains 38 inches apart.

We can also furnish rings for planting Peas, Beans, Ensilage Corn or any kind of seeds, and by using the different chain wheels can plant any desired amount.

**Price of Plain Planter...** $11.00

**Price of Planter, with Fertilizer Attachment...** 13.00

**Price of extra Dropping Dies, each...** .30

**ALL KINDS OF MACHINERY REPAIRED.**
The "Improved-Robbins" Potato Planter.

Will Plant from Four to Seven Acres per day.
Price of Planter with Fertilizer Attachment $65.00

HOW IT WORKS.—The operation of the Planter is so simple it is not necessary to do more than to call attention to the cut.

The opening plow is a small double mould-board plow with thin steel edges clogging with trash, and which divides the soil for the plow. The runner or shield also prevents injury to planting. In striking a rock, the blade is gradual, not sudden, thereby warning the driver to release the lever and enable him to pass over the rock. The plow throws out on each side a free furrow of loose soil, with no packing or wedging to crowd the future growth of the crop. It now has an independent adjustment by which its position can be changed so as to suit different depths of furrowing in different soils. Immediately following the plow comes the deposit of fertilizer (if used) in a broad stream across the bottom of the furrow.

STOPLING SEED.—Then follows the drill tube through which the seed is dropped, this tube being provided with a small shoe which opens a narrow groove in the bottom of the furrow, and into which falls the seed.

The small shoe also divides the fertilizer, preventing it from coming in direct contact with the seed, and mixes it with the soil in passing. Then immediately following come a pair of large steel discs which cover the seed with light, loose soil, all in a nice, moist state, just the right condition for starting a vigorous growth of the potato sprout.

DISTRIBUTION APART.—The speed of the wheel which drops the potatoes is regulated by a simple change of sprocket wheels, those sent out with planter being dropped at distances of about 12, 14, 16, 17, 18, 20 or 20 inches.

SIMPLE AND EASY.—The handling of the Planter is exceedingly simple and easy, the movement of one lever stopping both potato and fertilizer feed, and at same time raising the entire gang of opening plow, potato tube and covering discs entirely free from the ground.

A PERFECT FERTILIZER DISTRIBUTOR.—We wish to speak particularly of the Fertilizer Distributor of the Improved Robbins, as we believe it to be, beyond any doubt, one of the best methods of distributing fertilizer yet adopted. The fertilizer is placed in a round hopper of galvanized iron, holding about one hundred pounds, and is fed downward through a central opening formed by a straight agitator shaft; the capacity of the distributor is up to 16 pounds, depending largely upon the condition of the fertilizer. The amount sown is quickly and easily regulated by the adjustment of gate or change of sprocket wheels.

The "Improved-Robbins" Potato Planter.

(With the Pea Sower and Leveler Attachments.)
Pea, Bean and Corn Sower Attachment $5.00
Leveler Attachment............... 1.25

Particular attention is called to the Planter as being adapted to the planting of Peas, a large acreage having been sown with the most satisfactory results, and with a very decided advantage over all other methods. The Planter has been sold for this purpose exclusively. Also, as another attachment, we have the Leveler, for leveling and smoothing the row.

The Prairie City Potato Cutter will cut potatoes for seed faster than seven or eight men can by hand.

Price................................. $2.50

POTATOES—NUMBER OF PIECES PER ACRE.

APART, PLANTS. APART, PLANTS. APART, PLANTS.
12 X 2-1/2...18,649 14 X 2-1/2...16,000 18 X 2-1/2...12,494
12 X 6...15,783 14 X 6...13,314 18 X 6...10,565
12 X 8...14,964 14 X 8...11,465 18 X 8...8,574

Directions for Using the Prairie City Potato Cutter.
Fasten the cutter by rear bolt to a barrel or box, with a space sufficiently large to let the pieces of potatoes fall through. Place a potato on the end of the wheel with one hand, and with the other press it through, while reaching for another potato with the first hand. Cut one potato at a time. The more careful you are to place the potatoes the better the eyes will be distributed. You can, by changing knives, cut the potatoes any desired size, and if desired you can place a division beneath so as to collect all the seed ends in one pile separate from the rest. If the lever suggests some other way, you can, by two screws, take it off and change it by making it longer, or by making the paddle smaller or larger, if desired, or you can leave it off and use a wooden mallet. Be careful not to press or strike harder than sufficient to drive the potato down—a little experience will determine the force required. To enable rapid work, a small feed table placed close to the operator will be found very convenient.

Hitchcock Potato Digger.

By changing one bolt this implement may be converted into a Shovel Plow or a Potato Digger. The fingers are adjustable being held in position by the plow point. Thus, in case of breakage, a new part may be inserted without the expense of having a new head. The fingers, points and wings are made of steel, rendering it light, strong and durable.

To Operate the Potato Digger Successfully.
1st.—See that the field is comparatively free from vines and weeds, which may be done by mowing and raking with a wheel-horse rake.
2d.—Adjust the wheel to run the plow under the potatoes; do not let it run too deep.
3d.—Adjust the handles according to height of operator.
4th.—Dig every alternate row, and after picking up the potatoes, take the remaining rows.
Can be successfully used with one horse.

Price................................. $8.00
Extra Beam, $2.00. Extra Steel Point, 60 cents.
Cast Head, $1.00.

ALL KINDS OF MACHINERY REPAIRED.
This machine will plant from seven to ten acres per day. With the present highly improved machines for planting, digging and sorting potatoes, there is no reason why the crop should not be the most profitable one for the farmer or gardener to raise.

THE FEED.—This being the most important part in seed potato planters, we have constructed the feed so there is no adjustment for large or small pieces of potato. It is a force-fed, and is positive in its action, and its operation is controlled by the machine, instead of by the size of the seed potatoes.

The difficulty experienced with the earlier machines now on the market was that they required constant adjustment to suit the size of the pieces of potato, and if the pieces were of irregular size, the dropping would be more or less imperfect. This will be readily appreciated by those who have used the old style of potato planters.

TO CHANGE THE DISTANCES APART IN DROPPING.—The machine will drop the potatoes in drills 10, 12, 14, 16, 18, 20, 23 or 36 inches apart. The change for the different distances apart is accomplished by putting on more or fewer picker arms. The number of arms to be used is shown in plain figures on the discs to which the picker arms are attached, so there can be made in changing the machine to plant the proper distance.

THE DRIVER CAN SEE THE POTATOES DROPPING.—This is a great advantage, as he then knows whether the machine is depositing the seed properly or not, and can correct this fact so the machine be out of potatoes as soon as it occurs.

VIBRATING FEED HOPPER BOTTOM.—The bottom of the hopper is constructed with two feeding channels, which vibrate from the top of the hopper down to the bottom of the container, thus insuring an even and steady flow of potatoes. This is a great improvement over the present feeding devices on the machines now on the market, which frequently choke and make imperfect dropping.

THE DRIVE WHEELS.—The wheels are 36 inches in diameter, with 3 1/2 inch tires, which make the machine run easily, and does not allow the wheels to bury themselves in soft and sandy soil.

THE HAND LEVER.—This machine is controlled by a simple and effective hand lever, which governs the depth of planting and covering, and is readily changed by the operator, without leaving his seat. The covering shovels are supported on a flat U-shaped runner, which is connected to the furrow runner, and the shovels are raised or lowered by the hand lever. The U-shaped springs make the covering shovels flexible, allowing them to raise and fall up to the unequal surface of the ground, causing them to cover much better than shovels attached without springs. The hand lever is also used for raising the furrow runner when turning round, which is a great advantage over machines having no hand lever.

A NOVEL MARKER.—It is positive in operation, is constructed on the principles of the hand lever, has a spring catch on it, which holds it in an upright position when turning round, is readily operated by the hand catch, and cannot fall when turning on hilly ground. The marker is arranged with a sliding marker-head, so that the machine will plant the rows any distance apart desired.

WIDTH OF THE MACHINE.—The machine is 36 inches wide, from the center of one drive wheel to the center of the other, which is quite an advantage over narrow-tread machines, which easily upset on hilly ground.

Disc Covers furnished when desired.

Fertilizer Attachment.

This machine can be furnished with a Fertilizer Attachment when desired. It is made on the same principle as those on the Evans Corn Planters.

With Fertilizer Attachment $35.00

The Latest Improved Peach and Potato Sorter.


The most delicate, ripe and softest peaches, apricots, plums, etc., can be graded in the machine without the least injury. It can be adjusted to change the size of the grades required. Fruit sells better by being properly sorted. It is the only machine that will sort both peaches and potatoes, it runs as light as a sewing machine with foot treadle; it is easily operated, and fruit growers cannot afford to be without it. All machines fully warranted.

Retail Price.

No. 1.—Capacity 2000 bushels per day $30.00

The Schofield Junior Potato Planter.

The Schofield Junior Potato Planter is a first-class Planter in every respect. It plants the potatoes in a straight line, instead of zig-zag in the row, as is the case when dropped by hand.

Plain Planter $15.00

Fertilizer Distributor Attachment 10.00

Corn Drilling Attachment 5.00

Potato Digging Attachment 10.00

The L. C. Evans

POTATO PLANter.

No. 55.

ALL KINDS OF REPAIRS ON HAND.
The York Force Feed, Grain and Fertilizer Drill.

SIMPLICITY OF GEARING.—The grain and fertilizer feeds are both driven by link chain belts, and is geared from the centre of the drill, thereby avoiding the use of cog wheels at the ends of the boxes, which are a constant source of annoyance, on account of the dust and dirt always getting in them, drying the oil, and causing them to wear out very soon.

CHANGING THE QUANTITY PER ACRE.—The change in quantity of grain or fertilizer to be sown per acre, is done by simply moving two levers, one for the grain feed and one for the fertilizer feed, and which can be done while the drill is in operation, thereby changing the quantity of grain from 1-2 to 4 bushels per acre, and the fertilizer from 50 pounds or less to 600 or 700 pounds per acre, according to the condition of the fertilizer. By this means the quantity of grain to be sown per acre can be varied from the smallest to the largest amount necessary, varying the quantity as little as 1-2 or 1 pint at each change.

THE FERTILIZER FEED can be stopped or started any time while the drill is going, and is convenient in case you do not want to sow fertilizer while passing over spots of good ground.

Both the grain and fertilizer sower are POSITIVELY FORCE FEEDS, and will sow with absolute regularity any kind of grain and fertilizer.

The Grass Seeder is also a force feed, and can be used either in front of the hoes or behind them; the quantity can also be changed to any amount necessary; it is fastened on the frame, and is very low down, thus preventing the wind from blowing the seed away before reaching the ground.

Both of the WHEELS have ratchets in the hubs, and act as DRIVING WHEELS, each having two pawls in the hub instead of one, as in other drills; by the use of these pawls there is no lost motion, and the moment it moves it commences feeding, when going in a circle the outside wheel does the driving.

THE ACRE OR LAND MEASURE.—It has two hands; one makes a revolution for each acre; and the other, a revolution for every 12 acres.

The Grain Feed.

Will accurately sow any kind of grain. The agitator for sowing oats is furnished with every drill, and will make it sow regularly. It is a positive force feed.

The Fertilizer Feed.

This whole feed can be taken apart while in the drill. It has a gum spring washer that locks the ratchet nut underneath the fertilizer bottom, which relieves the feed of any hard strain and causes the feed to run more smoothly than any other. The feed gate and pinion for same are galvanized on all drills, which prevent them from corroding or rusting.

Timothy Seed Feed.

The Timothy Seed Force Feed will sow 2, 3, 4, 4 1-2 or 5 quarts, or double the amount, by changing the wheels, as per directions.

8 Hoe Pin Drill, $5.00
9 Hoe Pin Drill, 65.00
9 Hoe Pin Drill, 70.00
10 Hoe Pin Drill, 75.00
Special inducements for cash.

The Superior Steel Frame Grain and Fertilizer Drill.

This Drill is furnished with the famous MARKS Force Feed Fertilizer Attachment as improved by the SUPERIOR DRILL CO. and the DOUBLE FORCE FEED GRAIN DISTRIBUTOR, the most perfect feed ever made.

A FORG-E- FEED CHAIN GRASS SEEDER which does splendid work with all kinds of grass seed.

For further particulars, write for Special Catalogue.

Grain Drill Tubes and Points.

For all leading Grain Drills, including Superior, Pennsylvania, Bickford & Hoffman, Buckeye, Hoosier, Indiana, Champion, Empire, McSherry, Hagerstown, Greenscastle, etc.

Tubes, 25 cents each; points, 12-1-2 cents each.

ALL KINDS OF MACHINERY REPAIRED.
The Banner Root Cutter.

BUILT IN THREE SIZES FOR BOTH HAND AND POWER.


The No. 20—For Hand Use.

Has a capacity of 30 to 50 bushels per hour.

List Price............. $12.00
Our Retail Price........ $9.00

Extra Knives per set, $1.00.

The No. 15—Hand and Power Cutter.

Same size as No. 20. Is arranged with Band Wheel for light power, such as wind mill, etc. Capacity by power, 1 to 1½ bushels per minute.

List Price............. $14.00
Our Retail Price........ $10.00

The No. 16—Small Power Cutter.

WITH FLY WHEEL AND BAND WHEEL.

Supplied with Crank also for hand use. Capacity by hand, 30 to 50 bushels per hour. Capacity by power, 2 to 3 bushels per minute.

Our Retail Price........ $15.00

The Ross Kraut Cutter.

POINTS OF EXCELLENCE:

Solid Disc; Knives so fastened that it will cut cabbage any thickness desired. Knives cut against Shear Bar so that it makes a perfect machine for all kinds of work. Driven by large Bevel Wheel Gear connecting with Small Bevel Pinion, giving speed 3 to 1.

Price................... $8.00

Regular 3-Knife Kraut Cutter

WITH SLIDING BOX. 8 x 20 INCHES.

Price................... $1.25

Gale’s Vegetable Root Cutter.

This is one of the very best Cutters on the market. We have handled it for a number of years and it has always given perfect satisfaction.

No. 354. List........ $13.00
Retail..................... 10.00

Granite State Food Cookers.

Cooks All Kinds of Feed for Cattle Hogs, and Poultry.

In order to obtain the best results from your animals and poultry, their food should be cooked. It assists digestion, and when fed to them warm in winter it makes them more comfortable. These cookers are conceded by all who have used them to be the best apparatus of the kind. All parts of the furnace are made from the best quality cast iron, except the sides and lining, which are of sheet steel plates. The setting of steel lining prevents the heat from warping or burning the body of the furnace. The air in the passage between the linings and outside sheet, as it becomes heated, passes into the fire-box directly under bottom of boiler and out through smoke-stack. Heating capacity increased; less fuel needed; because sides are not as thick as cast or sheet iron. The Boiler is of galvanized steel, will not corrode nor require painting; besides cooking feed, can use it for heating water when butchering hogs, rendering lard or making soft soap. All furnaces are supplied with one length smoke-pipe of either galvanized or black iron as ordered. Extra lengths 50 cents each. Write for book entitled "Cooking Food for Stock" Free.

List. Retail.

<table>
<thead>
<tr>
<th>No. 1</th>
<th>25 gallons</th>
<th>$15.00</th>
<th>$12.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>30</td>
<td>16.50</td>
<td>13.75</td>
</tr>
<tr>
<td>3</td>
<td>40</td>
<td>19.50</td>
<td>16.25</td>
</tr>
<tr>
<td>4</td>
<td>50</td>
<td>21.00</td>
<td>17.50</td>
</tr>
<tr>
<td>5</td>
<td>65</td>
<td>22.50</td>
<td>18.75</td>
</tr>
<tr>
<td>6</td>
<td>75</td>
<td>24.00</td>
<td>20.00</td>
</tr>
<tr>
<td>7</td>
<td>100</td>
<td>27.00</td>
<td>22.50</td>
</tr>
</tbody>
</table>

Hearth extends back under grates to act as ash receiver, therefore furnace can be set up in a building and no danger of fire. Wood or corn cobs can be used, and amount of fuel required is very small.

ALL KINDS OF REPAIRS ON HAND.
Genuine Oliver Chilled Plows and Repairs.

In ordering, always state right or left hand. In ordering shares always say what material, style and number you want.

### PLOWS—Prices.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1</td>
<td>B and B vineyard, right hand only</td>
<td>$4.00</td>
</tr>
<tr>
<td>A-2</td>
<td>B and B vineyard, left hand only</td>
<td>$4.20</td>
</tr>
<tr>
<td>13</td>
<td>13 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$4.50</td>
</tr>
<tr>
<td>19</td>
<td>19 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$4.75</td>
</tr>
<tr>
<td>22</td>
<td>22 iron beam</td>
<td>$4.50</td>
</tr>
<tr>
<td>30</td>
<td>30 iron beam</td>
<td>$4.75</td>
</tr>
<tr>
<td>40</td>
<td>40 iron beam</td>
<td>$5.00</td>
</tr>
<tr>
<td>50</td>
<td>50 iron beam</td>
<td>$5.25</td>
</tr>
</tbody>
</table>

### OLIVER COMBINATION PLOWS.

#### WOOD BEAM.

- No. 120, All Chilled, only: $9.50
- No. 140, All Chilled: $10.00

### OLIVER SPECIAL PLOWS.

- No. 1, Road and Grading Plow, all steel, with standing coulter and gauge iron or wheel: $30.00
- The Oliver Sub-Soller, best of its kind, with wheel: $40.00

### OLIVER HILLSIDE PLOWS.

They are made in two sizes—the smallest, No. 52, for one horse, and the largest, No. 53, for two horses. It is made with steel mouldboard and cast point, and is well equipped in all respects for first-class work.

In addition to its excellent qualities as a hillside plow, it also works admirably in level ground, and having been thoroughly tried we do not hesitate to recommend it highly.

- No. 52, Steel Mouldboard, Cast Share: $10.00
- No. 53, Steel Mouldboard, Cast Share: $11.00

**Note:** A Clevis, Wrench, and an extra share are included in above prices for plows fitted with cast shares, but wheels and jointers are not.

### OLIVER Repairs.

#### STANDARDS.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B and B Vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.25</td>
</tr>
<tr>
<td>10</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.50</td>
</tr>
<tr>
<td>14</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.75</td>
</tr>
<tr>
<td>18</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.95</td>
</tr>
<tr>
<td>20</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$2.10</td>
</tr>
<tr>
<td>23</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$2.30</td>
</tr>
<tr>
<td>30</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$2.50</td>
</tr>
<tr>
<td>40</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$2.75</td>
</tr>
</tbody>
</table>

#### LANDSIDES.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$0.40</td>
</tr>
<tr>
<td>10</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$0.50</td>
</tr>
<tr>
<td>14</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$0.75</td>
</tr>
<tr>
<td>18</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$0.95</td>
</tr>
<tr>
<td>20</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.20</td>
</tr>
<tr>
<td>23</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.40</td>
</tr>
<tr>
<td>30</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.60</td>
</tr>
<tr>
<td>40</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$1.80</td>
</tr>
</tbody>
</table>

#### HANDLES.

**Per Pair and Single.**

- **All numbers, per pair, loose.** $1.00
- **All numbers, single, each.** $0.50
- **Round, per pair.** 10
- **L. S. Handle Plates, each.** 10

### HANDLE BRACES.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B and B vineyard, 14 A steel mouldboard and landside, cast share and shoe, right hand only</td>
<td>$0.30</td>
</tr>
</tbody>
</table>

### BEAMS.

- **B-10-13-19-120 Iron:** $1.00
- **All other numbers, Wood:** $1.25
- **No. 22, Iron:** 4.25

All kinds of machinery repaired.
### ROLLING COULTERS.

We have Rolling Coulters to fit every kind of Oliver Plows upon which they may be required. See prices below:

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11&quot;</td>
<td>For One-Horse Plows, complete</td>
<td>$3.00</td>
</tr>
<tr>
<td>13&quot;</td>
<td>For Two or Three-Horse Plows, complete</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

### COMBINATION PLOW REPAIRS.

<table>
<thead>
<tr>
<th>Numbers</th>
<th>Mouldboard Plates</th>
<th>Handle Plate</th>
<th>Mouldboard Lugs</th>
<th>Landside Lugs</th>
<th>Shanks</th>
<th>Levers</th>
<th>Springs</th>
<th>Landside Plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>30</td>
<td>30</td>
<td>40</td>
<td>20</td>
<td>05</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>99</td>
<td>30</td>
<td>30</td>
<td>40</td>
<td>20</td>
<td>05</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>110</td>
<td>30</td>
<td>30</td>
<td>40</td>
<td>20</td>
<td>05</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>120</td>
<td>30</td>
<td>30</td>
<td>40</td>
<td>20</td>
<td>05</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>140</td>
<td>30</td>
<td>30</td>
<td>40</td>
<td>20</td>
<td>05</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
</tbody>
</table>

**Note.** Where blank spaces occur, parts are not made, hence prices are not given.

### HANGING COULTERS.

These are made to any of our Jointer Holders, and take the place of the Jointer where their use is desired.

<table>
<thead>
<tr>
<th>Numbers</th>
<th>Style</th>
<th>Holder</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>No. 55, Wheel Standard, Double</td>
<td>$0.75</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>No. 55, Wheel Standard, Double</td>
<td>$0.75</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>No. 55, Wheel Standard, Double</td>
<td>$0.75</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>No. 55, Wheel Standard, Double</td>
<td>$0.75</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>No. 55, Wheel Standard, Double</td>
<td>$0.75</td>
<td></td>
</tr>
</tbody>
</table>

### HILL-SIDE PLOW REPAIRS.

<table>
<thead>
<tr>
<th>Number of Plow</th>
<th>Wheel Standard</th>
<th>Mouldboard</th>
<th>Standards</th>
<th>Landsides</th>
<th>Cast Shares</th>
<th>Set Handles</th>
<th>Clevises</th>
<th>Wrenches</th>
<th>Wheels</th>
<th>Jointers</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>$2.75</td>
<td>$2.75</td>
<td>$0.65</td>
<td>$0.65</td>
<td>$1.75</td>
<td>$1.00</td>
<td>20</td>
<td>10</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>$4.00</td>
<td>$4.00</td>
<td>$2.25</td>
<td>$2.25</td>
<td>$1.60</td>
<td>$1.00</td>
<td>30</td>
<td>15</td>
<td>1.00</td>
<td></td>
</tr>
</tbody>
</table>

### SHARES.

<table>
<thead>
<tr>
<th>Numbers</th>
<th>Cutter Shares</th>
<th>Plain Shares</th>
<th>Cutter Slip Nose Shares</th>
<th>Plain Slip Nose Shares</th>
<th>Reversible Shares</th>
<th>Cast Reversible Slip</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>10</td>
</tr>
<tr>
<td>B, Vin.</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>10-0</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>13</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>10</td>
</tr>
<tr>
<td>19</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>22</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>E</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>14-A</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>10</td>
</tr>
<tr>
<td>98</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>99</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>119</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>10</td>
</tr>
<tr>
<td>120</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>10</td>
</tr>
<tr>
<td>140</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>10</td>
</tr>
</tbody>
</table>

**Clevises.**

Clevises Marked "A" for One-Horse Plows

- "A", Wheel Standard, Double $0.75
- "A", Hook Holder $0.75
- "A", M. B. Brace $0.75
- "A", B. Brace $0.75
- "A", Lever $0.75
- "A", Handle Part $0.75

### WRENCHES.

For One-Horse Plow $0.10

For Two-Horse Plow $0.10

### BOLTS.

- For Shares $0.03
- For Mouldboards and Landsides $0.03
- Jointer and Coupler Standards, No. 5 $0.03
- End of Handle Brace $0.00
- Jointer and Coupler Holder, No. 6 $0.00
- Wheel Standards (Straight or Hook) $0.00
- End of Beam $0.00
- All other Standards and Beams $0.00
- Spreading Bottom of Handles $0.00

### WHEELS.

Their use is strongly recommended in wet or mellow ground. Can be furnished for nearly all our patterns. See prices below.

- Straight Standard, One-Horse, complete $0.75
- Straight Standard, Two-Horse $0.75
- Standard, One-Horse, Straight $0.75
- Two-Horse, all kinds $0.50
- Wheels only, One-Horse $0.40

**Note.** In ordering Wheels, say if for Right Hand or Left Hand, Wood or Steel Beam Plows.

### JOINTERS.

Decidedly the most important of all plow attachments, and can be used on most of our plows. The plowman who once uses a Jointer n-er-er wants to do without it.

- No. D, Chilled, for One-Horse Plows $1.50
- " 109, " Nos. 120, 125 and 140 Plows $2.00
- " 2, for Two and Three-Horse Plows $2.00
- Jointer Points, Chilled, all numbers $1.50
- Jointer Mouldboards, Chilled, all numbers $1.00

**Note.** In ordering, say whether for Wood or Steel Beam Plows.

**ALL KINDS OF MACHINERY REPAIRED.**
The Hampton Plows.

We have secured the exclusive agency for the sale of these plows in Maryland, Delaware, New Jersey and part of Virginia. They are unexcelled as a trucking plow, being used by truckers extensively, and for a plain cast plow it is one of the Agents wanted in above-named localities.

The Hampton Boy.

SIMILAR IN SIZE AND SHAPE TO BOY DIXIE AND BOY CLIPPER.

But has a higher standard, which makes it less liable to choke. Its beam adjustment is simple and complete, and with its various mouldboards is adapted to a great variety of work. It can be quickly changed from a light truck plow to a medium, and even large one-horse plow, by using the large moulds. Scraper and Potato points are also fitted to this plow, thus covering almost every detail of farm work. The wood-work is handsomely painted, lettered and varnished. Price, with Truck, Mould-board, point and wrench, $3.00.

The Hampton No. 1 and Attachments.

This plow has adjustable handles, beam and brace rod, extras are ground.

The variety of attachments which can be used, siting it for the cultivation of all crops, makes it indispensable to the progressive farmer. It is adapted to all kinds of soil, and will do first-class work in sod or stubble. It has a thorough centre draft, runs lighter than other plows, and is under the complete control of the plowman. It runs so steadily that a ten-year-old boy can operate it with ease. One of the strongest points about this plow is its length of landside, causing it to run perfectly level in all soils.

The beam is provided with both a vertical and lateral adjustment, which is easily effected, as the beam is free from mortises.

All repairs are polished, which prevents sticking, and insures their easy running, and are delivered complete, insurance included.

ECONOMICAL IN WEAR AS WELL AS IN PRICE.

Be sure you get only the genuine repairs, thus avoiding misfits and the dissatisfaction that is sure to follow the use of spurious imitations.

The Hampton No. 5.

This plow is a medium two-horse, very light draft, and sears thoroughly. Front wheel and jointer furnished when desired.

PRICE:

Hampton No. 5, 2-horse ................. 6 50

The following are the principal points of difference between No. 5, Hampton and others on the market:

1. The Hampton No. 5 is the most complete plow now on the market. It can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

2. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

3. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

4. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

5. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

6. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

7. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

8. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

9. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

10. The Hampton No. 5 is the only plow that can be used for any kind of cultivation, and will do all kinds of work as well as any other plows. It is also the most durable and the most economical in wear.

Below see description of repairs and extra attachments:

The No. 1-C mouldboard, illustrated on plow (not cut), is a full-sized one-horse, and turns a strong furrow.

No. 1-B mouldboard (Fig. 3 in cut) is a medium one-horse, does similar work to No. 1-C, but is lighter, and turns a little narrower furrow.

No. 1-A mouldboard (Fig. 2 in cut) is smaller than either the 1-C or 1-B, and turns the furrow more gently. Excellent in clay or stiff lands; is very light draft, and is useful for making deep, narrow furrows for planting seed, plants, etc.

Our truck mouldboard (Fig. 1 in cut) is adapted for cultivating cabbage, berries and other small plants, hilling corn, etc.

Our double mouldboard and point (Fig. 6 in cut) is used for opening furrows and hilling up, and can be attached to the standard by removing the point and mouldboard.

Fig. 5 in cut is a corn and vegetable scraper or weeder, which can be used alone or with any of the single mouldboards on plow. It does excellent work.

Fig. 7 in cut is our cutter or sod-land point. Very popular.

Fig. 8 in cut is our potato digging attachment. Very effective for the purpose.

Price. Includes Truck, Cabbage, and No. 1 B moulds (Figs. 1, 2 and 3 in cut), together with an extra point and wrench suitable for all bolts in plow, $1.00.

All other attachments are sold extra.

Hampton No. 1 Regular with Truck, Mould-board, point and wrench, $1.25

Liberal discounts to the trade.

Plow Handles.

1½x2 inches, 5 feet long ............... per pair, 35c.

1½x3½ inches, 5 feet long ............ " 40c.

ALL KINDS OF MACHINERY REPAIRED.
### CAST PLOWS.

**Minor & Horton High Standard Plows.**

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18.00</td>
<td>No. 18...</td>
</tr>
<tr>
<td>$19.00</td>
<td>No. 19...</td>
</tr>
<tr>
<td>$19.50</td>
<td>No. 19.5...</td>
</tr>
</tbody>
</table>

**Genuine Farmers' Friend Plows.**

<table>
<thead>
<tr>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2.50</td>
<td>No. 5...</td>
</tr>
<tr>
<td>$3.75</td>
<td>No. 8...</td>
</tr>
<tr>
<td>$4.25</td>
<td>3/8 ch Plow, 6...</td>
</tr>
<tr>
<td>$5.00</td>
<td>3/8 ch Plow, 7...</td>
</tr>
</tbody>
</table>

**Plow Clevises.**

<table>
<thead>
<tr>
<th>Style</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A...20c.</td>
<td>B...30c.</td>
</tr>
<tr>
<td>D...50c.</td>
<td></td>
</tr>
</tbody>
</table>

**Plow, Machine & Carriage Bolts and Nuts.**

<table>
<thead>
<tr>
<th>Style</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A...</td>
<td>2c.</td>
</tr>
<tr>
<td>B...</td>
<td>3c.</td>
</tr>
<tr>
<td>D...</td>
<td>5c.</td>
</tr>
</tbody>
</table>

**Extras furnished for most of the other Chilled and Cast Plows used throughout this section, including South Bend, Roland, Syracuse, Bissell, Wiard, &c.**

---

## THE KEYSTONE DEHORNING CLIPPERS.

**The Keystone Dehorning Clipper is the Most Humane, Rapid and Durable Knife on the Market for Dehorning Purposes, and is Made for the Use of Farmers and Dairymen.**

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 veterinary surgeons and leading dairymen.

*"The horns must go, and they cannot go too soon."*

**Price:**

- Clipper, with Leader and Rope, extra: $2.00
- Blades and Screw, fully warranted: $1.00
- Acme Powder Gun: $1.00

---

## Acme Powder Gun.

*Is a simple, practical instrument for exterminating all kinds of Insects, Bugs, Flies, etc. Will last a lifetime, and every farmer should have one. It will handle all insecticides in the dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant Worms and all like pests, and for the wholesale destruction of house flies, using freshly-ground insect powder, cannot be excelled.*

*For Potato Bugs only requires the usual amount of Paris Green, and does its work easily, quickly and well. Acme Powder Gun is well made, constructed with a solid hardwood head block, hardwood handles, best leather for the bellows (an extra elbow is furnished to fill the funnel for getting under leaves of plants and shrubs,) and is well finished throughout.*

---

## Liquid Atomizer.

*For spraying Paris Green and other insecticides on Potato Plants, Shrubs, Small Trees, House Plants, Live Stock and Poultry. A great labor-saver on every farm, and in every garden, barn, greenhouse, or orchard and hennery. It will apply the finest possible spray on any object desired, and exterminate any kind of insect life. Will not corrode. Easily filled, easily emptied. One can fill will poison 600 to 800 hills of potatoes.*

*For Potatoes: Put one rounding tablespoonful of poison into the can; fill with water and thoroughly agitate; should action of valve become weakened from wear, take out the two screws at end of tube; draw out plunger and wrap twine around bevel edge of wood washer, spreading leather with fingers; keep plunger well oiled; funnel is for filling only.*

---
THE IRON AGE HORSE HOE.

One of the most satisfactory implements for a reasonable price. Probably no tool has been so widely imitated as the "Iron Age" Cultivator, the original of this style of implement, and we are quite sure no other tool has kept so far ahead of its imitators. All Steel Frames. A grand, good thing. Sold with or without Lever Adjuster.

This Cultivator was first introduced in 1875, and the thousands now in use make a description unnecessary.

The Iron Age is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoe are bolted to Solid Steel Standards of their own (not attached to light cultivator standards.) The value of the Iron Age as a Corn coverer is now well known, also for covering Peas, Potatoes, etc., and for making up rows for root crops it is not surpassed by any.

### PRICES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Age Cultivator, plain</td>
<td>$3.00</td>
</tr>
<tr>
<td>&quot; &quot; &quot; Horse Hoe and Cultivator, plain</td>
<td>3.75</td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; with Lever</td>
<td>4.00</td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; with Wheel</td>
<td>4.50</td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; with Lever and Wheel</td>
<td>5.35</td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; Cultivator and Corn Coverer combined, plain</td>
<td>5.50</td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; with Lever</td>
<td>6.00</td>
</tr>
</tbody>
</table>

### BALTIMORE FARMERS' FAVORITE AND OLD DOMINION HORSE HOES AND CULTIVATORS.

The Baltimore and Farmers' Favorite have bent Steel Frames.—The only difference between the Farmers' Favorite and Old Dominion Cultivators is that the latter is a little lighter, and F. F. has bent frame. We can furnish the Farmers' Favorite with draft rod when wanted. —The Old Dominion Cultivator is sold principally in Virginia and the South, and wherever sold it becomes a favorite. The Old Dominion has No. 68 plate, and the Baltimore No. 82 plates.

### PRICES.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baltimore Cultivator</td>
<td>$2.50</td>
</tr>
<tr>
<td>&quot; &quot; &quot; Horse Hoe and Cultivator comb'd, 3.50</td>
<td>4.00</td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; comb'd with Wheel 4.00</td>
<td>4.50</td>
</tr>
</tbody>
</table>

### Baltimore Combined Harrow and Cultivator.

STEEL TEETH, DIAMOND SHAPE.

A comparatively new implement, but one every way worthy of purchase by all wide awake farmers. They cannot afford to do without it. Four positions of teeth, doing good work in all crops. This is not to be compared with low-priced Harrows, similar in appearance, but made of common material. The sale in this style tool has been phenomenal. At first we sold quite a number and the indications were for a big trade, but we had no idea that the sales would reach their present proportions. The teeth have four positions. First the position as shown in cut, in which case it can be used for working very close to small plants. Thoroughly pulverizes, but throws no dirt on plants. Second position as a straight tooth harrow. Third position, the teeth can be arranged as a smoothing harrow, with sharp points down, in order to cut and level the surface. Fourth position, the teeth can be set with sheared end down, being less liable to injure young plants.

### PRICE, $3.00

### Cultivator Points and Steels.

PRICES ON APPLICATION.
Hench Improved Riding and Walking Cultivator.

Price:
Pin-Hoe Cultivators .................. $25.00
Spring-Hoe Cultivators............. 30.00
Extra Beam for Cultivating Orchards .......... 2.00

Special price for cash.

This Cultivator has many advantages, as follows:
1st. It has the improved movable spindle by which the operator guides the machine to the right or left at will; can be managed by any boy who can drive a team; has double tongue, giving full view of the corn row.
2d. Each beam or drag bar has lever by which it can be raised independently, and by changing a bolt, both drag bars can be raised or lowered by one lever, and each has an independent spring pressure.
3d. It has also a centre adjusting lever for setting the shovels closer to or from the corn row.
4th. The drag bars couple in front with ball and socket bearings, by which all lost motion and wear can be taken up.
5th. The single-tree rods are connected to the shovel beams and serve as a pressure on the shovels while cultivating, and also assist the operator in raising the shovel beams. They are made with either pin-hoe or spring-hoe attachments.
6th. Two center beams and shovels are furnished with each machine, making an eight-shovel cultivator for fallow cultivating. The three shovel beams on either side can be set closer together or wider apart, and either one can be set to run deeper than the other. They can also be spaced six inches farther apart from front shovel or rear shovel.

In the annexed is seen our six-shovel Corn and Fallow Cultivator, with seventh or middle shovel.

Perfect spring pressure and hoisting device for regulating the shovel beams or drag bars for deep or shallow cultivating.

The high arch permits its use in high corn, and being firmly braced gives it great strength.

We furnish the same patent Spring Hoe that is used on our riding cultivators for rocky or stumpy land, at small extra cost.

Price:
Six-Shovel Cultivator, Pin-Hoe, with two Bull Tongues and two Hilling Shovels .................. $15.00
Seventh or Middle Shovel, extra............... 2.00
Spring Hoe, extra per Hoe ................ 75
Six-Shovel Cultivator, Spring Hoe .................. 20.00

The “Iron Age” as a Fixed Wheel Riding Cultivator.

For a Riding Cultivator needed in very close work we offer the “Iron Age,” No. 2, as being particularly adapted to the cultivation of peas, beans, and all close-grown crops. Its wheels close up to 35° and widen to 43°.

We take pleasure in recommending this implement to all those who have not used Riding Cultivators, owing to the fact that hitherto they have been made of such width that it has been impossible to work them satisfactorily in close rows, and feel confident the market gardener will now find it well suited to his needs.

The “Iron Age” as a Pivot Wheel Cultivator.

Price .................. $35.00

(Special price for cash.)

For cultivation of crops on hillsides, or for work among very crooked and irregular rows, there probably can be no cultivator so well adapted to the purpose as one making use of what we may call pivoted wheels, the wheels being guided by the feet and thus carrying the entire implement, with its gangs of teeth, to right or left, as desired.

It has wonderful ease of guidance, the pivots being vertical, near the wheels, and the ends resting upon hardened steel balls.

The gangs are very rigid in order they may instantly follow the direction by the wheels. For hills sections we are prepared to furnish it with wheels having flanged tires to prevent slipping. Seat is arranged to drop below the arch bar, as shown in cut, or can be adjusted above it.

We would call attention to the great adjustability of the tool, to the fact that the gangs can be reduced to three, or even two teeth each, by the removal of the outside and inside teeth; while it will be noticed that the other valuable features of the rigid frame cultivator have been retained.

ALL KINDS OF MACHINERY REPAIRED.
Genuine Malta Single and Double Shovel Plows and Steels.

There is probably no other tool so generally in use with the farmer that has become so famed as the "Malta" Iron Beam Double-Shovel Plow. Being invented and patented many years ago, the manufacturers count the number that have been made, not by thousands or tens of thousands, but by hundreds of thousands. The "Genuine Malta" Double-Shovel Plow, as it is now made, consists of two solid pieces of iron—milled especially—made extra heavy in the shank and tapered at the point, giving strength where it is most needed. It is provided with Malleable Adjustable Clevis Hook and Handle Braces. Blades are of the best of Open-hearth Steel, full weight and any desired width.

We desire to call particular attention to the "Two Hole" feature in the shank—the most simple, sensible and substantial method yet devised for giving adjustment and long life to the blades. When the blades are new and long, they should be bolted in the upper hole. But after they become worn off at the point, and do not have the proper pitch or angle, they should be dropped to the lower hole. The point of the blade is thereby thrown forward and given the same pitch or angle as when new. By this invention the farmer gets double service out of each and every set of blades he wears out on his Plow, and has them always set properly on the beams. The Plow, therefore, will always do good work, be light in draft and easy to handle.

Prices:

Malta Double-Shovel Plow ............................................ $2.25
Malta Single-Shovel Plow ............................................ 2.25
Farmers' Favorite Double-Shovel Plow .................. 2.25
Farmers' Favorite Single-Shovel Plow .................. 2.00
Baltimore Double-Shovel Plow ..................................... 2.00
Three-Shovel Iron Drag or Farmers' Favorite Triple-Shovel Plow ............. 2.50

"MALTA"
IRON
BEAM
SINGLE
SHOVEL
PLOW.

MALTA AND F. F. SHOVEL PLOW SHAPES AND HARROW TEETH.

Our manufacturers of these goods are among the largest producers of Polished Plow Shapes and Steels in the United States. They use nothing but the very finest grades of agricultural steel, and great care is taken to see that all patterns are cut true to gauge and properly formed. Always on hand, Steels for Iron Age, Hench and Dromgold, Champion, Brown and Buckeye Riding and Walking Cultivators. Also Steels without bolts for all leading styles of Riding and Walking Cultivators, which any blacksmith can fit to almost any machine.

Darnell's Patent Furrower and Marker,
Improved.

Strong, light and durable. A Half Dozen Tools In one, and each worth the purchase price. Runs steadily, and cannot be choked. Adjustable throughout. Gauge self-adjusting to all inequalities of ground.

Every part well made of good material, and no end to its wear and usefulness. Broad runners of wrought T angle iron with rib to prevent sliding on side hill. Revolving discs or furrowers, fifteen inches in diameter, with chilled hub and steel axle, cutting a clean, straight furrow. Shipping weight, 140 pounds.

Price ........................................................................... $15.00

ALL KINDS OF MACHINERY REPAIRED.
Adjustable Steel Frame Lever Harrow.

This Harrow can be used as a straight-tooth pulverezing Harrow, or as a straight-tooth smoothing Harrow. By means of the Lever the teeth can be set straight or to any desired slant. The beams are made of iron tubing, and the teeth pass through the same, and are threaded and held firmly in place by a tap. If stalks and trash accumulate on the teeth when used as a straight-tooth Harrow, the teeth can be changed in a moment, by means of a Lever, to a smoothing position, for clearing off the same. As a smoothing Harrow it never clogs, all rubbish being cut in two, or passing down and off the ends of the teeth, and completely buried. For cultivating young corn in its early stage it is admirably adapted. Specially adapted to cultivating wheat in the spring.

Price, with 50 teeth, $12.00; with 70 teeth, $14.00. Special Discount for Cash.

Crescent Spike-Tooth Lever Harrow.

This is a steel frame and steel spike-tooth Harrow. The bars into which the teeth are fastened consist of two pieces of steel crescent shaped, forming a tube or pipe; the teeth are clamped in square holes between these crescents by bolts, so that in case the teeth are to be reversed it is only necessary to loosen the bolts, turning the teeth around, and then tightening in place. It is held in place so tight that it is impossible for any of the teeth to get out of line. The lever acts as any other lever does on harrows. An elegant pulverizing harrow.

Prices.—With 50 teeth, $11.00; 60 teeth, $12.00; 70 teeth, $15.00; 90 teeth, $17.00.

Special Discount for Cash.

"U" Bar Steel Lever Harrow.

Sizes 2, Sec. 50—6-inch teeth, $11.00
Sizes 2, Sec. 50—5-inch teeth, 12.00
Sizes 3, Sec. 75—5-inch teeth, 16.00
Sizes 3, Sec. 90—6-inch teeth, 17.00

Baltimore Double-hinge Harrow.

This is a two section, wood frame, spike-tooth Harrow. It is so coupled that each section has a vibratory motion, independent of the other. It is simple and durable. The frame is of hard wood, nicely finished and painted. The runners, as seen in the cut, are intended to be used in carrying the Harrow from one field to the other; the value of this feature any good farmer will appreciate. It cuts 6 feet 6 inches, and contains 40 teeth. Price, $10.00.

Special Discount for Cash.

Gardener's Harrow.

This Harrow is similar to the above, only it is made in one section instead of two. It is just the thing for small, hilly farms, or for market gardeners, being Harrow to be straigh-tooth, smoothing and is the essence of convenience in handling and getting around in small garden plats, etc. We furnish this Harrow with 20 teeth, which cuts 4 feet 6 inches wide, and with 24 teeth, cutting 3 feet 8 inches wide. Price, with 24 teeth, $6.00; with 30 teeth, $6.50.

Special Discount for Cash.

FULL LINE OF HARROW EXTRAS ALWAYS ON HAND.
Hench & Dromgold Improved Walking or Riding Spring Tooth Lever Harrow, on Wheels.

This Harrow has become so well known, and our sales have increased over those of last year to such an extent that we have found it a hard matter to keep a supply on hand to meet all wants, and the factory has been taxed to its utmost capacity, running day and night.

It is an established fact that land prepared by a Spring Tooth Harrow, for wheat, is the most acceptable and common-sense method, but the complaint of some has been heavy draft. Now, to meet that objection, a set of wheels has been added; consequently the half as less the draft is lessen, the draft of a horse less than on the float spring tooth harrow; fifteen inches can be worn off the teeth by the use of the lever, and the ratchets; the slat can be removed in a second; the lever can be attached to the middle rollers, if so desired, when used alone for riding; and the wheels, when the teeth are set the desired depth, prevent its going deeper than required by the operator, and consequently it cuts the same depth in case soft or hard ground is encountered alternately. The front wheels are pivoted and the ever is attached to the pivoted wheels, so that the harrow will draw at ease after the horses, causing it to draw straight, each tooth in its own course or way. It is also admirably adapted to putting corn land in condition for seeding wheat, as the depth is easily and immediately regulated by the lever. It is pivoted in the centre, 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.

Fifteen Tooth Harrow, without seat... $15.00
Seventeen Tooth Harrow, without seat... 17.00
Nineteen Tooth Harrow, without seat... 18.00
Twenty-one Tooth Harrow, without seat... 19.00
special discount for cash. If seat is wanted, price will be $1.00 extra.

Hench & Dromgold’s All Steel Frame Spring-Tooth Harrow.

Daisy Cultivator on Wheels.

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 can also show the ratchets; the slat can be removed in a second, 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 “I” Beam steel; the rollers or bars are also of steel, the castings being malleable, and the best steel used in our teeth makes it one of the most durable and complete cultivators or small harrows ever offered to the public. We solicit your patronage.

Retail Price:

<table>
<thead>
<tr>
<th>Teeth</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>$7.75</td>
</tr>
<tr>
<td>8</td>
<td>$8.75</td>
</tr>
<tr>
<td>9</td>
<td>$8.75</td>
</tr>
<tr>
<td>10</td>
<td>$10.25</td>
</tr>
<tr>
<td>11</td>
<td>$10.75</td>
</tr>
</tbody>
</table>

One pair of handles, including braces, 75c.

rows. It is built with 6 or 8 teeth, but can be used with 5, 6, 7 or 8 teeth, as desired. By simply unbolt- ing 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 centre, it makes a 5-tooth Cultivator.

Price of 6-tooth Cultivator, with wheel... $5.00
Price of 8-tooth Cultivator, with wheel... $6.00
Price of 10-tooth Cultivator, with wheel... 7.00
Extra teeth, each... 60c.
The Empire Wheel Harrow.

SIMPLE AND VERY STRONG.

(Made with 16, 18 or 20 Teeth.)

THE RIDING ATTACHMENT is independent of the Harrow, and the draft is direct from the evener.

THIS HARROW is practically independent of the wheel attachment, and when the levers are thrown forward and teeth raised, or when teeth have entered the ground, the frame rests upon the axle and supports.

OBSERVE that there is a draft rod running from the draft elevators to the small elevators attached to the seat stick iron, which has holes for adjusting, raising or lowering the draft rod, which to a certain extent controls the front end of the Harrow.

THE SIDE BARS or supports attaching the end of the axle to the center tooth bar have an end play of one inch, so that there is no draft upon them, and are used to steady, transport, and gauge the depth of cut, and as the teeth enter the ground, the frame settles down and rests upon the supports (the depth being governed by the lever), carrying the weight of the frame upon the wheels, overcoming the friction caused by the wheels being attached rigidly to the frame, and instead of the frame and teeth carrying the weight and weight of the operator, when the teeth are at work in the ground, the frame and operator are carried on the wheels, consequently lessens the draft.

THE FRAME is independent, and either section can be raised, that is, lifted up, and the lever operated from the seat as easily as if operated from the ground.

THE FRONT END is supported by either shoes.

Special Discount for Cash.

Genuine Perry Wood Frame Harrow. 
IRON CLAD.

Special Discount for Cash.

This is, without doubt, one of the best Float Harrows on the market, and our very large sales during the season just passed testify to this fact.

It is particularly desirable in cloddy 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. Simplicity itself, and very strong.

14 and 16-Tooth Harrows...$13.50
18-Tooth Harrows........... 12.00
20-Tooth Harrows........... 13.50

Stevens' Spring Tooth Harrows.


We are also furnishing the Stevens' Harrow, with new lever or shoe attachment, making it a perfect lever harrow; prices, $2.00 each higher than Stevens' Plain Harrow.

Prices:

14 and 16-Tooth Harrows...$14.00
18-Tooth Harrows......... 15.00
20-Tooth Harrows......... 16.00
22-Tooth Harrows......... 17.00

Special Discount for Cash.

Spring Harrow Teeth.

For leading Harrows, including Hench & Dromgold, Stevens, Blaker, Perry, Child's U. T. K., Tiger, Buffalo Pitts, etc. Price, 50 cents each.

SPIKE HARROW TEETH AT LOWEST PRICES.

FULL LINE OF HARROW EXTRAS ALWAYS ON HAND.
Bell's Center Cut Disc Harrow.

MADE OF STEEL WITH DOUBLE LEVERS.

It Leaves No Centre Ridge.

The great trouble heretofore has been to have a disc Harrow that would cut out the centre ridge. How to reach that ridge and cultivate an even surface has been the problem. It is now solved by BELL'S CENTRE-CUT. It reaches the centre ridge, cuts it out, and pulverizes all the ground from outside to outside, leaving a smooth surface behind it. The importance of this sure cultivation to an even depth and leaving no uncultivated ground, cannot be overestimated. There will be no rows of weeds between the grain, as this Harrow cuts all of the roots below the surface. No weight on horse's neck; no side draft. If it cultivates 12 per cent. more, and pulls 30 per cent. lighter draft than any other solid disc Harrow, how much more is it worth?

No. 1. Bell's Centre-cut Harrow, with 13 discs, steel frame neck yoke and 3-horse eveners... $30.00

Special prices for cash.

THE ONLY OVERLAPPING HARROW.

Mark this Statement.

This is positively the ONLY DISC HARROW ever made that has no particle of weight on the horses' necks.

This cut shows all the attachments for this Harrow for keeping the gangs in the ground—valuable features which are possessed by no other machine.

"Druid" Disc Harrow.

LIGHT RUNNING.
ALL STEEL.

Is all that its name implies. It has many advantages over the wood frame Harrow, and, in addition, will last longer. While almost any disc harrow will do fair work under the most favorable circumstances, only the BEST will stand the test at all times and under all the various conditions of soil. The cut shows the Harrow up in excellent shape, giving the construction in detail, including the most perfect set of gang scrapers made.

<table>
<thead>
<tr>
<th>No.</th>
<th>Discs.</th>
<th>Ins. Feet of Cut</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>$20.00</td>
</tr>
<tr>
<td>00</td>
<td>8</td>
<td>16</td>
<td>$20.00</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>16</td>
<td>25.00</td>
</tr>
<tr>
<td>12</td>
<td>12</td>
<td>10</td>
<td>25.00</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>12</td>
<td>30.00</td>
</tr>
</tbody>
</table>

Can also furnish a cheaper line of Disc Harrows.

Special prices for cash.

ALL KINDS OF HARROW REPAIRS ON HAND.
The Ohio Butchering Derrick.

THE GREAT LABOR SAVER.

The Derrick is made of first-class hardwood, finished in oil and varnished. Strong enough to swing up the largest hog, and room enough on it for four or more. It can be taken apart and put together within a few minutes; can be folded up closely and packed away in the hay loft during the summer. The hot water barrel may be placed within easy distance, and the whole pig ducked at once and as long as may be necessary. Strong, durable, always ready for business.

DESCRIPTION.—From the pulley to the ground, 9 ft.; length of derrick, 9 ft. 6 in.; track, 6 ft. 9 in. from the ground; braces, 6 ft. 8 in. wide at the bottom. Each Derrick furnished with four gammon sticks, four pulleys, four head hooks, twenty feet manilla rope, malleable iron stay rings, a windlass of easy sweep. Thoroughly well braced with proper cast iron supports to the crane. Weight, 150 lbs.

Price

...21...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
Wooden Neck Yokes.

IRONED, COMPLETE.

Price .......... 75 cents.

Single, Double and Triple Trees.

IRONED, COMPLETE.

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 inch Southern</td>
<td>Single Trees</td>
<td>$0.25</td>
</tr>
<tr>
<td>26 &quot; Extra Nailed</td>
<td>&quot;</td>
<td>40</td>
</tr>
<tr>
<td>26 &quot; Heavy Single</td>
<td>&quot;</td>
<td>50</td>
</tr>
<tr>
<td>34 &quot; &quot;</td>
<td>&quot;</td>
<td>60</td>
</tr>
<tr>
<td>36 &quot; &quot;</td>
<td>&quot;</td>
<td>75</td>
</tr>
<tr>
<td>28 inch Southern</td>
<td>Double Trees</td>
<td>$0.75</td>
</tr>
<tr>
<td>30 &quot; Heavy</td>
<td>&quot;</td>
<td>1.00</td>
</tr>
<tr>
<td>40 &quot; &quot;</td>
<td>&quot;</td>
<td>1.10</td>
</tr>
<tr>
<td>Extra Heavy Triple</td>
<td>Trees</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Oval, Lap or Open Rings: 30c. each. Chain Repair Links, 30c. per doz.

Sets of Welded Clips.

FOR SINGLE TREES.

<table>
<thead>
<tr>
<th>No. 28, 30, 34, Southern</th>
<th>Description</th>
<th>Price Per Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 Centre ¼ inch Clip</td>
<td>welded, with 1/4 inch Hook</td>
<td>$0.20</td>
</tr>
<tr>
<td>30 Centre 9/16 inch Clip</td>
<td>welded, with 7/16 inch Hooks</td>
<td>2.50</td>
</tr>
<tr>
<td>34 Centre 9/16 inch Clip</td>
<td>welded, with 7/16 inch Hooks</td>
<td>3.00</td>
</tr>
</tbody>
</table>

FOR DOUBLE TREES.

<table>
<thead>
<tr>
<th>No. 36, 40, Southern</th>
<th>Description</th>
<th>Price Per Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 Centre ¾ inch Clip</td>
<td>welded, with 9/16 inch Hooks</td>
<td>2.50</td>
</tr>
<tr>
<td>40 Centre ¾ inch Clip</td>
<td>welded, with 9/16 inch Hooks</td>
<td>4.00</td>
</tr>
</tbody>
</table>

ALL KINDS OF MACHINERY REPAIRED.
These goods are no longer an experiment, they have stood, for the past five years, the surest practical tests. They are tapered from centre to end and flattened, giving great strength. Practically speaking, indestructible. We can furnish this pattern for heavy contractors work with or without staple centre of evener; evener has hole in centre instead of hook. Made in 5 sizes. Also furnish same for use on wagons, hole in centre, but without staple in centre of evener. Made in 4 sizes.

**Plow Doubletrees in Sets, complete.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity, 2,000 lbs.</th>
<th>Length, 33 x 28 inches.</th>
<th>Price per set</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-</td>
<td>For light plowing.</td>
<td>3,000</td>
<td>36 x 30</td>
<td>$2 50</td>
</tr>
<tr>
<td>2-</td>
<td>ordinary</td>
<td>4,000</td>
<td>36 x 301/2</td>
<td>3 00</td>
</tr>
</tbody>
</table>

In ordering, please state length of evener, also length of singletrees and if rings or cock eye hooks are required for trace attachment.

**Contractors' Doubletrees (Chicago Pattern).**

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity, 5,000 lbs.</th>
<th>Evener, 40 to 48 inches long.</th>
<th>Singletrees, 34 to 36 inches long.</th>
<th>Price per set</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-</td>
<td></td>
<td>8,000</td>
<td>50 to 52</td>
<td>50</td>
<td>6 50</td>
</tr>
<tr>
<td>2-</td>
<td></td>
<td>10,000</td>
<td>50 to 54</td>
<td>50</td>
<td>7 00</td>
</tr>
</tbody>
</table>

In ordering, please state length of evener, also whether rings or cock eye hooks are required for trace attachment.

**Farm Wagon Doubletrees.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity, 1,500 lbs.</th>
<th>Evener, 40 to 12 inches long.</th>
<th>Singletrees, 30 to 32 inches long.</th>
<th>Price per set, $3 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-</td>
<td></td>
<td>4,000</td>
<td>44 to 46</td>
<td>4 00</td>
</tr>
<tr>
<td>2-</td>
<td></td>
<td>6,000</td>
<td>46 to 48</td>
<td>4 50</td>
</tr>
<tr>
<td>3-</td>
<td></td>
<td>7,000</td>
<td>48 to 50</td>
<td>5 00</td>
</tr>
</tbody>
</table>

**Southern Plow Singletrees.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity, 1,500 lbs.</th>
<th>Evener, 40 to 12 inches long.</th>
<th>Singletrees, 30 to 32 inches long.</th>
<th>Price per set, $3 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-</td>
<td></td>
<td>4,000</td>
<td>44 to 46</td>
<td>4 00</td>
</tr>
<tr>
<td>2-</td>
<td></td>
<td>6,000</td>
<td>46 to 48</td>
<td>4 50</td>
</tr>
<tr>
<td>3-</td>
<td></td>
<td>7,000</td>
<td>48 to 50</td>
<td>5 00</td>
</tr>
</tbody>
</table>

**Neck Yokes.**

This cut represents our No. 2 Neck Yoke, which is very suitable for Farm Wagons and similar work.

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity, 38 inches long.</th>
<th>Price per set, $1 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Neck Yoke, 38 inches long.</td>
<td></td>
</tr>
</tbody>
</table>

**ALL KINDS OF REPAIRS ON HAND.**
Baltimore Garden Barrows.

These are the best Garden Barrows that we make. The material used in the construction is of superior quality, nicely painted and neatly finished in every respect. The wheels are of wood, with wood hub, put together in the strongest possible manner. The tire is set by steam pressure, which shortens the iron in the tire, and reduces the diameter of the wheel, bringing the spokes up tight in every joint.

Iron leg braces are thoroughly bolted, not held by screws. The wheels have iron bands shrunk on end of hub. The spokes, maple or beech, shaped, not turned.

No. 2.—SMALL SIZE

| Inside measurement of box: 21 inches long, 15-1-2 inches wide at wheel end, 18 inches wide at handle end, 9 inches deep. Has 16 inch wheel, 1-1-4 inch tread, and 1-2 inch gudgeon. Nicely painted and striped. | OR BOYS’ BARROW.
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Price $3.50</td>
</tr>
</tbody>
</table>

No. 4.—MEDIUM SIZE

| Inside measurement of box: 26-1-2 inches long, 18-1-2 inches at wheel end, 23 inches wide at handle end, 12 inches deep. Has 20 inch wheel, 6 or 8 spokes, 1-1-2 inch tread, 1-2 inch gudgeon. Painted green or blue. Bottoms matched and glued. Nicely painted and striped. | OR MAN’S BARROW.
| --- |
| Packed for export, one dozen measure 25 cubic feet. | Price $3.25

No. 5.—LARGE SIZE

| Inside measurement of box: 28 inches long, 20 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has 22 inch wheel, 6 or 8 spokes, 1-1-2 in. tread, 1-2 inch gudgeon. Finished as above. Packed, measure 50 cubic feet. | OR MAN’S BARROW.
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Price $4.00</td>
</tr>
</tbody>
</table>

Maryland Garden Barrow.

The measurements of these Barrows range from 46 to 65 cubic feet per dozen when packed for export. In general construction these Barrows are put together like the Baltimore, with the exception of brace between the handles and the regular handle bars, distinctions that are readily seen in the cuts.

No. 3.—MEDIUM SIZE

| Inside measurement: 28 inches long, 17 inches wide at wheel end, 22 inches wide at handle end, 11 inches deep, 13 inch wheel. Bottoms matched and glued. Painted green or red; striped and varnished. | Price $3.25 |

No. 2.—MEDIUM LARGE SIZE

| Inside measurement of box: 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep, 20 inch wheel. Bottoms matched and glued. Nicely painted, blue, green or red, or oiled, varnished and striped. | Price $3.50 |

No. 1.—LARGE SIZE

| Inside measurement of box: 32 inches long, 22 inches wide at wheel end, 27 inches wide at handle end, 12 inches deep, 20 inch wheel. Bottoms matched and glued. Nicely painted and striped. | Price $4.00 |

ALL KINDS OF REPAIRS ON HAND.
These Barrows are, without exception, the strongest and best made Barrows for the purpose on the market. They have full sized trays, edges shaved, bolted to legs, and well bolted and braced in front.

THE BALTIMORE WOOD WHEEL CANAL BARROW.

This Barrow has an iron hub, wood wheel. The hub is of grey iron, hardened, the two sections driven by special machinery into the proper place on the spokes, and the hub flanges securely riveted by four heavy rivets. The tire is set as described on the Garden Barrow page. Only 8 spokes are used, thus allowing the felloes to be thicker than usual and spokes heavier. The wheel revolves on a bolt through the hub, which passes through handle and acts as an extra brace to the Barrow when the load is being dumped. The wheel is 18 inches in diameter, 1-1/2 inches on the tread, hub 6 inches long, spokes 11-1/8 inches. Price.......................... $2.00.

THE BALTIMORE STEEL WHEEL CANAL BARROW.

Generally similar to the above, with the exception that it has a steel wheel, and the legs joined and bolted to handles. Price.......................... $2.25.

THE PLAIN BOLTED CANAL BARROW.

Ordinary size; belt tray; planed on both sides; legs bolted to handles and well braced. Very strong, durable and cheap. Furnished with wood or steel wheel. When packed for export, these Barrows measure from 28 to 33 cubic feet per dozen. Price, Wood wheel.......................... $1.50
Steel wheel.......................... 1.75

COAL AND MORTAR BARROWS.

Top is iron banded, strongly braced and bolted; has large capacity. Price.......................... $1.00

ALL KINDS OF MACHINERY REPAIRED.
Tubular Frame, Solid Pressed, Steel Tray Barrow.

Handles are bent so as to form braces on front end of tray, and a fulcrum when dumping barrow over wheel. Prevents tray striking on corner when hauled on the ground and prevents tray from run back on wheels. Handles are joined under tray by two cross bars with loops on ends, and are securely clamped by bolts that pass through the tray and cross bars. The full strength of the handles is retained, having no holes drilled through. Legs and braces are very strong. The trays are pressed from a single piece of steel; very smooth, free from rivets, seams, crimps and overlaps; have a narrow flange around edges, giving strength and adding to appearance. Trays, wheels and frames pack very conveniently in one-quarter, one-half and 1 dozen bundles.

A 1—Tray, 16 gauge, steel; capacity 3 cubic ft., weight, 58 lbs.; wheel, 17 in. diameter; tire, 1-3/4 in.; eight 5/8 in. spokes, shouldered and riveted; axle, 3/4 inch. For moving earth, ashes and light work. Price, $5.00.

Wood Frame, Solid Pressed, Steel Tray Barrow.

There are some very strong points about this Scraper—facts that are indisputable: It measures the amount of work done. The lifting lever is very powerful; working parts, of steel, are few and simple; automatic yet free from springs or cumbersome traps. The adjustable hooks that prevent Scraper from dumping while filling, are on the pan, out of the way of obstructions. The hooks on the hounds are very heavy. Positive action of hooks on hounds under those on side of pan; no slipping; no dumping while filling. High axle; spindles thoroughly protected from sand and dirt; snatch rod extends back to double-tree, practically taking weight off horses' necks.

The trouble heretofore with Wheel Scrapers has been the breaking swiveling and bending of hounds on tongue, throwing working parts out of line, thereby preventing satisfactory work. All this is obviated in this Scraper. Following are some of the points of improvement: Hounds are doubled on tongue, strengthened by a system of braces and supports. The double hounds, joined by heavy piece of steel, set edgewise, passing through strong loop, extending around end of tongue, preventing twisting or sagging, permitting no failure of hooks on hounds catching on adjustable hooks on side of pan when lever is thrown forward for filling. Stationary hooks on hounds are strong and heavy, well braced, and securely riveted.

SUGGESTIONS AND DIRECTIONS FOR USING WHEELER.

Always raise the Scraper out of the ground while the team is in motion. See that all the bolts on the Scraper are drawn up tight and all the bearings kept well oiled.

Haslup Round Back, Solid Pressed, Drag Scraper.

Haslup Patent Wheel Scraper.

IT LEADS.

Scraper well it needs an extra team in filling, and each No. 3 Wheeler is complete with a snatch rod. The snatch rod is placed under the double-tree, practically taking all weight off the horses' necks.

Scraper is in upright position until the foot piece on the end of the lifting device comes in contact with the lug on the hounds. Raise on the handles of the scraper box until the point catches in the ground. The Scraper will run perfectly level and regulate the depth itself. When the Scraper is full, bear down on the lever until the hook catches on the back of the pan.

ORDER BY NUMBER ONLY—WE MAKE THREE SIZES.

No. 1, capacity 9 cubic feet, weight 375 lbs., Price, $25.00.

No. 3, 17, 50 lbs., 30.00.

No. 3, 17, 50 lbs., 30.00.

Haslup Round Back, Solid Pressed, Drag Scraper.

FULL LINE OF HARROW EXTRAS ALWAYS ON HAND.
IN SHOVELS AND SPADES

we carry a large line, including Solid Cast Steel, Socket, Welded and Riveted styles. We enumerate only a few of the leading styles and makes for want of space, but can furnish almost everything in this line from the very BEST WARRANTED GOODS to the cheaper grades.

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2—Long Handle, Round Point, Griffith Steel Warranted Shovel</td>
<td>$100</td>
</tr>
<tr>
<td>&quot; 2-1: Ames</td>
<td>$15</td>
</tr>
<tr>
<td>&quot; 2-1: Rowlands Steel</td>
<td>$15</td>
</tr>
<tr>
<td>&quot; 2-1: Hills</td>
<td>$75</td>
</tr>
<tr>
<td>&quot; 2-1: Steel Socket Shovels</td>
<td>$75</td>
</tr>
<tr>
<td>&quot; 2-1: Riveted Shovels</td>
<td>$50</td>
</tr>
</tbody>
</table>

Scoop Shovels of all sizes always on hand. Wood and Wire Potato Scoops—different styles in stock.

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2—D. Handle, Square Point, Griffith Warranted Shovel</td>
<td>$100</td>
</tr>
<tr>
<td>No. 2—D. Handle, Square Point, Ames Warranted Steel Shovel</td>
<td>$100</td>
</tr>
<tr>
<td>No. 2—D. Handle, Solid Socket, Steel Shovel</td>
<td>$75</td>
</tr>
<tr>
<td>No. 2—D. Handle, Riveted Shovels</td>
<td>$50</td>
</tr>
</tbody>
</table>

Many other sizes and styles always on hand.

**TURF EDGERS.**

No. 40—Solid Steel Turf Edger, with Handle .................................... retail ... 50 cents.

**THISTLE AND DOCK CUTTERS.**

No. 30—Steel Thistle and Dock Cutters, with Handle and Foot Rest ............ retail ... 50 cents.

**POTATO AND MANURE HOOKS.**

No. 9—4-Tine Angular Back Cast Steel Potato Hooks ................................ retail ... 40 cents.
No. 8—5-Oval Tined Malleable Potato Hooks ......................................... retail ... 25

**SCYTHE SNATHS,**

<table>
<thead>
<tr>
<th>Description</th>
<th>Retail Price</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2—Plain Snath (Heavy)</td>
<td>$50</td>
<td>$6.50</td>
</tr>
<tr>
<td>&quot; 3— &quot; (Light)</td>
<td>$40</td>
<td>$7.50</td>
</tr>
<tr>
<td>&quot; 60—Patent Loop Bolt Snaths</td>
<td>$60</td>
<td>$10.00</td>
</tr>
<tr>
<td>&quot; 10—Patent Bush Scythe Snaths</td>
<td>$60</td>
<td>$11.00</td>
</tr>
<tr>
<td>&quot; 20—Two-Ring Bush Scythe Snaths</td>
<td>$60</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

**HAND-MADE GRAIN CRADLES.**

Made from the Best Material with ENGLISH and AMERICAN BLADES.

Hand-Made Schwab Cradle, with English Waldron Blade ........................ retail ... $4.50
Hand-Made Schwab Cradle, with American Blade .................................... retail ... $3.50

Factory-Made American Blade .......................................................... $3.00
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 Price

Wm. Mann's Celebrated Red Warrior Axes

3 Each.

W. Stewart's Superior Steel Axes

70

Robt. Mann's

Extra Steeled.

59

Marshall Bro.'s

50

Hachettes—Half Pattern and No. 2 Shingling.

25 to 80c.

AXE HANDLES.

No. X. Extra Selected 2d Growth all White Hickory Axe Handles, $ 1.

10

2d Growth all White Hickory Axe Handles...

15

3. White and Red Hickory Axe Handles...

10

ROPE, FODDER, YARN AND BINDER TWINE.

We keep a full line of Manilla, Sisal and Cotton Ropes, including all sizes from 5-16 up. We make a specialty of 3d, 13-16 and 3/4 Hay Fork Rope.

Complete line of Twines and Fodder Yarn always on hand.

We make a specialty of BINDER TWINE and carry a large stock of all grades in season. Prices quoted on application.

WROUGHT SCREW AGRICULTURAL WRENCHES.

6-inch. 8-inch. 10-inch. 12-inch. 15-inch.

Retail Price, each.

$ 25 35 50 60 75

List Price, per doz.

9 00 10 00 12 00 14 00 24 00

AXE GREASE, OILS AND OIL CANS.

AXLE GREASE.

Hayes' Axe and Machine Grease is made from pure lubricating oils, does not contain any water, refuse, soap, or Fuller Earth, will not gum or corrode and will last longer than most goods of the kind. It is sold on its merits, is suitable for any kind of work, light or heavy, or any season of the year. This grease is packed in neat tin cans and buckets, of all sizes, to suit the trade. The advantages of carrying grease in tin cans are: First, none of the oil drys out or is absorbed by the package; secondly, the boxes carry better and are much more easily handled by the merchant.

PRICES.

1-lb. cans 6 cents each.

15-lb. buckets 75 cents.

CHEAPER GRADES IN STOCK.

We are headquarters for a full line of Lubricating Oils. Our celebrated Farmers' Favorite Harvester Oil is a first-class article, pronounced and recommended by all who have used it as the best to be obtained for the money. Price, 65 cents per gallon, in One Gallon Cans. No. 1 Can Oil, Price 75 cents per Gallon. Special prices in barrel and half-barrel lots.

OIL CANS.

We carry in stock a full line of Oil cans for all kinds of farm machinery, including the Oval, Round, Dome and Chase styles. Price, 10c. each.

No. 1, Bent or Straight Stem. Oval. No. 2, " " Round. No. 3, Chase.

RUBBER BELTING.

WITH SMOOTH, METALLIC RUBBER SURFACE. FOR AGRICULTURAL AND OTHER MACHINERY.

List, Retail.

Prices for 3-ply, per ft. 3 in. 25c. 15c.

" " 3-ply, 3½ 30c. 15c.

" " 3-ply, 4 34c. 14c.

" " 3-ply, 5 38c. 21c.

" " 3-ply, 6 52c. 21c.

" " 4-ply, 3½ 35c. 15c.

" " 4-ply, 4 39c. 17c.

" " 4-ply, 5 43c. 17c.

" " 4-ply, 6 57c. 21c.

" " 4-ply, 7 61c. 25c.

List, Retail.

Prices for 4-ply, per ft. 3 in. 29c. 15c.

" " 4-ply, 3½ 34c. 15c.

" " 4-ply, 4 38c. 17c.

" " 4-ply, 5 42c. 21c.

" " 4-ply, 6 56c. 25c.

RUBBER HOSE.

Internal Diam., 3/4 in., per foot, 40c. 20c.

Suitable for Hydrants, Force Pumps, Garden Engines, Street Sprinkling, etc.

List, Retail.

" " 3/4" 39c. 15c.

" " 1" 40c. 20c.

HOSE REELS.

Will carry about 75 feet 3/4-inch hose. Each, 75 cts.

REPAIRING LAWN MOWERS A SPECIALTY.
These Chains are very light and possess Great Strength, all links possessing equal strength. This is of great advantage over other makes of chain.

**Special Features**—They do not kink, have no welds to give way, and have no sharp edges.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Each</th>
<th>Per Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-0</td>
<td>Triumph Cow Tie (Ohio pattern)</td>
<td>$0 25</td>
<td>90 75</td>
</tr>
<tr>
<td>4-0</td>
<td></td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>5-0</td>
<td>4½ ft. Triumph Halter Chain</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>5-0</td>
<td>6 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>5-0</td>
<td>7 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>5-0</td>
<td>3½ ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>6-0</td>
<td>3½ ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>7-0</td>
<td>6 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>1-0</td>
<td>30 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>0-0</td>
<td>50 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>0-0</td>
<td>75 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
<tr>
<td>0-0</td>
<td>90 ft.</td>
<td>30</td>
<td>2 25</td>
</tr>
</tbody>
</table>

**Patent Sleeve Chains.**

We call especial attention to the following features—It is made from steel wire with the ends of the metal inserted into a closely fitting malleable iron sleeve. As these ends abut against the continuous portion of the link, they form a cross-bar, and the more strain placed on the link the tighter the ends are forced together.

This chain is the only Patented chain which has no Unprotected Ends, and is free from obstructions and projections. We offer same in Cow Tie and Long and Short Traces, No. 6 Size.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Each</th>
<th>Per Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 5</td>
<td>6 to 7 lb. Best Quality Warranted R. R. Picks</td>
<td>$0 80</td>
<td></td>
</tr>
<tr>
<td>2, 6</td>
<td>7 lb. Best Refined Iron R. R. Picks (Steel Points)</td>
<td>50  $16 00</td>
<td></td>
</tr>
<tr>
<td>3, 6</td>
<td>6 to 7 lb. Best Refined Steel R. R. Picks (Steel Cutters)</td>
<td>50  $10 00</td>
<td></td>
</tr>
<tr>
<td>4, 6</td>
<td>6 lb. Grub Hoes (Steel Bit)</td>
<td>50  $10 00</td>
<td></td>
</tr>
<tr>
<td>5, 6</td>
<td>4 lb. Kennel</td>
<td>50  $10 00</td>
<td></td>
</tr>
<tr>
<td>6, 6</td>
<td>4 lb. Tethering Chain heavy</td>
<td>50  $10 00</td>
<td></td>
</tr>
</tbody>
</table>

**Mattocks, Picks and Grub Hoes.**

**Regular Iron Breast Chains, Traces, Tug, Log and Fifth Chains.**

**Picks.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Retail price</th>
<th>List price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 6</td>
<td>6 to 7 lb. Best Quality Warranted R. R. Picks</td>
<td>$0 80</td>
<td></td>
</tr>
<tr>
<td>2, 6</td>
<td>7 lb. Best Refined Iron R. R. Picks (Steel Points)</td>
<td>50  $16 00</td>
<td></td>
</tr>
</tbody>
</table>

**Pick and Mattock Handles.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Retail price</th>
<th>List price</th>
</tr>
</thead>
<tbody>
<tr>
<td>X, 1</td>
<td>Best Quality, Selected, 2nd Growth Hickory Pick Hdl.</td>
<td>25c</td>
<td></td>
</tr>
<tr>
<td>X, 2</td>
<td>Mixed White and Red</td>
<td>10c</td>
<td></td>
</tr>
</tbody>
</table>

** ALSO ASH HANDLES—DIFFERENT GRADES.**

**ALL KINDS OF REPAIRS ON HAND.**
**STORE TRUCKS.**

**BALTIMORE STORE TRUCK.**

Best light Truck made for the money.

List Price: $4.00  
Retail Price: $2.00

**NEW YORK PATTERN.**

**HALF STRAPPED.**

<table>
<thead>
<tr>
<th>No.</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$4.40</td>
<td>$2.45</td>
</tr>
<tr>
<td>1</td>
<td>4.60</td>
<td>2.55</td>
</tr>
<tr>
<td>2</td>
<td>6.10</td>
<td>3.35</td>
</tr>
<tr>
<td>3</td>
<td>8.00</td>
<td>4.40</td>
</tr>
<tr>
<td>4</td>
<td>9.50</td>
<td>5.25</td>
</tr>
<tr>
<td>5</td>
<td>11.50</td>
<td>6.35</td>
</tr>
</tbody>
</table>

**FULL STRAPPED.**

<table>
<thead>
<tr>
<th>No.</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$5.15</td>
<td>$2.85</td>
</tr>
<tr>
<td>1</td>
<td>5.35</td>
<td>3.00</td>
</tr>
<tr>
<td>2</td>
<td>7.10</td>
<td>3.90</td>
</tr>
<tr>
<td>3</td>
<td>8.00</td>
<td>4.95</td>
</tr>
<tr>
<td>4</td>
<td>11.00</td>
<td>6.05</td>
</tr>
<tr>
<td>5</td>
<td>13.50</td>
<td>7.45</td>
</tr>
</tbody>
</table>

**Baltimore Store Truck.**

**NEW YORK PATTERN.**

**NEW YORK BARREL TRUCK.**

List Price: $7.00  
Retail Price: $3.85

<table>
<thead>
<tr>
<th>No.</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$7.00</td>
<td>$3.85</td>
</tr>
<tr>
<td>2</td>
<td>9.00</td>
<td>4.95</td>
</tr>
<tr>
<td>3</td>
<td>10.50</td>
<td>5.80</td>
</tr>
<tr>
<td>4</td>
<td>12.50</td>
<td>6.90</td>
</tr>
<tr>
<td>5</td>
<td>15.00</td>
<td>8.25</td>
</tr>
</tbody>
</table>

**COTTON TRUCKS.**

List Price: $9.00  
Retail Price: $5.00

<table>
<thead>
<tr>
<th>No.</th>
<th>List Price</th>
<th>Retail Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>$9.00</td>
<td>$5.00</td>
</tr>
<tr>
<td>4</td>
<td>11.00</td>
<td>6.00</td>
</tr>
<tr>
<td>5</td>
<td>13.50</td>
<td>7.50</td>
</tr>
</tbody>
</table>

Can furnish special trucks at lowest possible prices.
Four Wheel Platform Truck.

A necessary adjunct to the Canning House, Railroad Stations and Warehouse. Cheap, strong and well made. See cuts of Grocer's Truck which we furnish in two sizes, and the plain Platform Truck, in three sizes.

**GROCERS’ TRUCK.**

<table>
<thead>
<tr>
<th>Size Platform</th>
<th>Diam. Wheels</th>
<th>Diam. Caster</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 2x1 ft</td>
<td>12 in</td>
<td>6 in</td>
<td>120 lbs</td>
<td>$20.00</td>
</tr>
<tr>
<td>&quot; 21 3x3 ft</td>
<td>18 in</td>
<td>9 in</td>
<td>200 lbs</td>
<td>28.00</td>
</tr>
</tbody>
</table>

Plain Platform Truck.

**ONE OF THE BEST FARM AND STOCK SCALES MADE.**

**EVEN GUARANTEED.**

**STRONG, ACCURATE, DURABLE.**

Five tons capacity. Platform 14 ft. long, 8 ft. wide. With double brass beam and beam box.

To meet the demand for a moderate priced Wagon, Stock, Hay and Coal Scale, we are now pleased to offer the CRESCENT SCALE, United States Standard. We do not hesitate to state this is one of the best Wagon Scales in the market for the money. Iron Levers, Steel Pivots, Brass Beam, Sliding Poises and Beam Box.

**NOTICE.—**No extra charge for Beam Box, which is strong, substantially made, nicely painted and lettered. No extra charge for Double Brass Beam with Sliding Poises, which are made of the best material and highly finished.

Price…………………………………..$65.00

The Crescent Portable Scale

Has been on the market about five years, and is becoming favorably known as the finest scale that is being offered the trade today at any price.

They are carefully adjusted by competent workmen, and are guaranteed accurate U. S. Standard Scales. They are by no means cheap in appearance or construction. The material throughout is of the same quality as is used in the highest priced goods. The brass work is highly polished, the iron work is japanned in black, and the wood work is finished in its natural color, making a very attractive combination.

They are carefully packed for Shipment and can be set in position ready for use in a few minutes.

Sizes are as follows:

200 lbs. Size of Platform, 16x23…………….$18.00

Butter Trip Scales.

**WITH ROUND PORCELAIN PLATE.**

Without With Capacity, Weights, Weights

No. 87, One Round Porcelain Plate, and One Brass Plate……….. 6 lbs. $8.00 $8.75

Our manufacturers build a complete line of scales and if our customers are in need of anything in the line we will be pleased to correspond with them.

**ALL KINDS OF MACHINERY REPAIRED.**
THE HAYMAKER CARRIER FOR STEEL TRACK.

This Carrier is known as a combination machine or a swivel and reversible both in one. It is constructed with straight flanged wheels, bored on lathe, so as to run true, which revolve on a ½ inch turned steel axle. It has a **positive force lock** with no springs. Stop is clamped to top of track. Hanging Hook is malleable iron composed of two parts. The track is solid steel. 1-beam, 2½ inches wide by 1½ inches deep.

**Price** ............... $5.00

G. & T. Combination Reversible Carrier.

This Carrier is a straight reversible, having all the valuable features of our Double Lock. The new feature in this Carrier is that the two rope pulleys are hung on a turn-table, which adds to this Carrier all the advantages found in a Swivel Carrier. It is made entirely of malleable iron and is braced in such a way as to make it particularly strong. **Price** ...................... $4.00.

Ney’s Patent Improved Swivel Reversible Hay Carrier.

For Double Angle Steel Track.

This Carrier possesses the following advantages: It will not pass the bumper or trip block while in operation. The lock is positive and cannot fail to work perfectly. It is entirely independent of the rope, automatic in its movements, and has neither springs, clutches nor lugs to break, wear out or get out of order. Track travelers and rope pulleys revolve on turned iron bushing.

**Price** ............... $5.00

Ney’s Patent Wood Track Carrier.

This cut shows the Swivel Reversible Carrier for Wood Track. In construction it is the same as the steel track car (reverses the same way), except that it is made to run on 4x4 wood track.

**Price** ...................... $4.00.

Write for special discount from these prices.

Steel Track Hay Car In Use.

**Price of Track for Steel Carrier, per foot, 12½ cents.**

---

HAY TOOL SUPPLIES.

**Fig. 5**

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Double Harpoon Hay Fork</td>
<td>$1.00</td>
</tr>
<tr>
<td>2</td>
<td>Hanging Hook</td>
<td>$0.85</td>
</tr>
<tr>
<td>3</td>
<td>Patent Rope Hitch</td>
<td>$0.20</td>
</tr>
<tr>
<td>4</td>
<td>Floor Hook</td>
<td>$0.98</td>
</tr>
<tr>
<td>5</td>
<td>Rafter Bracket</td>
<td>$0.98</td>
</tr>
</tbody>
</table>

**Fig. 6**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rafter Grapplie</td>
<td>$0.60</td>
</tr>
<tr>
<td>Maple Sheave Pulley</td>
<td>$0.25</td>
</tr>
<tr>
<td>Iron Strapped Pulley</td>
<td>$0.30</td>
</tr>
<tr>
<td>Malleable Frame Knot Passing Pulley</td>
<td>$0.30</td>
</tr>
</tbody>
</table>

Write for special discount from these prices.

---

REPAIRING LAWN MOWERS A SPECIALTY.
The Ney Steel Barn Door Track.

This Track is made of SPECIAL CARBON OPEN HEARTH STEEL 1x3-16 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. It is easily erected and requires no roofing or covering of any kind.

Price, per 100 feet..........................$3.00

The Canton Hoist.

Can be used to advantage in factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics, as well as farmers. They are indispensable on the farm. Special farm size, No. 37, capacity 800 pounds; one man can lift 400 pounds.

Price.........................................$4.00

Improved Grain Fan.

Price..........................................$18.00

Circular Saw with Swinging Table.

Farmers and others who use saws can at once appreciate the great convenience of this machine. It has a swing table, which is the best style for cutting cord wood. One man can do the work with this saw as readily as two men on the regular style. In this machine the draft is direct from the power to the saw, consequently it takes less power to drive it.

Price...........................................$40.00

A Discount of 10% to Farmers for Cash.

Decarbonized Metal Farm Bells.

<table>
<thead>
<tr>
<th>Diameter of Bell</th>
<th>Weight Complete</th>
<th>List Price Bronzed</th>
<th>Retail Price Bronzed</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 .... 15</td>
<td>40 pounds</td>
<td>$1.00</td>
<td>$1.00</td>
</tr>
<tr>
<td>&quot; 2 .... 17</td>
<td>50 &quot;</td>
<td>1.25</td>
<td>1.25</td>
</tr>
<tr>
<td>&quot; 3 .... 19</td>
<td>75 &quot;</td>
<td>1.50</td>
<td>1.50</td>
</tr>
<tr>
<td>&quot; 4 .... 20</td>
<td>100 &quot;</td>
<td>2.00</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Above prices include bells and hangings complete.

ALL KINDS OF REPAIRS ON HAND.
Ohio Feed Cutters and Carriers.

POINTS OF SUPERIORITY.

NEW SOLID KNIFE-HEAD. The knives are adjusted with facility to the Cutter Bar by means of Set Screws, and are firmly bolted to position on the Knife Heads.

THE SAFETY FLY-WHEEL (arranged with a frictional device in connection with the hub) prevents accidents from over-feeding, or, in case any hard substance should pass in with the material while being fed, the Knives will stop and the momentum of the Fly-wheel will be arrested gradually by friction against the hub, thus preventing breakage of the machine and insuring safety to the operator. Safety Fly-wheels furnished with all power machines.

The LEVER FOR STOPPING THE FEED ROLLERS assists also in changing the lengths of cut. In connection with the Safety Fly-wheel, it is an additional safeguard against accidents. The four lengths of cut are made with but one detached gear.

The KNIFE SHAFT is made long enough to attach the Pulley or Fly-wheel to either end of the same; on all sizes above No. 3. This will often save delay in locating the Engine or Horse-power.

ANGLE CARRIERS for our Power Cutters are made reversible, I.e., they can be set to deliver straight, to the right or to the left of the machine, as the case may require.

These MACHINES HAVE LARGER THROAT, in proportion to length of Knives, than any other Cutters, which, in point of capacity, makes them superior to any similar machine with equal cutting surface.

Ohio Standard Feed and Ensilage Cutters and Carriers.

Showing Right-Angle Plain Carrier Attached.

This is a very popular machine and has capacity great enough to cut feed for from sixty to one hundred head of stock. It has all the latest improvements and is constructed in the most substantial manner. It is a splendid "all around" machine with sufficient capacity for good sized silos, and will cut hay, straw or dry corn fodder very rapidly.

List Price of Cutters without Carriers.

<table>
<thead>
<tr>
<th>Knives</th>
<th>Fly Wheel</th>
<th>Length Cut</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO. 9-9 in.; Common;</td>
<td>4½, 6½, 8 in</td>
<td>$32.00</td>
<td></td>
</tr>
<tr>
<td>9-9</td>
<td>Safety; 4½, 6½, 8 in</td>
<td>$40.00</td>
<td></td>
</tr>
<tr>
<td>9-11</td>
<td>Safety; 4½, 6½, 8 in</td>
<td>$45.00</td>
<td></td>
</tr>
<tr>
<td>13-15</td>
<td>Safety; 6½, 8½, 10 in</td>
<td>$60.00</td>
<td></td>
</tr>
<tr>
<td>16-18</td>
<td>Safety; 8½, 10½, 12 in</td>
<td>$65.00</td>
<td></td>
</tr>
<tr>
<td>18-20</td>
<td>Safety; 10½, 12½, 14 in</td>
<td>$90.00</td>
<td></td>
</tr>
<tr>
<td>24-24</td>
<td>Safety; 14½, 16½, 18 in</td>
<td>$250.00</td>
<td></td>
</tr>
</tbody>
</table>

List Price of Carriers.

For No. 11 Cutter, 12 foot.............................. $50.00 Each additional foot.............................. $1.50

Same size Carriers for each machine.

For No. 12 Cutter, 12 foot.............................. $40.00 Each additional foot.............................. 2.00

Same without Angle Delivery Attachments, deduct $3.00 from Nos. 11, 13, 16 and 18; $5.00 from Nos. 20 and 24, and $10.00 from No. 26.

Less 30 per cent. Retail.

REPAIRING LAWN MOWERS A SPECIALTY.
"Ohio" Standard Ensilage and Feed Cutter.

WITH EXTENDED TABLE AND TRAVELING SELF-FEED APRON.

A Great Invention.

THE general design of this machine is same as the regular Nos. 11, 13, 16 and 18. It differs in respect to the feed table which in this machine is extended out to a total length of eight feet. We have used the regular No. 16 frame, and the rear end supported by strong braces as shown.

The feed table is supplied with a continuous traveling chain belt or apron, which converts the machine into a self-feeder. The traveling apron is driven by chain and sprocket wheels, and is under control of the feeder by means of the throw-out lever located just in the rear of the lever that controls the feed rolls.

This is a strong point of advantage, as it is well known to parties familiar in the use of such machines that occasionally a pitchfork, a horse shoe, or some other foreign substance mysteriously stray into the machine, and about the time it reaches the knives the feeder has only to catch these levers and throw the feed out.

The continuous belt is made of the slat attachments of the link belt chain, a slit to every link, and carries the material to the feed rolls perfectly. By the use of this machine one man can feed it, and he will do the work with one-fourth the manual force necessary to feed the regular machine. There is a gain in the cutting capacity of no less than 35% per cent., and the teams and workmen in the field are necessarily kept closer to work.

The Standard Feed Cutters have long been known as the best General Purpose hand and power cutters manufactured. By reason of wide, open throat (being full width of cutting surface, all sizes) and improved patented feeding device, they have larger capacity than others.

The Knife Shafts are STEEL, and are very strong and stiff. The Journal Boxes or bearings are wide and heavy and babbitted with high grade metal. The Handles are secured to our Solid Knife Heads by bolts with Lock Nuts, to prevent working loose, and backed up by set screws, as shown, to hold them securely in place.

The Frames, all sizes, are made of seasoned HARDWOOD timber, and are mortised and FRAMED together in the best possible manner, making the strongest and STRIFFEST frame yet to be found under a feed cutter.

No. 13, 16 and 18 are our medium priced Ensilage and General Purpose power machines, all very large capacity, and by far the most serviceable machines made. All sizes are adapted to cutting hay, straw and corn fodder, with or without ears, and green or dry. All sizes are extensively used for Ensilage and also for tobacco, rags and other materials.

WRITE FOR SPECIAL BOOK ON SILAGE.
The "Ohio" Dry Fodder Shredder.

By referring to our '97 issue, it will be found we explained the economy in the use of Shredders. It is now no longer a question of expediency, for the progressive farmer has long since reached the conclusion that if he wishes the best results from his stock he would be unwise not to use the more improved machinery.

It will be seen in the annexed cut, our No. 16, fitted up as a Shredder. Bear in mind, the Shredder head can be removed and the knife cylinder attached instead, in case the machine is wanted for ensilage cutting, as we do not recommend the shredding of fodder for that purpose.

In order to reap the best results in shredding, the machine must be speeded up to ten or twelve hundred revolutions per minute; for that reason, we use the fly wheel seen in the cut, instead of the open wheel in the Ohio Cutter.

Ohio Dry Fodder Shredder, Complete.

... Sizes and Prices ...

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>with Shredder Cylinder, Solid Fly Wheel and 6 inch Pulley</td>
<td>$45.00</td>
</tr>
</tbody>
</table>
| 13   | " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " 

Less 30 per cent. retail.

Shredder Cylinders.

... ONLY AS SHOWN IN CUT...

For No. 11, including Fly Wheel and Pulley $25.00

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
</table>
| 13   | " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " 

Less 30 per cent. retail.

Balto. Lever Cutter

This cutter is made of the best material, and with the best possible device for adjusting the knife. It is made with the curved knife only, and has four legs.

Price $5.00

Maryland Lever Cutter

Strong, cheap and durable.

Price $4.00

G. & T. Lever Cutter 3.50

There are a number of cheaper Lever Cutters on the market which we do not carry in stock, but can furnish at lowest market prices.

ALL KINDS OF MACHINERY REPAIRED.
Baltimore Self-Dump Rake
Made in either Wood or Steel.

The Wood Rake has a solid iron axle, 11 inches round iron, extending from wheel to wheel. The ratchets are in the hub and discharges its load by the onward movement of the horse. The Baltimore disengages noiselessly without jar or strain. We claim for it greater strength because the parts are united securely to the iron axle and the wood rakehead. It dumps from both wheels, but can be discharged by either one singly at will.

The Steel Rake differs from the wood only in point of material used in its construction, the running gear and frame being entirely of steel.

**PRICES:**
- Baltimore Self-Dump Rake, Wood $20.00
- Steel 21.00

Baltimore Hand-Dump Rake,
Made in either Wood or Steel.

This Rake is made of thoroughly seasoned hard wood. The axle arms are 1/2-inch round iron, securely bolted to the wood axle head. It has 20 teeth of spring steel, same as above. Every tooth independent. The seat is adjustable and can be raised or lowered for man or boy.

The Steel Hand-Dump Rake is similar in all respects, excepting in material used.

**PRICES:**
- Baltimore Hand-Dump Rake, Wood $17.00
- Steel 18.00
- Less $1.00 each for cash.

Hay Rake Teeth.

For all leading Hay Rakes, including Baltimore, Thomas, Gazelle, Tiger, Taylor, Dayton, Red Bird, etc. Plain and with coil. When ordering always be very careful to state whether you want plain or coil teeth, right or left hand, and if there are several different styles of teeth used on the same make of rake, it is the best plan to send a drawing, giving as near as possible the exact curve of old tooth.

**PRICE, 30 CENTS EACH.**

Baltimore Hay Tedders.

This is a fac-simile to our Baltimore Rake in point of construction and substantiability. Combination shafts and tongue; without side fork and shields over gearing.

The Baltimore has new bent shifting lever which makes a complete lock. Also is provided with a most comfortable spring seat, levers for raising and lowering, and throwing in or out of gear, within easy reach of the driver. Combined pole and shafts, quickly and easily changed from a one to a two-horse machine.

**PRICES:**
- Baltimore Tedder, Wood $28.00
- Steel 30.00
- Less $2.00 each for cash.

Hay Tedder Forks.

Always on hand stock of Forks for leading styles of Hay Tedders, including Baltimore, O. R. C., Thomas, Bullard, Tiger, &c.

**PRICE** 30 cts.

All kinds of Machinery Repaired.
Eagle Hay, Straw and Cotton Presses.

We have been on the lookout for some time past for a first-class, economical Hay Press, and we now have this one to offer at an extremely low price, considering the quality of material used and the quality and amount of work done. It is first-class in every particular, easy to handle, and not intricate in its parts. The cut shows the Steam or Horse Power Press mounted on truck for traveling. It is a full-circle press, with power for one or two horses, or can be run with geared wheels from an engine. Each revolution of the horse power gives two strokes to the plunger. The mechanism is very simple, and not liable to get out of repair. A press weighing 1,500 pounds can do as much work as other presses weighing twice as much, and does not cost as much. The press, when made to run by steam, has automatic feed, bell cut off, and a very handy scale, not liable to get out of order and always ready. The press is made in two sizes—4x18 and 15x22—with good followers. With the horse press is supplied a neck yoke and whiffletrees. A 4x18 horse press, making two strokes to a revolution, can do nearly as much as most steam-power presses and save one-half the cost. In these presses a continuous rotary motion is converted into a reciprocal motion by improved mechanism, at a small cost, compared to the cost of most sweep presses. The presses are warranted. Any farmer who raises 50 tons of hay can afford to have one of these presses, can save $2.00 per ton on baling. By doing baling for neighboring farmers, the investment can be made a very profitable one.

<table>
<thead>
<tr>
<th>Price</th>
<th>$275.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Automatic Feed is wanted</td>
<td>$300.00</td>
</tr>
<tr>
<td>Bell Cut Off</td>
<td>$7.00</td>
</tr>
<tr>
<td>Seals</td>
<td>$6.00</td>
</tr>
<tr>
<td>Wire Making Machine</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

Eagle Horse Power Baling Presses.

A FULL CIRCLE, WITH CONVENIENT SCALE, NOT LIABLE TO GET OUT OF ORDER. ALWAYS READY, ALSO BELL CUT OFF, &c.

The above cut shows the Horse-Power Baling Press.

This is a full circle press; look at its simplicity for steam or horse; cannot be equaled, capable of making from 3 to 4 strokes to one round of horse at the will of the operator; one horse can do the work which cannot be done by any other press on the market; it can be set same as thresher; it also has a horse power that can be used as a general purpose power, as sawing, threshing, grinding, etc. We furnish trucks by which power can be carried under the press; the trucks can be so constructed that they can be used as a farm wagon. These machines are capable of baling from 6 to 8 tons per day; no stabbing down, no digging holes to sit in, no high pitsman for horses to climb over.

Above can be used to bale cut hay or straw right from the cutting box.

<table>
<thead>
<tr>
<th>Price</th>
<th>$175.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bell Cut-off</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

Eagle Hand and Power Baling Presses.

This press is perpetual in its action, each hopperful of hay being forced into the chamber and compressed by the traverse, which is forced in by lowering the lever. As soon as the charge is pressed, the lever is automatically released, and the plunger reboots, leaving the hopper open and ready for another charge. The power of the press is enormous, and is obtained by a lever 11 feet long, acting directly on a set of gears connected with a jointed follower beam attached to the follower. For ordinary work, but one man on lever is necessary. The bales are 3x15 inches, are tightly compressed, and from 7 to 10 can be turned out per hour, weighing from 55 to 100 pounds. The bales are wired the same as those in other horizontal presses. Each pressure of the plunger forces the finished bale along and gradually out. The end of press does not require to be opened, neither is any change of leverage required. There is but one degree of pressure, and that is the maximum.

We can also furnish an upright hand press, suitable for those not having room for the larger size. They are built in the simplest manner, with capacity and power equal to any of its kind on the market.

We can also furnish an upright hand press, suitable for those not having room for the larger size. They are built in the simplest manner, with capacity and power equal to any of its kind on the market.

Eagle Hand and Power Baling Presses.

This press is perpetual in its action, each hopperful of hay being forced into the chamber and compressed by the traverse, which is forced in by lowering the lever. As soon as the charge is pressed, the lever is automatically released, and the plunger reboots, leaving the hopper open and ready for another charge. The power of the press is enormous, and is obtained by a lever 11 feet long, acting directly on a set of gears connected with a jointed follower beam attached to the follower. For ordinary work, but one man on lever is necessary. The bales are 3x15 inches, are tightly compressed, and from 7 to 10 can be turned out per hour, weighing from 55 to 100 pounds. The bales are wired the same as those in other horizontal presses. Each pressure of the plunger forces the finished bale along and gradually out. The end of press does not require to be opened, neither is any change of leverage required. There is but one degree of pressure, and that is the maximum.

We can also furnish an upright hand press, suitable for those not having room for the larger size. They are built in the simplest manner, with capacity and power equal to any of its kind on the market.

ALL KINDS OF MACHINERY REPAIRED.
THE BALTIMORE CORN SHELLERS.

We give below cuts and descriptions of our Baltimore Shellers. They are made with heavy fly wheels and steel shafts. Finely finished. Easy running and in every way classed among the best Shellers on the market. The general description of frame and working parts applies to all these shellers.

**Description of No. 3 shown below is as follows:**

The frame is of seasoned hard wood, mortised and pinned together, perfectly true to a square so that all parts work smoothly. The gears are all inside and no danger to any one because of outside gearings. The shafts are all the same length and the gearing of the best wrought and gray iron. It has a steel spring adjuster in the hopper and is easily adjusted to large or small ears of corn. It has a large balance wheel with wrought iron spokes, which is the constant objection to some other machines in the market, and we have now a machine which will please the trade.

**Price, $2.00.**

**The Baltimore No. 3 Single Spout.**

Price, plain..............$6.00
Price with fan...........$6.50

**Baltimore No. 5, Single Spout.**

Heavy fly wheel with wrought spokes.
Capacity, 125 bushels per day.
Price, without basket holder.......$5.50
Basket holder extra, 50c.

**Baltimore No. 6, Single Spout.**

Fly wheel with wrought spokes.
Steel Shafts, Corn and Cobs together.
Capacity..............125 bushels per day.
Price, $5.00.

**The Baltimore No. 4 Single Spout.**

Screws the corn, side delivery, very convenient, light running, strong and durable. Steel shafts. Heavy fly wheel with wrought spokes.
Capacity, 125 bushels per day.
Price, plain, $6.00.

**The Baltimore No. 2 Single Spout.**

Cleans the corn thoroughly. Heavy fly wheel with wrought spokes.
Capacity, 125 bushels per day.
Price, without basket holder, $8.00.
Basket holder extra, 60c.
Feed table extra, $1.00.

**The Baltimore No. 20 Double Spout.**

Hand and Power Sheller, with shaker, belt and fly wheel. Fine finish. Capacity by hand, 200 bush. per day.
Capacity by power, 500 to 600 bush.
Price, without shaker, $15.00.
Price, with shaker..... $16.00

"Easy" Corn Sheller.

Simple, strong, convenient and cheap. Weight, 15 lbs. Capacity, eight to ten bushels per hour.

Price, $1.50.

ALL KINDS OF MACHINERY REPAIRED.

For grinding corn and cob or shelled grain. Can also be used as a separate horse power for running other machinery. The combination of Feed Mill and a Horse Power in one makes a great reduction in cost, and yet furnishes a light-running machine.

Something Entirely New.

The sweeps or levers are attached to a large internal geared master wheel, into the teeth of which three strong pinions mesh, and through these pinions motion is imparted to the three large gear wheels, the teeth of which engage a heavy, strong pinion on one end of the shaft, which carries one of the grinding plates; the other resting in a casting is attached to the master wheel, and makes one revolution with each round of the horses, while the other makes thirty in a contrary direction; in consequence, we get greater speed without increase of power and greater capacity. The utmost care is taken to insure the least possible draft.

Two levers or tongues are furnished, so, three, or even four horses can be used. We also furnish two baskets with each mill, which set on rests, as shown. A cut-off is used to change the discharge to the empty basket, avoiding the necessity of stopping the team; no loss of time or waste of feed.

Capacity of mill on small grain, 12 to 18 bushels per hour; ear corn, 10 to 15 bushels.

Write for special descriptive catalogue.

Double Action Mill and Power, complete, with two Levers .................................................. $65.00
Double Action Mill and Power, complete, with three Levers, but without Tumbling-rod Attachment .......................................................... 60.00
Single Action Mill and Power, complete, with two Levers .................................................. 60.00
Single Action Mill and Power, complete, with three Levers, but without Tumbling-rod Attachment .......................................................... 55.00

An allowance of $5.00 for cash on any of above machines.

Testimonials.

Maryland Agricultural College, Office of the President.

College Park P. O., Maryland, Nov. 25, 1896.

Griffith & Turner Co., Baltimore, Md.:

Gentlemen—I can now say that the mill has been tested, and has given us every satisfaction. I regard it as fully filling every guarantee that you gave for it.

Very truly yours,

R. W. SYLVESTER, President.

Freedom, Carroll Co., Md., Nov. 6, 1897.

Messrs. Griffith, Turner & Co.:

Gentlemen—This is to certify that I have been using one of the Double-Acting Mills bought from you in the spring of 1897, in grinding grain, crushing corn on cob, etc., and am much pleased with the work it does. It is entirely satisfactory, and is all that you claimed for it when I bought it. Not only is it endorsed by myself, but also by those who have seen it at work. Such being the case, I can recommend it to anyone who has stock to feed.

Yours, very respectfully,

J. OLIVER WADLLOW.

Griffith & Turner Co.,

Monkton, Md., Nov. 15, 1897.

Gentlemen—The Double-Acting Power Mill purchased of you December, 1898, has proven a great saving to us. It is an ideal machine—a success. We have ground over three hundred barrels of cob corn on ours since we have had it—in fact, all the grain of all kinds we have fed to thirty head of cattle, six horses, and hogs, etc. It has been always ready for use by having it under shelter. Use all bad weather at home; no idle horses or men on hot days, saving time and expense heavily.

Yours, your truly,

E. A. YO3

ALL KINDS OF MACHINERY REPAIRED.
The Scientific Corn and Cob Mills.

**STYLE H, No. 1.**

Has Double Breakers, Partition Hopper, Pin Breaker and Safety Bottom. It grinds ear corn without shucks, shelled corn, oats, rye, barley, cheat screenings, or any and all kinds of small grain, separately, or any two or more, mixed, for feed.

**DIMENSIONS AND WEIGHT.**—3 feet 10 inches long; 2 feet 8 inches wide, and 3 feet 7 inches high. Weighs 508 pounds. Weight of fly wheel, 40 pounds.

SHAFT.—1 1/4 inches in diameter; cold rolled steel.

**GRINDING PLATES.**—10 inches in diameter. These plates are unlike those in the other mills, and run only in one direction— to the right. Can furnish left hand, if desired. Will furnish an extra set free in this style of mill, but in no other, as all others are reversible. Extra plates, per set, $2.00.

**POWER.**—4 to 8-horse power, or 4 to 6-horse steam power.

**PULLEY.**—Furnish an 8-inch diameter, 6 1/2-inch face pulley, unless special size is ordered, which can be furnished without extra charge.

**SPEED.**—500 to 1,000 revolutions per minute for horses; 1,000 to 1,200 for steam.

**CAPACITY.**—Ear corn, with shocks off, 8 to 18 bushels. If corn is new or wet, the work can be done, but not so fast; shelled corn, 8 to 20 bushels per hour; all kinds of small grains separately, or corn and oats or other grains mixed, 8 to 15 bushels per hour.

Price of this mill, complete, with extra set of plates, $60.00.

The Scientific Corn and Cob Mills.

**STYLE L, No. 1.**

Has Double Breakers, with partition Hopper, Pin Breaker and Safety Bottom. It grinds ear corn with or without shucks on, shelled corn, oats, rye, barley, cheat screenings, or any kind of small grain separately, or any two or more, mixed, for feed.

**DIMENSIONS AND WEIGHT.**—4 feet 2 inches long, 2 feet 3 inches wide, and 3 feet 2 inches high. Weight of mill, 620 pounds; weight of fly wheel, 55 pounds.

SHAFT.—1 1/2 inches: cold rolled steel.

**GRINDING PLATES.**—12 inches in diameter, of extremely hard metal, and very durable. Are reversible and self-sharpening, having double the capacity of non-reversible plates. Price of extra plates, $4.00.

**PRICE.**—8 to 12 horses to sweep power; 6 to 10 horse steam power.

**PULLEY.**—8 inches in diameter, 6 1/2-inch face, but can furnish larger, if desired, without extra charge.

**SPEED.**—1,000 to 1,200 revolutions per minute for steam power; 800 to 1,000 revolutions per minute for horse power.

**CAPACITY.**—Ear corn with shocks off, 10 to 20 bushels per hour; with shocks off, 15 to 30 bushels.

If corn is new, wet or frozen, 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 30 bushels per hour. Price, $65.00.

Write for Mill Catalogue. Prices on Power Mills subject to special discount.

The Scientific Corn and Cob Mill.

**STYLE N, No. 1.**

This is similar in general make-up to the style L, the only difference being in dimensions, power and capacity.

**DIMENSIONS AND WEIGHT.**—4 feet 9 inches long, 2 feet 5 inches wide, and 3 feet 5 inches high. Weight of mill, 628 pounds; weight of fly wheel, 55 pounds.

**PRICE.**—$60.00 per set.

**SCREWS OF SHAFT.**—4 feet 6 inches long by 1 3/4 inches in diameter, cold rolled steel.

**POWER REQUIRED.**—10 to 15-horse steam fly wheel.

**CAPACITY.**—500 to 1,000 revolutions per minute.

**PRICE.**—$85. Unless otherwise ordered, we put on this mill a pulley 10 inches in diameter, $1 1/2-inch face, but can furnish any size up to and including 14 inches in diameter, 8 1/2-inch face, without extra charge.

**CAPACITY.**—Ear corn with shocks on, 15 to 25 bushels per hour; with shocks off, 20 to 50 bushels per hour.

If corn is new, wet or frozen, the work can be done equally as well, but not so fast. Shelled corn, 20 to 65 bushels per hour. All other small grains, separately or mixed, 20 to 65 bushels per hour.

Price of N, No. 1 Mill, complete, on cars here, $85.00.

Write for Mill Catalogue. Prices subject to special discount.

ALL KINDS OF HARROW REPAIRS ON HAND.
The Waldron & Sprout Vertical French Burr Mill.

These mills are heavy, strong and durable, and expensive to build, there being a large amount of machine work upon them. It will be seen by comparing the description and weight of these mills with the price list, that the prices are very low for the class of work. No purchaser would be willing to have them built in a cheaper manner, or any of the improvements left off.

The accompanying illustration represents the Mill and an Improved Crusher combined. The Crusher is driven from the mill spindle by a 5-inch belt. The crushed corn is carried to the mill hopper by an elevator, saving extra handling. This makes a very handy combined mill, the crusher requiring very little power and need only be run while grinding corn, and can be stopped or started at any time while the mill is in motion. The most successful combined Burr stone mill ever offered to the trade.

Above cut shows mill and crusher combined on all of these except the special 12-inch mill, for light power, that being constructed slightly different.

Write for special prices on Mill and Crusher combined.

IMPROVED CRUSHERS

No. 1 will crush 20 to 25 bushels of corn on the ear per hour; weight, 550 pounds; pulley, 16 inches diameter, 4-inch face; should be run 300 to 400 revolutions per minute; 2-horse power. Retail, f. o. b. factory, $21.00; f. o. b. Baltimore, $25.75. List, $40.00.

No. 2 will crush 60 to 90 bushels of corn on the ear per hour; weight, 500 pounds; pulley, 20 inches diameter, 5-inch face; should be run 200 to 300 revolutions per minute; 3-horse power. Retail, f. o. b. factory, $36.00; f. o. b. Baltimore, $39.50. List, $65.00.

Special 12 Inch Mill for Light Power.

DIMENSIONS.—Extreme length, 36 inches; width, 18 inches; height, 34 inches; base occupies floor space, 17x17 inches; driving pulley, 8 inches diameter, 5-inch face. Speed, 300 to 1,200 revolutions per minute. The burrs in this mill are each 12 inches in diameter, carefully tested and tried. The runner is attached to the spindle by a divided tapered sleeve and nut. The grinding capacity is from 5 to 15 bushels an hour.

It is furnished with ball bearings, and the shells are rabited, turned and bored. It is very built and designed for farm use. Weight, 400 pounds.

Retail, f. o. b. Baltimore, $45.50. List, $60.00.

12-INCH MILL.—Dimensions: Length over all, 56 inches; width, 22 inches; height, 31 inches; pulley, 8 inches in diameter, 5-inch face, covered with leather; weight, 600 pounds; should be run 1,000 to 2,000 revolutions per minute; capacity, 5 to 15 bushels per hour, according to fineness of meal or feed and power used; 6 to 8-horse power engine. Retail, f. o. b. factory, $64.00; f. o. b. Baltimore, $82.50. List, $100.00.

14-INCH MILL.—Length over all, 64 inches; width, 24 inches; height, 36 inches; floor space, 22x6 inches; pulley, 10 inches in diameter, 6-inch face, covered with leather; weight, 800 pounds; should be run 1,000 revolutions per minute; grinding capacity, 10 to 20 bushels per hour; 8 to 12-horse power. Retail, f. o. b. factory, $86.40; f. o. b. Baltimore, $105.00. List, $125.00.

20-INCH MILL.—Requires 10 to 15-horse power engine; grinding capacity, 15 to 60 bushels per hour. Retail, f. o. b. factory, $100.00; f. o. b. Baltimore, $115.00. List, $150.00.

24-INCH MILL.—Requires 15 to 25-horse power engine; grinding capacity, 15 to 75 bushels per hour. Retail, f. o. b. factory, $140.00; f. o. b. Baltimore, $158.75. List, $200.00.

30-INCH MILL.—Requires 20 to 30-horse power engine; grinding capacity, 25 to 100 bushels per hour. Retail, f. o. b. factory, $304.75; f. o. b. Baltimore, $348.75. List, $425.00.

Elevator attachments to connect mill and crusher, Retail, $6.00. List, $9.00.

This mill is all iron and steel; the weather has no effect on it. It is adapted to steam power; 6 to 10-horse power will run it.

It will grind corn and cob, shelled corn and oats (mixed or separate), screenings, wheat, barley, rye, oil cake, peas and beans. With a 6-horse power engine it will grind from 15 to 20 bushels of chop, and with a 10-horse power it will grind from 30 to 40 bushels of chop per hour from dry grain.

We furnish two sets of burrs with the Buckeye Mills, and a new set only costs $1.50, and can be put in in a few minutes.

Price of Mill with two sets of Burrs $50.00; less $5.00 for Cash.

Buckeye Steam Power Corn and Cob Mill.

DIRECTIONS FOR OPERATING THE BUCKEYE STEAM POWER MILL.

SPEED OF MILL.—Run the pulley shaft 600 to 800 revolutions per minute for corn in the ear; 500 to 600 revolutions per minute on shelled or small grain.

HOW TO USE BURRS.—The burrs in 1/2 piece are for ear corn and doing ordinary grinding less, fine grinding use the burrs that are sent with mill as extras.

ALL KINDS OF MACHINERY REPAIRED.

Griffith & Turner Co.
Baltimore, Md.
Scientific Triple-Geared Two-Horse Sweep Powers.

This power can be used with one or two horses. The tumbling rod has a speed of 69 revolutions to one round of horse, and by the use of Power Jack speed can be increased. Can be used with wood saws, feed cutters and other machinery requiring such power. The gears are fitted with great care, so that they can work with least possible friction, and every casting is made extra heavy so as to withstand all reasonable strain. We furnish with this power one lever, one 12-foot tumbling rod, two knuckles and one rod rest.

<table>
<thead>
<tr>
<th></th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>$45.00</td>
<td>35.00</td>
</tr>
</tbody>
</table>

We also have a heavier power, similar to the above, which is strong enough for four horses, yet can be easily operated with two. The gearing is the same as used on our Scientific Double Action Grinding Mills.

<table>
<thead>
<tr>
<th></th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price, with two levers, tumbling rod, knuckles, and rod rest:</td>
<td>$55.00</td>
<td>40.00</td>
</tr>
</tbody>
</table>

Our eight-horse power is made with special reference to the requirements of Grinding Mills. The castings and timbers are all heavy and strong, carefully put together, so as to insure the least possible friction. It will run so light that two horses can readily work it where no more power is required, and it is sufficiently strong for any work requiring eight horses. The tumbling rod makes 45 revolutions to one round of horses.

<table>
<thead>
<tr>
<th></th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price, with four levers, two lengths of tumbling rod, knuckles, etc.:</td>
<td>$85.00</td>
<td>56.00</td>
</tr>
</tbody>
</table>

Pumping Power.

A demand for a pumping power, with slow speed, especially adapted to pumping water, has led us to add this to our list of machinery. It has a Wrist Pin with Stub Pitman, and a Balance Crank with three Strokes, viz., 4, 6 and 8 inch. Speed, 9 revolutions to one round of horse. We furnish with power 2 levers, 2 lead sticks, 1 tumbling rod, 1 ground block and 1 knuckle. Weight, 600 pounds.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>$40.00</td>
</tr>
</tbody>
</table>

Pumping Jack:

This cut represents the Improved Pump Jack to be operated in connection with the 2-horse power, as shown at top of page. This Jack has two sets of gears—one to regulate the stroke of the pump and the other, a high gear, having a heavy fly wheel to carry the Pitman over the centre, thereby causing all parts to work smoothly. A first-class outfit for deep wells. Weight, 225 pounds.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

Spur and Bevel Gear Jacks.

This machine is intended to increase speed and transmit power by belt. The spur gear transmits the motion at a right angle with the tumbling rod, and the Bevel Gear transmits it in a line with tumbling rod. For 2-horse power pulley revolves 2 1/4 times to one revolution of tumbling rod. $10.00

For 4-horse power, 2 3/4 times.......... 18.00

REPAIRING LAWN MOWERS A SPECIALTY.
“Senior” Hand and Power Cider Mill.

This is our largest sized mill, adapted for hand or power, with a detachable handle on either side. It is first-class in every particular, unsurpassed in quality, durability and capacity, and made of the best material in both wood and iron. The grinders are adjustable, and will grind both small and large fruit equally well. 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.............................................$25.00

Special Discount to Consumers.

The “Baby” Wine and Cider Mill.

This is a very handy little mill for making a small quantity of cider, five or ten gallons at a time. All of the juice of the apples can be gotten out, but not so rapidly. 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..............................$10.00
No. 1.—Single Cage Mill..............................12.00

Special Discount to Consumers.

"Junior" Hand Cider Mill.

This mill is almost identical with the “Senior,” except it is smaller, and has only one handle. In the preparation of the pomace for cider, it is the same in all its parts.

Price.............................................$20.00

Special Discount to Consumers.
Waukegan Barb Wire.

The points of superiority of this wire are lightness, weighing less to the rod than any other; great strength, which is accomplished by using a half round wire which clasps the main strand as if welded to the same, while the flat projecting points receiving a half turn before they are sharpened include the strength of full-sized round wires.

Waukegan Two Point Thick-Set.

Barbs 3 inches apart. Measuring 18.30 feet to 1 lb. Affording the purchaser 10-3-10 rods or 170 feet more per 100 lbs. than any other Barbed Wire made.

Plain Ribbon Wire Fencing without Barbs.

Galvanized Flat Twisted Fencing, ½ inch Wide. Put up on 50 and 100 lb. Spools.

The great strength obtained by the size of the wire and method of construction makes it capable of wonderful resistance. The fence can be plainly seen at a distance, and with the elasticity imparted by the twist no sagging can occur if constructed properly. Special square-top staples and clasps for splicing furnished at lowest prices.

Plain Twisted Two Strand Wire Fencing.

Light, strong, durable, cheap. Used largely for lawns and home enclosures.

The Townsend Wire Stretcher.

The person stretching the wire can nail it to the post without assistance. The only true principle for a Wire Stretcher.

Price.................. 75 cents.

Truss and Cable Fence Wire.

It is composed of six galvanized spring steel wires of superior quality and is about ¾ in. wide. Its strength is equal to the combined tensile strength of all the wires, and its construction is such as to allow for the expansion and contraction of heat and cold without stretching.

Poultry Netting.—For Enclosing Poultry Yards.

The Wire we offer is all No. 19 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

<table>
<thead>
<tr>
<th>Price, 2-Inch Mesh</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 in. wide</td>
</tr>
<tr>
<td>18 in.</td>
</tr>
<tr>
<td>24 in.</td>
</tr>
<tr>
<td>36 in.</td>
</tr>
<tr>
<td>48 in.</td>
</tr>
<tr>
<td>60 in.</td>
</tr>
<tr>
<td>72 in.</td>
</tr>
</tbody>
</table>

Prices ½ cent per sq. ft. in less than bale lots. Staples for fastening, 10 cents per lb.

Baling Ties.

The cost of Bale Ties is from 40 to 60 cents per ton of hay. We have spared no expense to secure the best methods and the most efficient machinery. To get the length of tie required add 3 inches to the measure around the bale when under pressure. We keep in stock only the standard size, No. 15, 8½ feet long, but can furnish any of the other sizes and lengths on order at lowest prices.

List Price—No. 15, 8½ feet long.....$4.51 Retail Price—No. 15, 8½ feet long.....$1.75

Annealed Baling Wire.—Nos. 11, 12, 13, 14 and 16 always on hand at lowest market prices.

Repairing Lawn Mowers a Specialty.
Deering Harvesting Machines
WITH ROLLER AND BALL BEARINGS.

Deering Ideal Binder.

We wish to announce the light draft, noiseless running Deering Ideal Binder, fitted with Roller and Ball Bearings in drive wheel axle, in main gear shaft and in crank shaft. The ease with which this machine pulls is most surprising. It has the Deering jointed platform, the Deering one-lever reel, the Deering binder attachment, and the Deering balance double butt adjuster, all of which contribute to make it the most perfect and the most efficient. It is a staunch little machine, full of grit, and as tough as a knot.

Deering Improved Steel Binder,
With Roller and Ball Bearings.

Has Jointed Platform, One-lever Reel, Twine-saving Knotter, Broad Elevators and Binder Deck. This machine is known and appreciated wherever grain is grown.

Deering Ideal Mower,
With Roller and Ball Bearings.

Draws one-third lighter than any other mower made. Serrated Ledger-plates hold up stubborn grasses and compel them to be cut. The only mower that can be driven at a slow walk in heavy grass and the only one that can be started in any crop without backing. Perfect Foot-lift and Lifting Spring. All widths of cut—3 1-2 and 4 feet, One-Horse; 4-1-2 and 5 feet, Ideal; 6 and 7 feet, Ideal Giant.

Deering Ideal Reaper,
With Roller Bearings.

Is justly popular everywhere because of its extremely light draft, its high rake stand, its facilities for transportation, its durability and the perfection of its cutting apparatus.

Deering Corn Harvester,
With Ball Bearings.

Has demonstrated that the horizontal principle for binding corn is the only correct one. This machine has been improved, and is ready to continue the victories of the past two seasons.

Deering Binder Twine,

Is "just what the tag says it is"—it is honest, long and strong.

Dutton Mower Knife Grinder.

The wheel is made of corundum, and is hollow. Fill the wheel with water before using. When in motion the water is forced out through the wheel, which is porous. This keeps the knife cool. No gumming; no loss of temper, either on the part of the knife or its owner.

Price......................... $5.00

Schofield Steel
Frame Bi-Treadle
Grind Stone.

This is, without doubt, one of the handiest implements on the farm. No necessity to call a boy to turn the stone, the work being done with both feet, as its name indicates. It has also a self-watering attachment. The people will have it; consequently it is just the thing for jobbers and dealers to handle.

Price, Stone and Frame complete........... $5.35
Frame and Hanger, without stone........ 4.00

SEND FOR CATALOGUE.
"Forty Harvest Seasons."

BINDER
TWINE.

As mentioned elsewhere in this Catalogue, we carry a very large stock of the best twine of every kind at lowest figures, which we can supply in any quantity desired. Prices furnished on application.

ALL KINDS OF REPAIRS ON HAND.
WE ARE GENERAL AGENTS FOR

Knives, Section Guards, Rivets, Knife Heads, Cotters, Steel Punches, Cold Chisels, &c., &c.

FOR ALL LEADING MOWERS, REAPERS AND BINDERS ON THE MARKET.

Also furnish Thresher Teeth, with or without Nuts, for all leading Threshers.

Link Chain Belting for use on Mowers, Reapers, Binders, Corn and Wheat Drills, Corn Shellers, Straw Stackers, Feed Cutters, Traction Engines, etc. Other attachments will be furnished at special prices.

In ordering above Repairs ALWAYS BRING or SEND the PART YOU WISH Duplicated, or a DRAWING, also ALWAYS give the NAME OF MACHINE and NUMBER OF PART. Write us for prices and terms.

ALL KINDS OF MACHINERY REPAIRED.

The manufacturers of these Pumps are among the Largest in the World, and our friends need go no further to find an Iron Pump suitable to their needs, for we can now furnish Pumps and appliances for any use whatever. We have only room to indicate a few of the kinds mostly used, but we will be glad to furnish any information not found here.


**Fig. 852½.**—This Pump has the revolving sight top and outlet back of spout for attaching spout.

No. 4—Diam. Cyl., 3 in.; Stroke, 6 in.; Capacity per Stroke, 18 gal.; Suction, 1½ in. Pipe; Discharge, ¾ in. Pipe; Upper Discharge, 1½ in.; Hose; Lift and Force, 60 ft.

List Price......................$12.50
20 per cent. discount to consumers.

Gould's Anti-Freezing Well Lift Pumps.


**Fig. 1016.**—This is the latest design in Anti-Freezing Pumps with wrought iron connecting pipe, for outdoor cisterns and shallow wells, where water is not more than 25 feet below surface. Pump has revolving top, recessed or cupped, to admit priming if necessary.

No. 4—Diam. Cyl., 3 in.; Stroke, 6 in.; Capacity per Stroke, 18 gal.; Suction, 1½ in. Pipe; Lift, 30 ft.

Price......................................$7.00
20 per cent. discount to consumers.


**Fig. 1148.**—Used for distributing water about the premises. When operated by hand this Pump has 6 in. stroke and with wind mill power will give 10 in. stroke. This Pump with brass body cylinder will go inside 3 in. well casing, and brass lined cylinder inside 9/16 in. casing. State whether deep or shallow well.

No. 4—Diam. Lower Cyl., 3 in.; Stroke, 6 in.; Capacity per Stroke, 18 gal.; Suction, 1½ in. Pipe; Lower Discharge, 1½ in.; Upper Discharge, ¾ in. hose; Lift and Force, 75 ft.

Price, Brass Lined Cylinder.............$29.00
" Body "..................................21.00
20 per cent. discount to consumers.

Gould's "Empire" Double-Acting Well Force Pump, For Shallow or Deep Wells.

**Fig. 1025.**—This has common top, is adapted for deep or shallow wells. The beam that rests with the parts forming the standard, is not revolving, and cannot be interchanged for other styles. This Pump will go inside 3 inch well casing. State whether deep or shallow well.

No. 4—Diam. Lower Cyl., 3 in.; Stroke, 6 in.; Capacity per Stroke, 18 gal.; Suction, 1½ in. Pipe; Discharge, ¾ in. Hose; Lift and Force, 75 ft.

Price, Brass Lined Cylinder.............$14.50
" Body "..................................10.50
20 per cent. discount to consumers.

Gould's "Empire" Double-Acting Well Force Pump, For Deep or Shallow Wells.

**Fig. 1028.**—With wind mill top, brass three-way cock and connecting rod. This additional cock and rod for distributing water about the premises will bring this Pump into favorable comparison with other wind mill distributing pumps. This Pump will go inside 6 in. well casing. State if deep or shallow well.

No. 4—Diam. Lower Cyl., 3 in.; Stroke, 6 in.; Capacity per Stroke, 18 gal.; Suction, 1½ in. pipe; Lower Discharge, ¾ in. Pipe; Upper Discharge, ¾ in. hose; Lift and Force, 75 ft.

Price, Brass Lined Cylinder.............$17.50
" Body "..................................12.50
20 per cent. discount to consumers.


**Fig. 1152.**—Shows the New Set Length Lift and Force Pump. The wrought iron base and base can be adjusted to meet any requirements of height of lever and spout. We furnish stock or standard without set length, adapting it for any style of lower working cylinder.

No. 4—Diam. Cyl., 3 in.; Stroke, 6 in.; Capacity per Stroke, 15 gal.; Suction, 1½ in. pipe; Discharge, ¾ in. Hose; Lift and Force, 30 ft.

Price, Iron...................................$8.50
Price, Brass Lined Cylinder.............9.50
20 per cent. discount to consumers.

Gould's "Empire" Double-Acting Well Force Pump, For Deep or Shallow Wells.

**Fig. 1146.**—This is constructed with brass lined or brass body cylinder as ordered, both having inside attachments, provided with metal lower valve and brass valve seat. This Pump with brass body cylinder will go inside of ¾ in. casing, and will be furnished in line of 9/16 in. casing. State whether deep or shallow well.

No. 4—Diam. Lower Cyl., 3 in.; Stroke, 5 in.; Capacity per Stroke, 15 gal.; Suction, 1½ in. Pipe; Discharge, ¾ in. Hose; Lift and Force, 75 ft.

Price, Brass Lined Cylinder.............$10.00
" Body "..................................10.00
20 per cent. discount to consumers.

Iron Cylinder Close Top Pitcher Spout Pump.

**Fig. A.**—Shows the Improved Pitcher Pump, a style in universal favor for home use, where a cheap and substantial cistern pump is wanted. The cylinders are bored perfectly true and highly polished. All parts are made to exact gauges, so that repairs will always fit. To prevent freezing, trip valves by raising lever to extreme height.

No. 1—Size Cyl., 2¾ in.; Fitted for 1 in. Pipe; Stroke, 4 in.

List Price, $4.25 Retail Price, $1.25

No. 2—Size Cyl., 3½ in.; Fitted for 1¼ in. Pipe; Stroke, 4 in.

List Price, $4.75 Retail Price, $1.50
20 per cent. discount to consumers.
A Single Pump for a Variety of Services.

A COMBINED LIFT AND FORCE PUMP, with Brass Cylinder, of suitable capacity for any ordinary purpose. For shallow or deep well. Reversible handle properly balanced. Notice the handle attachment—it allows no side wear. Stroke is long and direct. Top is tight. Base and Brace both adjustable. Galvanized set length. Large Air Chamber provided with pet cock, making it either a Lift or Force Pump at will. It has a Drip Hole or Waste Way, making it perfectly anti-freezing. Lever closes tight against standard, rendering it safe for shipment and less liable to breakage. Hose connection and strainer furnished free.

THIS PUMP BY ITS CONSTRUCTION is especially adapted for drive wells. In many cases it is difficult to cut off the pipe in the well the exact length wanted. By its adjustable base this bother is done away with, together with the necessary raising or lowering of the platform.

FOR ORDINARY PUMPING always open the air cock; it will work easier. When used as a Force Pump, air cock should be closed, when the stream will be strong and steady.

Pump is offered in two sizes, No. 2 and No. 4.

<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2, 3% in., 9½ in., 1½ in. pipe, 3½ in. hose, $17.60</td>
</tr>
<tr>
<td>4, 3% in., 9½ in., 1½ in. &quot; 3½ in. &quot; 18.00</td>
</tr>
</tbody>
</table>

The IXL Galvanized Steel Curb.

This Wood Curb Chain Pump is first-class in every respect; nicely finished; nicely painted and striped. We have an increasing demand for them every year.

Prices:
Chain Pump curbs, each........................ 12.00
Chain Pump tubing, per foot...................... .06
Chain (running 4 to 4 1/2 feet to lb.), per lb........ .10

The IXL Galvanized Steel Curb.

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.

Victor Expansion Rubber Bucket.

For Chain Pumps, Anti-Freezing.

These are made of best materials, malleable iron links, best quality white rubber, so formed as to lock the nut wherever it is placed on the link. They have largest expansion and great durability, and give perfect satisfaction. To adjust this bucket to fit tubing, the rubber is first turned back, thus exposing the nut and allowing it to be moved with ease or down or up on the link. When the nut is located on the link as far as it can be moved upward, the bucket is of its smallest diameter, and will fit new tubing accurately. Expanded by turning the rubber to the left downward on the link. When the nut is on lowest point of link the bucket has attained its greatest expansion.

Price...........................................10 cents.

Swivel Link.

Crosby Swivel Link lets twists and kinks out and prevents catching and breaking of chain. Has an air chamber on top which conduces the air to bottom of well. It is self-expansive, the base of bucket being an eighth of an inch larger at the bottom than bore in the tubes, which allows it to expand and the groove in the side to contract.

The wear comes on the whole side and not on the extreme edge, as on other buckets.

Price...........................................10 cents.

ALL KINDS OF HARROW REPAIRS ON HAND.
THE BALTIMORE PUMP.
With and Without Porcelain Cylinder, Suitable for Cisterns, Shallow and Deep Wells.

PRICES OF PUMPS FITTED COMPLETE.

<table>
<thead>
<tr>
<th>6 x 6 Unlined</th>
<th>6 x 6 Lined</th>
<th>7 x 7 Lined</th>
</tr>
</thead>
<tbody>
<tr>
<td>List</td>
<td>Retail</td>
<td>List</td>
</tr>
<tr>
<td>For 6 ft. well</td>
<td>$5.75</td>
<td>$4.60</td>
</tr>
<tr>
<td>8</td>
<td>$6.65</td>
<td>$4.85</td>
</tr>
<tr>
<td>10</td>
<td>$7.00</td>
<td>$5.00</td>
</tr>
<tr>
<td>12</td>
<td>$7.35</td>
<td>$5.35</td>
</tr>
<tr>
<td>14</td>
<td>$7.82</td>
<td>$5.50</td>
</tr>
<tr>
<td>16</td>
<td>$7.10</td>
<td>$5.70</td>
</tr>
<tr>
<td>18</td>
<td>$7.90</td>
<td>$5.95</td>
</tr>
<tr>
<td>20</td>
<td>$8.18</td>
<td>$6.00</td>
</tr>
<tr>
<td>24</td>
<td>$8.67</td>
<td>$6.60</td>
</tr>
<tr>
<td>28</td>
<td>$9.49</td>
<td>$6.99</td>
</tr>
<tr>
<td>35</td>
<td>$12.74</td>
<td>$8.00</td>
</tr>
<tr>
<td>40</td>
<td>$15.50</td>
<td>$8.50</td>
</tr>
<tr>
<td>50</td>
<td>$19.00</td>
<td>$9.00</td>
</tr>
<tr>
<td>75</td>
<td>$25.00</td>
<td>$10.50</td>
</tr>
<tr>
<td>100</td>
<td>$30.75</td>
<td>$11.25</td>
</tr>
<tr>
<td>150</td>
<td>$45.00</td>
<td>$12.75</td>
</tr>
</tbody>
</table>

STANDARD LIST PRICES
Wood Pumps, Tubing and Extras.

ADOPTED DECEMBER 8, 1892.

"No. 0" Stock Pumps.—7 in. Square, 4 in. Bore.

<table>
<thead>
<tr>
<th>Porcelain Lined</th>
<th>Porcelain Lined</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft. long, in one piece</td>
<td>$7.80</td>
</tr>
<tr>
<td>8</td>
<td>$9.10</td>
</tr>
<tr>
<td>10</td>
<td>$10.30</td>
</tr>
<tr>
<td>12</td>
<td>$11.50</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$13.05</td>
</tr>
<tr>
<td>12</td>
<td>$14.30</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$15.00</td>
</tr>
<tr>
<td>10</td>
<td>$16.30</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$18.50</td>
</tr>
<tr>
<td>12</td>
<td>$20.50</td>
</tr>
</tbody>
</table>

"No. 1" The Favorite House Pump.

6 INCHES SQUARE, 3/4 INCHES BORE.

<table>
<thead>
<tr>
<th>Porcelain Lined</th>
<th>Porcelain Lined</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft. long, in one piece</td>
<td>$6.50</td>
</tr>
<tr>
<td>8</td>
<td>$7.50</td>
</tr>
<tr>
<td>10</td>
<td>$8.50</td>
</tr>
<tr>
<td>12</td>
<td>$9.50</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$10.55</td>
</tr>
<tr>
<td>12</td>
<td>$11.50</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$11.00</td>
</tr>
<tr>
<td>10</td>
<td>$12.50</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$13.00</td>
</tr>
<tr>
<td>12</td>
<td>$14.00</td>
</tr>
</tbody>
</table>

Pumps for Drive Wells.

TO FIT 1 1/4, 1 1/2, OR 2 INCH IRON PIPE.

Iron Cylinder Attached | Iron Cylinder Attached
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1, House, 6 ft. long</td>
<td>$6.50</td>
</tr>
<tr>
<td>8</td>
<td>$7.50</td>
</tr>
<tr>
<td>10</td>
<td>$8.50</td>
</tr>
<tr>
<td>12</td>
<td>$9.50</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$10.50</td>
</tr>
<tr>
<td>10</td>
<td>$11.50</td>
</tr>
<tr>
<td>15 ft. long, Extension Cylinder</td>
<td>$12.00</td>
</tr>
<tr>
<td>12</td>
<td>$13.00</td>
</tr>
</tbody>
</table>

Special Prices on Drive Well Points.

Tubing, Couplings, Etc.

| 4 x 4 Tubing, per foot | $0.15 |
| 6 x 6 Extension Tubing, per foot | $0.55 |
| Couplings for 4 x 4 Tubing, with Bands | $0.40 |
| Extra Iron Spouts, Japanned, each | $0.50 |
| Wood Spouts, each | $0.15 |
| Braces for Wood Spouts, each | $0.15 |
| Iron Brackets, each | $0.40 |
| Extra Buckets, 3/4 inch, each | $0.50 |
| Extra Buckets, Woods, per doz | $3.00 |
| Leathers, per doz | $3.00 |
| " Links, each | $0.25 |
| Bands, each | $0.10 |
| Check Valves, per doz | $1.50 |
| Splice Straps, pair, with bolts | $0.25 |
| Iron Pipe Connections, each | $0.75 |

ALL KINDS OF REPAIRS ON HAND.
The Vandergrift Rotary Washer.

(Patented April 19, 1892, and October 27, 1896.)

A Perfect Machine for the user, Therefore a most excellent one for the dealer to handle.

One of the lightest running and most easy working washers ever placed on the market.

Any woman can operate it with ease.

It closes tight, preventing the escape of steam and retaining the heat in the washer.

The Vandergrift Rotary is so arranged that by turning the large balance wheel in one direction the dasher inside the machine reverses or rotates in opposite directions, thereby giving the best possible results. The large balance fly wheel (weighing seventeen pounds) is a great help in causing the Washer to turn easily, and can be quickly removed when desired. Price, $8.00.

The Improved Pan-American Washer.

One of the Most Successful Washers on the Market.

**IT IS SUPPLIED WITH THE LATEST IMPROVED GEARING.**

**GUARANTEED TO GIVE SATISFACTION.**

The cuts shows the exterior and interior of our Improved Pan-American Washer. The machine is constructed of clear pine, and is strong, nicely finished, and as large as any round machine on the market. The Inside of the machine is fully corrugated, similar to a washboard, there being no nails or blocks of any kind on the inside.

The machine is made with the large end of the tub down, allowing plenty of room for water and clothes. The hoops are made of extra heavy hoop iron, and warranted not to break. The brackets that hold the legs of the machine are so arranged that the leg is self-adjusting thereby insuring the machine to stand solid on the floor.

It closes tight, and retains the heat in the water for a long time, and prevents the odor of foul steam from the clothes. The washer can be used on a carpet without soiling the same. It has a large, convenient place for holding the wringer, which need not be removed while using the machine. Our Pan-American Washers are guaranteed to be perfect in every respect. If they do not prove all that we claim for them, they can be returned to us, and the amount paid will be refunded. All we ask is a trial. Without wringer, $3.00; cheaper grade, $1.00.

**IRON FRAME.**

Relief Wringer.

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 overstrained, and will wear much longer than in the ordinary iron frame Wringer.

With Cog Wheels. Five sizes. Packed four and six in a case.

No. 22.—Small Family. Size of Rolls, 10 x 3-4 in. Price, $3.00. Rolls, each, $1.25.

Superior Wringer.

Also carry a stock of the following well-known Iron Frame Wringers:

**SIZE OF ROLLS.**

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superior</td>
<td>10 x 3-4 in</td>
<td>$2.50</td>
</tr>
<tr>
<td>Daisy</td>
<td>12 x 3-4 in</td>
<td>$3.00</td>
</tr>
<tr>
<td>Star</td>
<td>10 x 3-4 in</td>
<td>$1.50</td>
</tr>
<tr>
<td>Extra Rolls</td>
<td>10 x 3-4 in</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

ALL KINDS OF MACHINERY REPAIRED.
SUPERIOR DAIRY GOODS.

Has worked its way steadily to the front, and is now acknowledged to be one of the very best that is made anywhere. The highest testimonials of its excellence are accorded to it. It is the Dairy Churn par excellence.

The Ball Levers as a locking device were an original feature of the Favorite, and the manufacturers of this churn possess the skill right to make and sell churns with a ball pivoted to the iron ring head, the only suitable and practical place to fasten them to secure a strong and durable locking arrangement that will not soon give out or cause leakage.

POINTS OF EXCELLENCE.

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. It is simple in construction, and convenient to operate. Don't buy a counterfeit.

THE STODDARD CHURN.

One of the most perfect on the market, as attested by sales. Made in nine sizes, for dairy or factory, with or without pulleys. The principle is concussion, and not friction. Has no floats or paddles. Cover removed instantly. Has one of the best fasteners made. Send for prices. We can furnish full line of Dairy Supplies.

Pulleys for power extra. 12 inch Iron Pulley, including extra heavy frame. 500. Cone Pulley Attachment, for Dog Power... Special Discount for Cash.

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.

SPAIN'S PATENT CHURN.

Made of White Cedar and bound with Galvanized Iron Hoops. A special form of dasher arranged to produce the best effect. A large opening through which the dasher can be removed, admitting of thorough cleansing and ventilation of both dasher and churn.

NOTE.—The churning capacity as given above represents half the full capacity of churns.

RICE'S.. CALF .. WEANERS.

Also prevents cows from sucking themselves. No. 1, for Calves, 20 cents; by mail, 25 cents. No. 2, for Heifers, 50 cents; by mail, 65 cents. No. 3, for Cows, 75 cents; by mail, 85 cents.

ALL KINDS OF REPAIRS ON HAND.
Stoddard Creamery.

With or Without Special Refrigerator, Thorough in Construction, Simple in Operation, Accurate in its Working.

**Family Class.**

<table>
<thead>
<tr>
<th>No.</th>
<th>No. of Cans</th>
<th>No. of Cows</th>
<th>Plain Creamery</th>
<th>With Special Refrigerator</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
<td>$20.00</td>
<td>$31.00</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>3 to 4</td>
<td>$30.00</td>
<td>$37.00</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>5 to 6</td>
<td>$32.00</td>
<td>$37.00</td>
</tr>
</tbody>
</table>

**Dairy Class.**

<table>
<thead>
<tr>
<th>No.</th>
<th>No. of Cans</th>
<th>No. of Cows</th>
<th>Plain Creamery</th>
<th>With Special Refrigerator</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>5 to 6</td>
<td>$25.00</td>
<td>$36.00</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>7 to 9</td>
<td>$31.00</td>
<td>$42.00</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>10 to 15</td>
<td>$37.00</td>
<td>$48.00</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>13 to 15</td>
<td>$43.00</td>
<td>$54.00</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>15 to 18</td>
<td>$49.00</td>
<td>$56.00</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>20 to 24</td>
<td>$61.00</td>
<td>$78.00</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>25 to 30</td>
<td>$73.00</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>12</td>
<td>30 to 36</td>
<td>$85.00</td>
<td></td>
</tr>
</tbody>
</table>

Subject to special discount.

No. 2 Family Class and No. 2 Dairy Class are not made with the separate refrigerator compartment unless so ordered. The above prices do not include partitions, nor more than one water faucet. If partitions or extra water faucet is wanted, they will be furnished at $1.00 each.

In considering the first cost of a Separator count up the gain which we absolutely guarantee by its use, and see if it will not amount to at least fifty per cent. or one hundred per cent. per year on the investment.

**Sharles' Cream Separator.**

This cut shows the Safety Hand Separator, No. 3. It has a capacity of 300 pounds of milk skimmed clean per hour. Weight, 150 lbs.

Price...$100.00

There are hundreds of dairymen who have a very good idea all to themselves, that a Cream Separator would pay well, and, in fact, that they should have one in their dairy, but they look at the cost, and then try to persuade themselves that perhaps half that is claimed for the machines is not true, and that at any rate, they will wait awhile.

If the first cost of a separator seems high for a farm implement, please consider for a moment that it is an all-the-year-round machine, Sundays included, and not like nearly all other agricultural machinery—only intended for use a few days in a year.

Remember, in estimating the cost, that a Separator must have a constitution like a man who never gets sick, for it won't do to have the machine break down for a single day.

For that reason, and other reasons, a Separator must be built like a watch, and not like a corn sheller.

Every spindle in a Sharles Separator is gauged to a limit of less than one-thousandth part of an inch, and the material used in its spindles is the finest crucible steel.

The bowl can be put on an anvil and hammered for an hour with a sledge, but will not show the slightest crack.

Other makes of Cream Separators are not built like this, but the Sharles are, and they are expensive to build, and must be sold at prices asked to pay any margin.

Many thousands of these machines are in operation, and no accident has ever happened with one, and we propose to continue to build them so that none can ever happen.

**IT TURNS EASILY.**—The bowls are lighter than any others of same capacity, while all the bearings are of hard steel and of exceptional truth and roundness. This, together with the fact that the gearing is of an improved design and very accurately cut, explains the reasons for very easy-running hand machines.

**IT IS THE NEATEST LOOKING.**—Compact, all running parts covered, and entire freedom from splattering of oil, they are little beauties. Milk or water spilled on or about them will not reach the bearings or working parts, and can be wiped off the machine while it is in motion without fear of entangling cloth or sponge.

**THE BOWL IS SIMPLE AND EASY TO CLEAN.**—Not over four or five minutes are required in which to thoroughly wash and cleanse a bowl. Every part is open and accessible, and no corners for dirt or milk to lodge in unseen.

Power Machines are described in a little booklet which we will be glad to forward free on application.

**Floating Glass Thermometers.**

Price, 25 cents each.

8-inch Dairy Thermometer stands boiling water. Price, 50 cents each.

---

**ALL KINDS OF MACHINERY REPAIRED.**
Reid's
BUTTER WORKER.

This is a machine that is very efficient in its work, simple in its construction, and convenient to handle. It will work a batch of butter in from three to

<table>
<thead>
<tr>
<th>PRICE</th>
<th>No. 1, Size 23 x 36 in., and 2½ in. deep inside, Capacity 50 lbs.</th>
<th>Weight 45 lbs.</th>
<th>List price, $10.00 Retail price, $8.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 lbs.</td>
<td>22 x 36 in.</td>
<td>24 lbs.</td>
<td>25 lbs.</td>
</tr>
<tr>
<td>40 lbs.</td>
<td>18 x 36 in.</td>
<td>21 lbs.</td>
<td>22 lbs.</td>
</tr>
<tr>
<td>50 lbs.</td>
<td>14 x 36 in.</td>
<td>17 lbs.</td>
<td>18 lbs.</td>
</tr>
</tbody>
</table>

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work

<table>
<thead>
<tr>
<th>PRICE</th>
<th>No. 0, Size 23 x 37 in., and 3 in. deep inside. Capacity 14 lbs.</th>
<th>Weight 45 lbs.</th>
<th>List price, $10.00 Retail price, $8.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 lbs.</td>
<td>24 x 37 in.</td>
<td>27 lbs.</td>
<td>28 lbs.</td>
</tr>
<tr>
<td>70 lbs.</td>
<td>22 x 37 in.</td>
<td>25 lbs.</td>
<td>26 lbs.</td>
</tr>
<tr>
<td>80 lbs.</td>
<td>20 x 37 in.</td>
<td>23 lbs.</td>
<td>24 lbs.</td>
</tr>
</tbody>
</table>

When desired, we can send legs along with any size machine, for $4.00 extra, which can be set up

BUTTER BOXES.

These are thorough aerators, because the water flowing upwards inside the sheets of copper becomes heated by the warm milk flowing down over the outsides; this brings warm milk and warm water together at the top of the cooler; the milk being gradually cooled as it descends, leaves the cooler within 2 degrees of the temperature of water run through it.

In the smallest size every drop of milk is compelled to flow over 40 inches of surface, all on outside of machine. Will cool milk as fast as it can be milked; no ice required.

These coolers are constructed of Copper Sheet and Brass Castings, heavily tinned, and have surface enough to do the work claimed in hot weather. Will not rust, last a lifetime.

Price, No. 1 Star Cooler, 35 gallons per hour...$35.00 Price, No. 2 Star Cooler, 50 gallons per hour...$45.00

The
IMPROVED MIlK CAN.

EXTRA HEAVY.

For Peddlers...and...

SHIPPERS OF MILK.

These Cans have the Improved Round Top. Milk cannot spill. Made of heavy wrought steel. Put together in black, then double tinned very heavily, making it the most compact can on the market.

Price, 5 gallon, $1.75. Price, 10 gallon, $2.50.

ALL KINDS OF MACHINERY REPAIRED.
INSULATION.
The insulation, or non-conducting supremacy of the Leonard castings is unequalled, there being no less than eight separate and distinct walls separating the contents from the outside air, in order as above shown.

AIR SPACE AND MINERAL WOOL.
Air is the best distributor of heat, and also the greatest barrier to its transmission, according as it has or has not freedom to circulate. To prevent the conveying of heat to the inside of our Refrigerators, the air space is made as nearly airtight as possible. This air space also prevents moisture from within from reaching the outside case and swelling it out of shape.
MINERAL WOOL is a vitreous substance having the appearance of wool. It is made from the slag of blast furnaces or other similar material by throwing a jet of steam against a small stream of liquid glass. In this manner it is so expanded that it contains 92 per cent. of air, and only 8 per cent. of the original substance. This air is confined and held in position, consequently it cannot carry heat and makes the best known insulating material. It is also indestructible, and will not mould or smell. The sheathing used in these Refrigerators is the Bird Patent Water Proof Odorless Sheathing. It is called charcoal sheathing by some manufacturers, and is sometimes the only material used for insulation, and only a single layer at that. By reference to the above diagram you will see that there are EIGHT walls for insulation.

One of the most important features in the construction of Refrigerators is the keeping of dampness from the wood work. The manufacturers of these Refrigerators are the sole owners of the only patent which accomplishes this object, and as such work is necessarily concealed from view, your only way to be sure of a durable Refrigerator, and one that is free from smell or mould, is to buy the LEONARD CLEANABLE.

Be sure to write for full descriptive catalogue, FREE.

THE FOLLOWING SIZES ARE MINERAL WOOL FILLED.

<table>
<thead>
<tr>
<th>SINGLE DOOR, CARVED</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 270—27x18x42</td>
<td>$23.00</td>
<td>$15.75</td>
</tr>
<tr>
<td>No. 271—31x20x44</td>
<td>$28.00</td>
<td>$16.75</td>
</tr>
<tr>
<td>No. 272—32x24x47</td>
<td>$39.00</td>
<td>$25.75</td>
</tr>
<tr>
<td>Same, with Water Cooler</td>
<td>$19.50</td>
<td>$11.75</td>
</tr>
<tr>
<td>No. 70—27x18x42</td>
<td>$19.50</td>
<td>$11.75</td>
</tr>
<tr>
<td>No. 71—31x20x44</td>
<td>$24.00</td>
<td>$14.50</td>
</tr>
<tr>
<td>No. 72—32x24x47</td>
<td>$25.50</td>
<td>$15.75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOUBLE DOOR, CARVED</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 273—33x20x46</td>
<td>$32.00</td>
<td>$19.25</td>
</tr>
<tr>
<td>No. 274—36x21x48</td>
<td>$37.00</td>
<td>$22.25</td>
</tr>
<tr>
<td>No. 276—40x24x50</td>
<td>$43.00</td>
<td>$25.75</td>
</tr>
<tr>
<td>Same, without Water Cooler</td>
<td>$27.50</td>
<td>$16.50</td>
</tr>
<tr>
<td>No. 73—33x20x46</td>
<td>$27.50</td>
<td>$16.50</td>
</tr>
<tr>
<td>No. 74—36x21x48</td>
<td>$32.00</td>
<td>$19.25</td>
</tr>
<tr>
<td>No. 75—40x24x50</td>
<td>$38.00</td>
<td>$22.25</td>
</tr>
</tbody>
</table>

THE FOLLOWING ARE CHARCOAL FILLED.

<table>
<thead>
<tr>
<th>SINGLE DOOR, EMBOSSED</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 210—25x17x40</td>
<td>$19.00</td>
<td>$10.75</td>
</tr>
<tr>
<td>No. 211—27x18x42</td>
<td>$21.50</td>
<td>$13.00</td>
</tr>
<tr>
<td>No. 212—31x20x44</td>
<td>$27.00</td>
<td>$16.25</td>
</tr>
<tr>
<td>Same, without Water Cooler</td>
<td>$14.50</td>
<td>$8.75</td>
</tr>
<tr>
<td>No. 10—25x17x40</td>
<td>$14.50</td>
<td>$8.75</td>
</tr>
<tr>
<td>No. 11—27x18x42</td>
<td>$18.00</td>
<td>$10.75</td>
</tr>
<tr>
<td>No. 12—31x20x44</td>
<td>$23.00</td>
<td>$13.75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOUBLE DOOR, EMBOSSED</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 213—33x24x48</td>
<td>$31.00</td>
<td>$18.75</td>
</tr>
<tr>
<td>Same, without Water Cooler</td>
<td>$28.50</td>
<td>$16.00</td>
</tr>
<tr>
<td>No. 13—33x24x48</td>
<td>$28.50</td>
<td>$16.00</td>
</tr>
</tbody>
</table>

Walls of the following are Hollow and Insulated with Charcoal Sheathing.

<table>
<thead>
<tr>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 249—24x16x38</td>
<td>$14.25</td>
</tr>
<tr>
<td>No. 250—27x18x44</td>
<td>$18.25</td>
</tr>
</tbody>
</table>

ICE CHESTS.

<table>
<thead>
<tr>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 29—32x18x25</td>
<td>$8.00</td>
</tr>
<tr>
<td>No. 40—30x18x25</td>
<td>$9.50</td>
</tr>
<tr>
<td>No. 41—34x21x27</td>
<td>$11.00</td>
</tr>
<tr>
<td>No. 42—36x22x27</td>
<td>$14.50</td>
</tr>
<tr>
<td>No. 43—41x26x34</td>
<td>$17.50</td>
</tr>
<tr>
<td>No. 44—41x26x36</td>
<td>$22.00</td>
</tr>
</tbody>
</table>

SPECIAL CATALOGUE OF THE ABOVE ON APPLICATION.
THE BROWN WAGON.

To overcome the objections in tongue chains, as commonly used, Coll Springs have been applied to ease the draft on the team’s neck, when the chains are forced to control the tongue, or hold back. Branch Chains have also been added to each tongue chain. A Branch Chain is to destroy, as far as possible, the side jerking, and to protect the horse from the whipping motion of the tongue. The Coll Springs yield to either the pull of the chain or branch, saving the team at all times from the sudden jerking of the tongue, protecting both horses and harness. The Branch Chains have a tendency to prevent side motion of the tongue—same as neck yoke, but less cramping for the horses—while the Coll Springs supply the place of the vibrating of the neck yoke to ease the team’s neck. Only wagon with Yielding Tongue Chains with Check Branches.

SKEIN AND AXLE DIFFERENT FROM ALL OTHERS.

Our Extension Shoe Skein is one of the greatest improvements on wagons during the last fifty years, as it protects the axle as well as the skein, allowing the axe to be made of less material. The shoe of the skein supports the axle where it has the greatest load to bear, and is superior to the steel skein, as it allows a greater quantity of the axle to enter the shoe of the skein. The skein is also chilled on its face, and will wear longer than a steel skein. The steel skein has no temper in it, and is as soft as iron, as it is required to be welded to make it.

REASONS FOR ITS SUPERIORITY.

Oil Boiled Felloeis, shutting out all moisture, preventing rot and keeping tires tight. Stay Chains with springs to control the wheels, which destroy largely the switching of the tongue.

NUMBER, SIZE AND CAPACITY OF WAGONS.

No. 000, complete with gear brake, top box and seat. Capacity, 1800 to 2000 pounds. Price, $82.50.

No. 00 is a 2 3/8x1 1/2 inch skein; 7 1/2x1 1/2 inch hub; 11 2x1 1/2 inch tire; body, 9 feet by 12 to 14 inches deep inside, with gear brake, top box and seat. Capacity, 2000 to 2500 pounds. Price, $92.50.

No. 1 is a 3x3 inch skein; 8x3 inch hub; 11 2x5 1/2 inch tire; body, 9 to 9 1/2 feet long; 13 to 15 inches deep inside, with gear brake, top box and seat. Capacity, 3000 pounds. Price, $87.50.

In addition to above line of wagons, the Company are building for us a special line of steel skein inch pin Gears, with 4 inch tires. Prices, etc. as follows, Price:

No. 3, 3 1/2x11 skeins; capacity, 5000 pounds........ $80.00
No. 4, 3 1/2x12 skeins; capacity, 6000 to 7000 pounds ........................................ $85.00
No. 5, 4x12 skeins; capacity, 1000 to 8000 pounds.. $90.00

Depth of body given on all wagons above does not include top box, which is 6, 8, 10 or 12 inches deep. Tubular Axle Wagons furnished upon application. When 4-inch tires are wanted, add $10.00 to above, net; when 3-inch tires are wanted, add $6.00 to above, net; when wagon gears only (without body) are wanted, deduct $10.00 from above prices.

NORTH PATENT ADJUSTABLE BOLSTER SPRINGS.

Wagon will last longer, will carry load in much better condition, particularly fruit or produce that is likely to become bruised, etc., and will make the load run much easier to the horses.

WRITE FOR SPECIAL WAGON CATALOGUE.
The Lansing Wagon.

One of the Lightest Running, most substantially ironed and Finished Wagons on the market. Wheels boiled in Linseed Oil before the tire is set, and every Wagon is fully warranted against defects in either material or workmanship.

RETAIL PRICES AS FOLLOWS.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2½x8</td>
<td>14½x½</td>
<td>3000</td>
<td>Gear.</td>
<td>$59.00</td>
<td>2500</td>
<td>$22.50</td>
<td></td>
</tr>
<tr>
<td>3x8</td>
<td>14½x½</td>
<td>3500</td>
<td>&quot;</td>
<td>60.00</td>
<td>3500</td>
<td>60.00</td>
<td></td>
</tr>
<tr>
<td>3½x10</td>
<td>14½x9-16</td>
<td>4000</td>
<td>&quot;</td>
<td>63.50</td>
<td>4500</td>
<td>69.00</td>
<td></td>
</tr>
<tr>
<td>3½x12</td>
<td>14½x8</td>
<td>5000</td>
<td>&quot;</td>
<td>69.00</td>
<td>6000</td>
<td>75.00</td>
<td></td>
</tr>
<tr>
<td>4 x 12</td>
<td>2 x ¾</td>
<td>6000</td>
<td>&quot;</td>
<td>72.00</td>
<td>8000</td>
<td>81.00</td>
<td></td>
</tr>
</tbody>
</table>

1½ inch Steel Axle One-Horse Wagon, 1200 lbs. capacity, with Body Brake, $40.00.

Above prices include Double Box, Seat, Whiffle trees and Gear Brake top of hounds.

For Wide Tire add to above prices on Wagons as follows:

For 2 ½ inch Tire add...$3.00
For 3 inch Tire add...$6.00
For 3½ inch Tire add...$9.00
For 4 inch or 10 inch Top Box...2.00
For 14 in. " " 11.00)

LIST PRICES ON LANSING WAGONS COMPLETE.

<table>
<thead>
<tr>
<th>Size of Skein.</th>
<th>Size of Tire.</th>
<th>Price with Cast Skeins.</th>
<th>Price, with Steel Sk.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½x8</td>
<td>14½x½</td>
<td>3000</td>
<td>$50.00</td>
</tr>
<tr>
<td>3x8</td>
<td>14½x½</td>
<td>3500</td>
<td>92.00</td>
</tr>
<tr>
<td>3½x10</td>
<td>14½x9-16</td>
<td>4000</td>
<td>96.00</td>
</tr>
<tr>
<td>3½x12</td>
<td>14½x8</td>
<td>5000</td>
<td>100.00</td>
</tr>
<tr>
<td>4 x 12</td>
<td>2 x ¾</td>
<td>6000</td>
<td>112.00</td>
</tr>
</tbody>
</table>

If Gear only is wanted, deduct for lower box, $12.00; Top Box, $2.00; Seat, $1.00, from above list prices.

LIST PRICES ON EXTRAS.

Gear Brake, complete, $8.00; Rear Brake, Attachments, $8.00; Body Brake, complete, $5.00.

When wanted with Wide Tire, add as follows:

<table>
<thead>
<tr>
<th>Thickness</th>
<th>2½&quot; wide.</th>
<th>3½&quot; wide.</th>
<th>1½&quot; wide.</th>
<th>1 ½&quot; wide.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½&quot;</td>
<td>$2.00</td>
<td>$2.50</td>
<td>$2.00</td>
<td>$2.00</td>
</tr>
<tr>
<td>3&quot;</td>
<td>$3.50</td>
<td>$4.50</td>
<td>$3.50</td>
<td>$3.50</td>
</tr>
<tr>
<td>3½&quot;</td>
<td>$6.20</td>
<td>$5.00</td>
<td>$6.20</td>
<td>$5.00</td>
</tr>
<tr>
<td>4&quot;</td>
<td>$7.60</td>
<td>$7.60</td>
<td>$7.60</td>
<td>$7.60</td>
</tr>
<tr>
<td>4½&quot;</td>
<td>$8.20</td>
<td>$8.20</td>
<td>$8.20</td>
<td>$8.20</td>
</tr>
<tr>
<td>5&quot;</td>
<td>$9.00</td>
<td>$9.00</td>
<td>$9.00</td>
<td>$9.00</td>
</tr>
</tbody>
</table>

No. 1—Adapted for Buggies or light work, capacity 2,000 lbs. ........................................... $1.25
No. 2—For Heavy Wagons, Transfer Wagons, Trucks, etc., capacity from 3,000 to 5,500 lbs. ........................................... 1.50
No. 3—........................................... 2.25

It is made of selected Ash Wood, put together with bolts. Its weight is respectively 2 and 14 pounds each for Nos. 1 and 2. They are very strong and durable, as the strain comes parallel with the grain of the wood, the weight is shared throughout the entire machine. Some of the advantages of this Jack over all others on the market are: It is so constructed that you do not have to make any adjustments for different height axles, as this is regulated by the notch bar. The notch bar raises perpendicularly, which keeps the vehicle from pushing forward or backward, and thereby doing away with blocking or scotching. You do not, in placing it under the axle, wagon or truck, have to get down under the bed to place it under the axle. It will work on any kind of surface. The eccentric lever with the moving bars gaining on every pound lifted, makes it a good lever by which a boy ten years of age can lift the heaviest wagon. This Jack is an improvement which combines Simplicity, Practicability and Efficiency. This is the best Jack made! Gives entire satisfaction! Why not try it? We also have a cheap Jack, very simple in construction, but one which is easily handled, and is all right for light work. Price, 50 cents.

MILLER'S IMPROVED WAGON JACK.

IT IS MADE IN THREE SIZES.
BALTIMORE FARM AND CONTRACTORS’ CARTS.

All of first-class material, with 1 1/2 and 2 inch iron axles. Dimensions of No. 2 Cart: Height of body, 13 inches; height of top box or sideboards, 6 inches; width in front, 35 inches; rear, 37 inches; height of wheels, 5 feet. Can furnish any of above sizes in both wide and narrow tires at short notice. Used and recommended by a large number of farmers and contractors. Of all the implements or vehicles in use on the farm there is none more necessary than the farm cart. In the

BALTIMORE ONE-HORSE WAGON.

With 1 1/4 inch steel axle; 1000 lbs. capacity

BALTIMORE TRUCKERS’ WAGON.

This Wagon possesses a number of advantages over any that we have seen, as follows: The body has two rails on the side, studs 7/8 x 1 inch, solid corner posts, hardwood end-gate, tires 2 1/2 x 5 8 inch.

“Baltimore” we have incorporated all of the best features of the old style home-made cart, and have today, beyond any question of doubt, the best article of the kind made. Our Contractors’ Carts are strong and durable, well braced and specially made for heavy work.

In all our carts we retain the old trap stick, as you will see from above, and for which there has never been any good substitute made.

Having sold these goods extensively throughout Maryland, Pennsylvania, New York and the South, we are prepared to say that we have just what the Farmers and Contractors need, and believe that we can offer as much for the money as any other manufacturer in the country.
Road Carts, Road Wagons, Dayton Wagons.

No. 9 ROAD CART.
Steel Axles; 1/4 or 1 in. tread; wheels, 4 ft. high; good hickory shafts. State width of track.
No. 9 List $30.00 Retail $12.00

F. F. ROAD CART.
3/4 Wheels, 4 ft. high; 1 in. Axle, double Collar, Steel; good Hickory Shafts.
List $21.50 Retail $12.75

No. 0 BODY CART.
3/4 Wheels, 4 ft. high; 1 in. Axle, double collar, Steel; Spring swings in Shackle; best Hickory Shafts.
List $30.00 Retail $18.00

G. & T. GRADE ROAD WAGON.
This Wagon is made with Warner Wheels exclusively, unless specially ordered otherwise. 3-4 or 7-8 inch tread, nicely finished, and an exceedingly fine job for the money.
List $90.00 Retail $35.00

No. 16 ELLIPTIC SPRING CART.
1 inch steel axles; 2 elliptic springs; Best oil tempered; 1/4 or 1 in. tread; Warner wheels; upholstered in imitation leather or corduroy. Painted; gear imitation carmine, body black. Very easy riding cart. Always state width of track.
No. 16 List $36.00 Retail, $21.00

No. 15 PHAETON CART.
Hung on Boughton Springs. Easy for rider and horse. No weight on shafts or horse. Direct support between body and axle. Hangers connecting upper and lower half. Spring producing perfect suspension of body, making it independent of forward or backward movement of axles, obviating the so-called horse motion.
No. 15 List $38.00 Retail, $23.50

Baltimore Road Wagon.
Elliptic Springs, 15-16 double Collar, Steel Axles; Warner or Sarven Wheels; 3-4 or 7-8 inch tread; finished in natural wood or painted. Cut shows wood dash-board, but goods are now made with leather dash.
Price List $80.00 Retail, $35.00

Three Spring and Brewster Side Bar Dayton.
No. 1-Length of Body, 5 feet 10 inches; width, 2 feet 10 inches; Wheels, 3 feet 9 inches and 3 feet 5 inches, Warner or Shell band; Tire, 1x1-4 inch Steel; Axle, 1-1/2 inch Steel, oil tempered. Finished in natural wood or painted, if desired.
Price List $105.00 Retail, $65.00

WRITE FOR SPECIAL CATALOGUE.
Buggies, Surries, Delivery Wagons.

BREWSTER SPRING PIANO BOX BUGGY.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>57</td>
<td>Buggy, with Rubber Top</td>
<td>$85.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>57</td>
<td>Full Leather Quarter Top</td>
<td>$80.00</td>
<td>$55.00</td>
</tr>
<tr>
<td>57</td>
<td>Rubber Quarter Top</td>
<td>$75.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>57</td>
<td>Leather Quarter Top</td>
<td>$70.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>57</td>
<td>Full Leather Top</td>
<td>$65.00</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

BREWSTER SPRING CANOPY TOP SURREY.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-1</td>
<td>1-16 double collar swarded steel axles. Shell band. Warner or Sarven wheels; 6 or 1 in. tread; upholstered in cloth or imitation leather; rubber side curtains; body painted black; gear Brewster green or carmine. Can be furnished on Elliptic springs if desired.</td>
<td>$160.00</td>
<td>$100.00</td>
</tr>
<tr>
<td>111-1</td>
<td>Rubber Top</td>
<td>$150.00</td>
<td>$95.00</td>
</tr>
<tr>
<td>111-1</td>
<td>Leather, Stay and Quar. Top</td>
<td>$140.00</td>
<td>$85.00</td>
</tr>
</tbody>
</table>

ARCHED AXLE, END SPRING PIANO BOX BUGGY.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>Buggy, with Rubber Top</td>
<td>$85.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>55</td>
<td>Full Leather Quarter Top</td>
<td>$80.00</td>
<td>$55.00</td>
</tr>
<tr>
<td>55</td>
<td>Rubber Quarter Top</td>
<td>$75.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>55</td>
<td>Leather Quarter Top</td>
<td>$70.00</td>
<td>$50.00</td>
</tr>
<tr>
<td>55</td>
<td>Full Leather Top</td>
<td>$65.00</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

CANOPY TOP SURREY.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>73</td>
<td>AXLES: 1 1-16 double collar steel. Wheels: Shell band, Warner or Sarven, 6 or 1 in. steel tire, bolted between every spoke. Trimming: Upholstered in cloth or imitation leather, rubber side curtains, corners on body rounded up. Painting: Body black, gear either Brewster green or imitation carmine. Can furnish this in extension top if desired. Also hang this body on side bar springs. Long fenders over rear wheels. Light and very comfortable for four passengers. In ordering, state width of track.</td>
<td>$160.00</td>
<td>$100.00</td>
</tr>
<tr>
<td>73</td>
<td>Rubber Top</td>
<td>$150.00</td>
<td>$95.00</td>
</tr>
<tr>
<td>73</td>
<td>Leather, Stay and Quar. Top</td>
<td>$140.00</td>
<td>$85.00</td>
</tr>
</tbody>
</table>

EXTENSION TOP SURREY.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-1</td>
<td>Rubber Top</td>
<td>$140.00</td>
<td>$85.00</td>
</tr>
<tr>
<td>111-1</td>
<td>Leather, Stay and Quar. Top</td>
<td>$130.00</td>
<td>$75.00</td>
</tr>
</tbody>
</table>

DELIVERY WAGONS.

We regret that for want of space, we are unable to catalogue a full line of Delivery Wagons. We however can furnish anything in that line that may be desired, either with or without top, at the lowest possible prices, consistent with good workmanship and quality of material.

THE RUNABOUT.

HANDY, STRONG, EASY AND LIGHT.

This wagon is particularly adapted for carrying milk to creameries, etc., and is useful for light loads of any sort. It has 1-1/8 inch. steel axles, steel tires, drop end gate, 4 feet 6 inches, and 8 feet track. Body is 7 feet in length and 3 feet 2 inches wide over all. Brakes furnished, at an extra charge, when desired.

Price:

<table>
<thead>
<tr>
<th>Description</th>
<th>List</th>
<th>Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$70.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$40.00</td>
<td></td>
</tr>
</tbody>
</table>

DELIVERY WAGONS CONTINUED ON NEXT PAGE.
DELIVERY WAGONS—CONTINUED.

Baltimore Light Delivery Wagon.

This cut represents our Light Delivery Wagon with high seat and flaring sideboards. These wagons are made in only one way and no changes in make or finish will be made. This is just the wagon for country merchants to deliver goods. It is light running, strong and handsome. List, $80.00. Retail, $45.00.

No. 25. PLATFORM GEAR.—Low Front Wheels, 1½ in. Concord Axles; Gautier Steel Tires; Warner Wheels, X grade, 1½ in. tread. Body 7 ft. long, 3 ft. 3 in. wide inside. Painting as above. Capacity 1000 lbs.

Price ........................................ $80.00
Brake ........................................ 6.00

No. 26. Same style and finish as No. 25.—One size heavier; measurements in proportion. Capacity 1400 lbs.

Price ........................................ $82.00
Brake ........................................ 6.00

TOP WAGON.

No. 33. THREE SPRING GEAR.—1½ in. Steel Concord Axles; Gautier Steel Tires; Warner Wheels, X grade, 1½ in. tread. Body, ribbed sides, 6 ft. 6 in. long, 3 ft. 3 in. wide inside. Black oil back or white duck. Gear red or yellow, body green and carmine.

Price ........................................ $75.00
Brake ........................................ 6.00

No. 34. Same style and finish as No. 33.—One size heavier; measurements in proportion. Capacity 1400 lbs.

Price ........................................ $80.00
Brake ........................................ 6.00
Pole ........................................... 9.00

No. 37. PLATFORM DELIVERY WAGON.

No. 38. Same style and finish as No. 37.—Axles and wheels 1¼ in. heavier. Painting and trimming same as No. 37. Capacity 2200 lbs

Price ........................................ $120.00
Pole ........................................... 9.00
Brake ........................................ 7.50

Baltimore Florist Wagon.

1¾ in. Steel Concord axles, Warner wheels; Gautier steel Tires; 1¼ in. tread; body, 5 ft. 3 in. long from front seat; trimming, leather cushion and back; gear, cream or vermilion; body, rich and attractive colors. Bevel plate glass at sides, full doors at rear.

Price ........................................ $135.00

We are also prepared to furnish all kinds of fancy Delivery Wagons such as are used by leading dry goods, clothing and fancy goods houses at prices to suit.

Express Wagon with Shifting Top.

No. 89—1½ in. Concord axles, steel, Gautier steel tires; Warner and Sarven wheels; 1½ in. tread, cupped hubs. Body, 8 ft. long, 3 ft. 7 in. wide, 14 in. deep inside. Gear, red or yellow; body, green or red, handsomely striped and well finished. Chain or strap end-gate. Shafts only.

Capacity .................................... 2,100 lbs.
Price ........................................... $150.00
Pole ........................................... $9.00
Brake ........................................ $7.50

The top is made to be lifted off, post-hinged at top rail, can be folded, taking small space. Top covered, heavy sail cloth duck secured to top frame with straps and when not in use can be taken off and folded away.

No. 81.—Same style as No. 89. Capacity, 3,200 lbs. Axles and wheels 1¼ inch heavier, 1½ inch tread. Trimming and painting same as No. 89, also trimming and make of top. Shafts only.

Capacity .................................... 3,200 lbs.
Price ........................................... $165.00
Pole ........................................... $9.00
Brake ........................................ $9.00

SPECIAL WAGON AND CARRIAGE CATALOGUE ON APPLICATION.
No. 1. SINGLE BUGGY HARNESS.
Bridle, 5-8 inch; Traces, 1-1/4 inches; Saddle, 2-1/2 inches; Breast Collar and Breeching, single leather; Flat Lines, with Web Hand-parts; X-C Mounting; Price, with Collar and Hames, $7.00; with Breast Collar, $6.50.

No. 2. SINGLE BUGGY HARNESS.
Bridle, 5-8 inch; Traces, 1-1/4 inches; Saddle, 2-1/2 inches, with Nickel Hook and Terrets; Breast Collar and Breeching folded with Straight Lay; Flat Lines; X-C Mounting; Imitation Hand Stitched. Price, with Collar and Hames, $10.00; with Breast Collar, $9.00.

No. 3. SINGLE BUGGY HARNESS.
Bridle, 5-8 inch; Traces, 1-1/4 inches; Saddle, 3 inches, Breast Collar and Breeching, folded with Straight Lay; Flat Lines; X-C Mounting, with Nickel Hook and Terrets; Imitation Hand Stitched. Price, with Collar and Hames, $11.50; with Breast Collar, $10.00.

No. 4. SINGLE CARRIAGE HARNESS.
Bridle, 5-8 inch; Traces, 1-1/4 inches; Saddle, 3-1/2 inches; Breast Collar and Breeching, Folded with Straight Lay; Flat Lines; X-C Mounting; Imitation Hand Stitched. Price, with Collar and Hames, $11.50; with Breast Collar, $10.50.

No. 5. SINGLE CARRIAGE HARNESS.
Bridle, 3-4 inch, Chain Front; Traces, 1-1/4 inches; Saddle, 4 inches; Breast, Collar and Breeching, Folded with Straight Lay; Flat Lines; Nickel Hook and Terrets, and balance of Mounting X-C; Imitation Hand Stitched. Price, with Collar and Hames, $14.00; with Breast Collar, $12.50.

No. 6. SINGLE CARRIAGE HARNESS.
Bridle, 5-8 inch, Front; Traces, 1-1/8 inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, Folded with Wave Lay; Flat Lines; Full Nickel or Imitation Rubber Mounting; Imitation Hand Stitched. Price, with Collar and Hames, $15.50; with Breast Collar, $13.00.

No. 7. HAIR BRAIDED SINGLE Buggy HARNESS.
Bridle, 5-8 inch; Traces, 11-8 inches; Saddle, 3 inches; Hand Laced, Leather Lined; Breast Collar and Breeching, Folded with Wave Lay; Flat Lines; Full Nickel or Imitation Rubber Mounting; Hand Stitched. Price, with Collar and Hames, $21.00; with Breast Collar, $18.50.

No. 102. EXPRESS HARNESS.
Bridle, 3-4 inch; Traces, 1-1/2 inches, to buckle to Hames, or with Heel Chains and attached to Hames; Saddle, 3 inches; with Kersey Lining; Folded Breeching, with Straight Lay; Double Hip Straps; Brass or Nickel Mounting; Imitation Hand Stitched. Price, $22.50.

No. 100. DOUBLE BUGGY HARNESS.
Bridles, 5-8 inch; Traces, 1 inch, Fancy Bound Pads, 11-4 Inch Side Pieces and Folded Bellybands; Turnbacks, 3-4 inch; Hip Strap, 5-8 inch, with Patent Leather Drope; Flat Lines, Kip Collars; X-C Mounting. Price, $17.50.

No. 201. DOUBLE BUGGY HARNESS.
Bridles, 5-8 inch; Traces, 1-1/4 inches; Imitation Chain Front; Traces, 11-8 inches; Fancy Bound Pads under same; 11-4 inch side Pieces and Folded Bellybands; Turnback, 3-4 inch; no Hip Strap; Flat Lines; Patent Leather Collars; Full Nickel or Imitation Rubber Mounting; Imitation Hand Stitched. Price, $25.00.

No. 200. DOUBLE BUGGY HARNESS.
Bridles, 5-8 inch; Traces, 1-1/4 inches; Plain Pads, with Leather Holdings under same; 11-4 Inch Side Pieces; Folded Bellybands; Turnback, 3-4 inch, waived; Flat Lines; Patent Leather Collars; Nickel or Imitation Rubber Mounting; Imitation Hand Stitched, nicely Finished. Price, $30.00.

No. 300. DOUBLE WAGON HARNESS.
Bridle, 3-4 inch; Harness Leather Winkers; Ball Top Hames; 11-2 inch Traces, riveted to Hames, with Chain Ends; Folded Pad and Breeching; 3-4 inch Double Hip Strap; Kip Face Collars; Flat Lines. Price, $26.00.

No. 301. DOUBLE WAGON HARNESS.
Bridle, 3-4 inch, Patent Leather Winkers; Ball Top Hames; 11-2 inch Traces, riveted to Hames, with Chain Ends; Folded Pads and Breeching; 7-8 Double Hip Strap; Kip Collars; Flat Lines; Imitation Hand Stitched. Price, $29.00.

No. 302. HEAVY DOUBLE WAGON HARNESS.
Bridle, 3-4 inch, Patent Leather Winkers, Box Loop Checks; Brass Ball Top Hames; 3-inch Traces, riveted to Hames, with Chain Ends; Heavy Pads and Double Hip Strap; Kip Collars; Flat Lines; Imitation Hand Stitched. Price $34.00.

No. A. DUMP CART HARNESS.
Bridle, 7-8 inch; Lines, 7-8 inch; Breeching, 3 inches; No. 5 Saddle, Leather Covered; No. 62, Iron Bound Hames, 7-8 Hame Straps; Tug Chains; Kip Team Collar. Price, $18.00.

Prices on cheap Cart Harness on application.

Save Money on the Farm by Using the

ACME RIVET PUNCH.

The "Farmer's Factotum."

For Mendins Harness, Belting, etc.
Adapted for No. 1 Tubular Rivets which are sold by the Hardware Trade. A sample package of assorted rivets furnished with each machine.

This little machine will save more time and money for the farmers and livermen than anything on the market.

Price: Acme Rivet Punch, with box of 50 assorted rivets ........................................................ $1.00

HEADQUARTERS FOR EVERYTHING IN USE ON THE FARM.
### HALTERS.

#### No. 1 Web Halters.

**No. 694.**
Continuous piece No. 1. Web through metal corners. Leather chin piece. Rope lead, leather latch with snap. 
Price: 30 cents.

#### Fancy Striped Halters.

**No. 696.**
Price: 35 cents.

---

#### Rope Halters.

**No. 698.**
Price:
- No. 684—1-2 inch Jute Rope: 20c.
- No. 685—7-16 inch Jute Rope: 15c.
- No. 688—1 inch XX Sisal Rope: 30c.
- No. 690—1-2 inch Sisal Rope: 25c.

#### Fancy Striped No. 1 Extra Heavy Halters

**No. 698.**
Corners bound with leather riveted to ring loops. Leather chin piece with buckle. Rope lead, leather latch and snap. 
Price: 40 cents.

#### Jute Web Halters.

**No. 693.**
Price: 25 cents each.

#### Adjustable Web Halters.

Continuous piece solid color No. 1 extra quality web, folded through metal corners. Adjustable buckle. Leather chin piece, with buckle. Rope lead, leather latch, snap. 
Price: 50 cents.

#### Heavy Leather Halters, Riveted.

Price:
- Assortment No. 1 contains 3 dozen whips. Hand Sewed, with Straps, price: $1.25 each.
- Assortment No. 2 contains 5 dozen whips. Hand Sewed, with Straps, price: $1.50 each.

#### Hame Strings.

- Black, 5-8: $1.00 per doz.
- Black, 3-4: 1.25 per doz.
- R. Hide, 5-8: 1.25 per doz.
- R. Hide, 3-4: 1.50 per doz.

---

**Buggy, Coach and Wagon Whips.**
Made of the best material. Bone, Rawhide and Wood Handles. We furnish assortments of whips done up ready for shipment, in two kinds.
Assortment No. 1 contains 3 dozen whips. Assortment No. 2 contains 5 dozen whips.
Three whip racks free with each assortment. This is the biggest bargain the dealer ever had offered. Write for special prices, at which you can readily sell them. We also keep constantly on hand single whips. Prices from 10 cents to $2.50 each, retail.
Send for free particulars regarding assortments.

---

**Folded Duck Back Bands.**
PATENT HOOKS.
Can be used with either chain or rope traces. Our goods are full length; shorter lengths can be sold for less money.
Price: 60c.

---

**Collars.**

**Collar Pads.**

---

**Prices:**
- No. 192—Draft Collars, split leather back and rim, Duck face: $8.50.
- No. 110—Team do., heavy: 1.25.
- No. 120—Kip Team, Thong Sewed: 1.75.
- No. 155—Scotch, Kip Back and Rim Thick Face: 1.75.
- No. 157—Scotch, Kip Back and Rim Sheep Skin Face: 2.00.

**Collar Pads.**
Best quality, all white and brown and white. 
Price: 50 cents.
### Louden Patent Hames
- Per pair: $1.00

### Taylor Root Tie Hames
- Per pair: $0.50

### Sawed Patent Hames
- Per pair: $0.50

### Special Prices to both Wholesale and Retail Dealers

#### No. 550, Little Giant, XXX Steel, Lacquered
- 8 bars, steel shank runs through handle and is riveted.
- Price: $0.15 each
- Packed 1 dozen in box. Cases are made for 24 dozen.

#### No. 540, 8 bars. Steel shank runs through handle and is riveted. Lacquered.
- Price: $0.20 each
- Packed 1 dozen in box. Cases are made for 24 dozen.

#### 8 BARS, HEAVY
- steel shank runs through handle and is riveted.
- No. 420: 25 cents each
- Packed 1 dozen in box. Cases are made for 24 dozen.

#### 8 BARS RIVETED. OPEN BACK
- No. 320, XXX Steel, Lacquered: each, 10 cents

#### 8 BARS: HAND RIVETED, PATENT APPLIED FOR
- No. 480, Columbia: 25 cents each
- Packed 1 dozen in box. Cases are made for 24 dozen.

#### 8 BARS, STEEL SHANK
- No. 360, XXX Steel: handles riveted.
- Lacquered: each, 15 cents

#### LEATHER BACK BRUSHES
- No. 130, Patent Leather Back Brush: each, 50 cents
- No. 135, Red: each, 50 cents
- No. 43: each, 60 cents
- No. 831, Black: each, 50 cents
- No. 600, Russet Lea. Back, White Bristle Brush: each, 2 dollars

#### DANDY BRUSHES
- No. 10, Dandy: each, 25 cents
- No. 20, Dandy: each, 30 cents
- No. 10, Palmetto Dandy: each, 40 cents
- London Dandy, with leather protection side pieces: each, 75 cents
- No. 7000, Dandy, made of selected fine root: each, 60 cents
- All of above are packed six in a box.
- No. 707, Grenelle Brushes, our best brush: each, 75 cents.
WEAVER'S PATENTED RIVETLESS STEEL

STOCK TROUGH

The Acme of Perfection.

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 of steel, and held in place by steel bands instead of rivets. These bands are shrunk around the end edges of steel, binding it firmly to the flange on the end, thereby making a perfectly water-tight joint.

No. 5—13 in. wide at top, 9 in. deep. per foot $1.00.
No. 4—30 in. wide at top, 11 in. deep. per foot .90.
No. 7—11 in. wide at top, 6 in. deep hog trough per foot, 50c.

CORNER MANGERS.

Price.......................... $1.25

HAY RACKS.

Price.......................... $2.00

THE NATIONAL FEED BOX.

A Perfect Device for Slow Feeding in the Stable or on the Road.

THE HORSE CANNOT WASTE HIS FEED.

CURES BAD HABITS.—Boiling, slobbering and scattering. Can feed all kinds of grain, corn in the ear, chopped food, bran-mash, water or medicine. Made of cold rolled steel, finely galvanized. Each box is furnished complete, with a japanned wrought iron holder, plate and screws. Easily cleaned. Especially adapted for use of fire and police departments, stock farms and public and private stables.

No. 1, 6 quarts. 6 inches. 8½ inches. 9 pounds. $2 25
" 2, 6 " 12½ " 10 " 10 " 2 50

It has Great Strength.

LOOSE JOINT DOG IRONS.

No. 1, 12 inches, 22 pounds..................................... $9 65
" 2, 14 " 24 " ........................................... 75
" 3, 15 " 31 " ........................................... 95
" 4, 15 " 38 " ........................................... 85
" 5, 15 " 45 " ........................................... 50
" 6, 15 " 52 " ........................................... 50
" 6, 14 " 16 " ........................................... 50

Economize storage room; save expense in breakage, and are the best in every way. Every joint carefully tested. Front handsomely blacked. Order by No. length and weight.

PORTABLE GRATES FOR EITHER WOOD, HARD OR SOFT COAL.


20 pound........................................ $2 50
24 " ........................................... 3 00

Iron Troughs.

3 ft. long ........................................... 50c. per linear foot.
4 " ........................................... 50c. "
5 " ........................................... 50c. "
6 " ........................................... 50c. "

ALL KINDS OF MACHINERY REPAIRED.
The following articles came to hand too late for classification.

Onondaga Transplanting Machine.
For transplanting all kinds of Plants success-fully, such as Tobacco, Tomato, Sweet Potato, Celery, Strawberry and other Plants.

It can be operated so that it will set the plants 16, 18, 20 or 22 inches apart, or any other distances, with a half inch stream or more on the roots of the plants. The covering rollers pace the roots leaving dry dirt around the stalk or heart of the plant, thus the roots are kept moist a number of days without danger of baking. It takes only two boys and driver to plant from four to five acres a day with it. Cask holds 120 gallons water. In front of the plow which works in the ground there is an Adjustable Cleaner (shown in cut), which cleans away from in front of the plant (being set), the loose stones and lumps of dirt, thus it will work in stony ground as well as any other.

Price........................... $55.00

1st. Prepare your ground in good condition.
2d. Regulate the wheels so that the right pressure is attained on loose or heavy soil, which also regulates the depth the plow should run in the ground.
3d. Adjust the foot rests for the dropper boys’ comfort.
4th. The two dropper boys’ set plants alternately.
5th. Drive horses slow and regular, and in a short time the boys can do good work.
6th. If you have long and short plants, transplant the long ones, then adjust the machine for the short ones.

Below find a few testimonials, culled from the manufacturers circulators:

WAPING, CONN.
I own an Onondaga Tobacco Transplanter and would not take $100 for it if I could not get another.

GEO. MOULTON.

ELROY, OHIO.
The Onondaga Planter cannot be excelled by any in our market, and needs only to be tried to satisfy any grower of tobacco.

GEO. SULLENBARGER.

CYTHIANA, KENTUCKY.
I bought an Onondaga Transplanter last year, and it does the work perfectly satisfactory.

JOHN W. SHANNON.

No. 1 Patent Shifting or Adjustable Pole.
Shifts to fit any Carriage or Sleigh.
This is one of the most complete adjustable poles on the market. It is made of the best selected timber and ironed with Norway iron. No malleable iron used at all.

Price........................... $8.00

Buggy Tops.
Leather Stay and Quarter.............. $15.00
Rubber................................ 12.00
Drill.................................. 8.00

Evans’ No. 5 Vegetable and Root Cutter.
Suitable for a Flock of 50 to 1000 Fowls.
This cutter is adapted especially for poultry men and farmers or for suburban residents keeping a couple of cows. Cuts roots and vegetables into fine chicken feed. Capacity, one bushel in about five minutes.

Price........................... $5.00

Whipple’s Supplementary Adjustable Harrow Tooth Points
Old Harrows made as good as new at small expense.
These points are made of a high grade of steel and will outwear the original points. The ears extend back and the point being made of spring metal, allows the ears to be drawn together, clamping the shank firmly, and if the old teeth are out of line, the Points, being adjustable, can be lined up so that every tooth will rest on the ground.

These Points will fit any of the old Spring Teeth on the market.
Price, Point........................ 15c. each.

Hartman “Stockade”
Woven Wire Fence.
Strong, Durable, Cheap, Ornamental.
Convenient, because easy to handle, quickly put up. Made of heavy galvanized wire. As seen by the cut the wires in the lower portion are much closer than is the case in the upper part, consequently it acts as an effectual break against chickens and small animals and to larger animals it presents such a rigid appearance that they will not attempt to jump it. The “Y” steel posts are used in the erection of this fence. (See cut.)

Price without Steel Posts,
4 feet high......................... 60c. per rod.
5 feet high...................... 75c. per rod.
6 feet high...................... 90c. per rod.

Steel Posts........................ 50c. each.

Price subject to change without notice.
SEED TABLET.

THE QUANTITY OF SEED USUALLY SOWN TO AN ACRE.

<table>
<thead>
<tr>
<th>PLANT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>Beans, dwarf, in drills</td>
<td>1 to 1½ bush</td>
</tr>
<tr>
<td>Beans, pole, in drills</td>
<td>8 to 10 qts</td>
</tr>
<tr>
<td>Beet, in drills</td>
<td>4 to 6 lbs</td>
</tr>
<tr>
<td>Broom Corn, in hills</td>
<td>4 to 6 qts</td>
</tr>
<tr>
<td>Buckwheat, broadcast</td>
<td>¾ bush</td>
</tr>
<tr>
<td>Cabbage, in hills</td>
<td>½ lb</td>
</tr>
<tr>
<td>Carrot, in drills</td>
<td>2 to 3 lbs</td>
</tr>
<tr>
<td>Celery, to transplant</td>
<td>½ lb</td>
</tr>
<tr>
<td>Corn, in hills</td>
<td>2 to 3 qts</td>
</tr>
<tr>
<td>Clover, red, alone</td>
<td>15 lbs</td>
</tr>
<tr>
<td>Clover, white, alone</td>
<td>12 lbs</td>
</tr>
<tr>
<td>Clover, white, with other seeds</td>
<td>4 lbs</td>
</tr>
<tr>
<td>Clover, Lucerne alone</td>
<td>15 lbs</td>
</tr>
<tr>
<td>Clover, scarlet</td>
<td>15 lbs</td>
</tr>
<tr>
<td>Cucumber, in hills</td>
<td>1 oz. to 1½ lbs</td>
</tr>
<tr>
<td>Flax, broadcast</td>
<td>1 to 2 bush</td>
</tr>
<tr>
<td>Grass, blue, alone</td>
<td>28 lbs</td>
</tr>
<tr>
<td>Grass, Huugariau</td>
<td>1 bush.</td>
</tr>
<tr>
<td>Grass, Lawn</td>
<td>3 to 5 bush</td>
</tr>
<tr>
<td>Grass, Orchard</td>
<td>28 lbs.</td>
</tr>
<tr>
<td>Grass, Red Top</td>
<td>2½ lbs.</td>
</tr>
<tr>
<td>Grains, R. L. seed</td>
<td>3 bush.</td>
</tr>
<tr>
<td>Kale</td>
<td>4 to 6 lbs</td>
</tr>
<tr>
<td>Melon, Musk</td>
<td>½ to 2 lbs</td>
</tr>
<tr>
<td>Melon, Watercress</td>
<td>3 to 5 lbs</td>
</tr>
<tr>
<td>Mustard, broadcast</td>
<td>12 to 16 qts</td>
</tr>
<tr>
<td>Mangold, Wurzel</td>
<td>4 to 6 lbs</td>
</tr>
<tr>
<td>Onions, in drills, to make large Onions</td>
<td>0 to 8 lbs</td>
</tr>
<tr>
<td>Peas, Dwarf, in drills</td>
<td>4 to 6 lbs</td>
</tr>
<tr>
<td>Peas, Early, in drills</td>
<td>1 bush</td>
</tr>
<tr>
<td>Peas, Marrowfat, in drills</td>
<td>1½ bush</td>
</tr>
<tr>
<td>Peas, broadcast.</td>
<td>2 to 3 bush</td>
</tr>
<tr>
<td>Potato, cut tubers, in drills</td>
<td>8 bush.</td>
</tr>
<tr>
<td>Radish, in drills</td>
<td>6 to 8 lbs</td>
</tr>
<tr>
<td>Radish, broadcast</td>
<td>10 lbs</td>
</tr>
<tr>
<td>Rye, broadcast</td>
<td>1 bush.</td>
</tr>
<tr>
<td>Salsify, in drills</td>
<td>6 to 8 lbs</td>
</tr>
<tr>
<td>Sorghum, broadcast</td>
<td>10 to 12 lbs</td>
</tr>
<tr>
<td>Spinach, in drills</td>
<td>12 to 15 lbs</td>
</tr>
<tr>
<td>Squash, bush varieties, in hills</td>
<td>4 to 6 lbs</td>
</tr>
<tr>
<td>Squash, (running varieties), in hills</td>
<td>3 to 4 lbs</td>
</tr>
<tr>
<td>Turnip, in drills</td>
<td>1 lb.</td>
</tr>
<tr>
<td>Turnip, broadcast</td>
<td>2 to 3 lbs</td>
</tr>
<tr>
<td>Tomato, to transplant</td>
<td>½ lb</td>
</tr>
<tr>
<td>Vetches, broadcast</td>
<td>2 to 3 bush</td>
</tr>
<tr>
<td>Wheat, broadcast</td>
<td>½ to 2½ bush</td>
</tr>
<tr>
<td>Wheat, in drills</td>
<td>1 bush</td>
</tr>
<tr>
<td>Clover, together</td>
<td>3 lbs to 8 lbs</td>
</tr>
<tr>
<td>Clover, Timothy</td>
<td>1 to 1½ bush</td>
</tr>
<tr>
<td>Clover, Red Top</td>
<td>1 oz. to 1½ lbs</td>
</tr>
<tr>
<td>Cabbage, broadcast</td>
<td>2000 plants</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>2000</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>3000</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>1000</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>500</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>200</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>100</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>50</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>25</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>10</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>5</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>2</td>
</tr>
<tr>
<td>Cabbage, 1 oz. of seed will produce</td>
<td>1</td>
</tr>
</tbody>
</table>

Quantities of Seeds Required for a Given Number of Plants, Number of Hills or Length of Drills.

<table>
<thead>
<tr>
<th>PLANT</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.</td>
</tr>
<tr>
<td>Celery</td>
<td>1 oz. to 100 ft.</td>
</tr>
<tr>
<td>Carrot</td>
<td>1 oz. to 100 ft.</td>
</tr>
<tr>
<td>Eggplant</td>
<td>1 oz. to 300 ft.</td>
</tr>
<tr>
<td>Lettuce</td>
<td>1 oz. to 150 ft.</td>
</tr>
<tr>
<td>Onions</td>
<td>1 oz. to 100 ft.</td>
</tr>
<tr>
<td>Onion Sets, small</td>
<td>1 oz. to 200 ft.</td>
</tr>
<tr>
<td>Parsley</td>
<td>1 oz. to 150 ft.</td>
</tr>
<tr>
<td>Parsnip</td>
<td>3 oz. to 150 ft.</td>
</tr>
<tr>
<td>Radish</td>
<td>2 oz. to 150 ft.</td>
</tr>
<tr>
<td>Salad</td>
<td>1 oz. to 75 ft.</td>
</tr>
<tr>
<td>Spinach</td>
<td>2 oz. to 100 ft. drill.</td>
</tr>
<tr>
<td>Turnip</td>
<td>1 oz. to 150 ft.</td>
</tr>
<tr>
<td>Dwarf Beans</td>
<td>1 qt. to 100 ft.</td>
</tr>
<tr>
<td>Leeks</td>
<td>1 oz. to 100 ft.</td>
</tr>
<tr>
<td>Pole Beans</td>
<td>1 qt. to 150 ft.</td>
</tr>
<tr>
<td>Corn</td>
<td>1 qt. to 200 ft.</td>
</tr>
<tr>
<td>Cucumber</td>
<td>1 oz. to 50 ft.</td>
</tr>
<tr>
<td>Watermelon</td>
<td>1 oz. to 30 ft.</td>
</tr>
<tr>
<td>Musk-melon</td>
<td>1 oz. to 60 ft.</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>1 oz. to 40 ft.</td>
</tr>
<tr>
<td>Early Squash</td>
<td>1 oz. to 50 ft.</td>
</tr>
<tr>
<td>Marrow squash</td>
<td>1 oz. to 16 ft.</td>
</tr>
</tbody>
</table>

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 till August.

BEETS.—Soon as ground can be worked in Spring.

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 crop sow in June, and they will head up in cool weather, and escape injury from the heat.

CARROT.—For early sow from 1st of April to middle of May, and for late crop in June or July.

CELERY.—Sow as soon as ground is open in spring, and transplant in July.

CUCUMBER.—Sow about 1st of May for early, and for pickling in July.

LETTUCE.—Sow soon as ground can be worked in Spring, and at intervals as desired.

MELONS.—Sow in May and June.

ONION.—Sow early as possible in 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.—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 July and August.

TO COUNTRY MERCHANTS.

We put up Vegetable Seeds in papers for the Country Trade, in quantities to suit purchasers. Our Seeds are select and tested, and give satisfaction wherever used.

We also place Seeds with reliable merchants on consignment, allowing commission on all papers sold.

Beans, Peas, Corn, etc., in bulk, at lowest wholesale rates; write for special quotations in quantities.

Should you have placed your order for small papers for this year, we will be pleased to fill any shortage you may have, and solicit your patronage for another season.

PREMIUMS

To every purchaser of Seeds in Packets. The purchaser may select Twenty-Five Cents worth extra for each One Dollar sent us. Thus, any one sending us $1.00 can select Seeds in Packets amounting to $1.25; for $3.00, Seeds in Packets to the value of $3.50, and so on.

GRiffith & Turner Co.
PRINCIPAL OFFICE & WAREHOUSE
205, 207 & 209 N. PACA STREET.

SEEDS
IMPLEMENTS
GRIFFITH, TURNER & CO.

BRANCH HOUSE
118 & 120 LIGHT ST.

GRIFFITH, TURNER & CO.