

❖❖1892❖❖

ANNUAL CATALOGUE.



BALTIMORE FARM IMPLEMENT CO.

J. S. RAWLINGS, PRESIDENT.

Manufacturers' ❖ Agents,

WHOLESALE AND RETAIL DEALERS IN THE MOST APPROVED
FARM MACHINERY AND SUPPLIES.

—❖❖❖—
LATEST PATENTS,
LOWEST PRICES,
LARGEST ASSORTMENT.

—❖❖❖—
❖❖Fresh Selected Field and Garden Seeds❖❖

Examine our Stock before purchasing or Write
for Special Catalogues.

—❖❖❖—
No. 209 S. CHARLES STREET,

BETWEEN PRATT AND CAMDEN STREETS,

Telephone 1648.

BALTIMORE, MD.

Baltimore, February 1st, 1892.

TO OUR PATRONS:—

In presenting you with a copy of our
ANNUAL CATALOGUE,

We beg leave to say, that we are able to enumerate specifically only a small portion of the goods kept constantly in stock, our aim being to keep a line of farm supplies surpassed by no house in the South, and by personal attention to the wants of the trade to merit a liberal share of public patronage.

Our arrangements are now complete for the coming seasons' trade, and on a scale never before attempted by us.

In addition to the full line of goods offered at this place, we have opened a large

STORAGE AND TRANSFER HOUSE,
at No. 404 S. Eutaw St., below Conway and opposite Camden Station, Mr. J. A. ARNOLD, well-known to the Implement trade generally, in charge, where farmers and others in want of Traction, Portable and Stationery Engines, Threshers, Wind and Saw Mills, Horse Powers, Binders, Gum, Canvass and Leather Belting, and all Thresher supplies: Heavy Farm Machines generally; Repairs for Osborn Binders and Mowers, Empire Drills, Stevens and Frick Engines and Threshers, Stover Feed Mills, etc., can find a constant supply at lowest market prices.

We continue our popular policy of guaranteeing the successful operation of all goods purchased from us; this protection to the farmer against unworthy goods has won us many friends.

With thanks for past favors, we solicit a continuance of your patronage under the motto of "Fair Dealings, Honest Goods, Low Prices, Prompt Attention."

Wishing you a happy and prosperous year.

Very truly yours,

Baltimore Farm Implement Co.

209 South Charles Street,

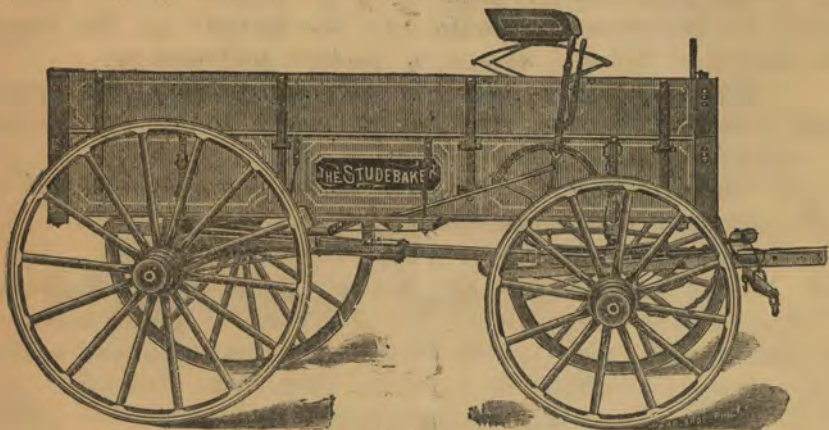
Telephone 1648.

BALTIMORE, MD.

VEHICLES.

THE
STUDEBAKER.

KING OF ALL WAGONS.



No other implement about the farm is so indispensable as a good wagon, while a cheap one is dear at any price. A lack of discrimination in buying a wagon, upon which so much depends—the dispatch of farm business, if not life itself—is poor policy. We cordially invite the most exacting scrutiny by those desiring a wagon and to whom the “STUDEBAKER” is unknown, without qualification guaranteeing it without an equal on the market in all the essentials of a good wagon—strength, durability and ease of running, combined with a workman-like and tasteful finish.

The timber from which it is made is seasoned under sheds for from three to five years.

The gears are soaked in boiling oil, expelling all moisture, and imparting great toughness to the wood.

The wheels of the Studebaker wagons are fitted with patent round edge tire and are perfection itself. Made of the best Indiana white oak timber, thoroughly seasoned; the slope shoulder spokes, first being prepared with glue, are driven into the hubs by a powerful steam spoke driver, making a union of the parts like a weld of iron.

The hubs are made of strictly sound black birch, found in portions of New York and Pennsylvania.

The process by which the tires of the Studebaker wagons are welded prevents them from breaking or coming loose, and vexations of this nature are unheard of among users of the Studebaker wagons.

VEHICLES.—Continued.

A WORD ABOUT AXLES.

We always supply, except on special orders, the Wooden Axle fitted with thimble skeins, for reason that this style has fast superceded the iron axle, having established the fact it is preferable in all practical points, including lightness of draft, strength, and wearing qualities. Our factory supplies Iron Axle wagons on order, and at a lower figure than the thimble skein, but it is our unwavering policy to handle only the best, assured that the satisfaction the goods give well repays in the end. We call the attention of our customers to the accompanying cuts, showing the Studebaker Patent Steel and Cast Skeins, and explaining the difference in construction and its effect on the excellence of the

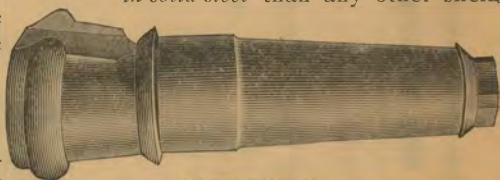


STEEL SKEIN.

made, thereby transferring the strain from the *weakest* to the strongest point of the axle.

The Skeins fitted on our Wagons are of Studebaker's own manufacture, a sufficient guarantee of their merit, only the highest refined wrought plate steel being used.

wagon. We earnestly advise, especially in purchasing the heavier wagons, the selection of Steel Skein. Notice it has a *solid* extension back of the collar, keeping wet and grease from working in on the axle, and thus preventing decay, which extension *covers all the tapering portion, and envelops more of the axle in solid steel* than any other skein



CAST SKEIN.

The difference in cost compared with the cast skein is small.

There are some, however, with whom price is a considerable item in purchasing and for this trade we keep in stock also the cast skein, braced with Studebaker's Patent Truss Bar, running the length of the axle, and adding at least one-half to its strength.

On the opposite page we furnish table showing sizes, capacity, etc., all of which we keep in stock, and assuring us of our ability to satisfactorily fill the needs of any customers.

We give a written guarantee for one year, warranting to replace free any part breaking from defective construction of any kind.

Prices of the Studebaker Wagons.

SIZE OF SKEIN.	CAPACITY.	STYLE.	Width of Tire.	With Steel Skein.	With Cast Skein.	
2 $\frac{3}{8}$ x 7 in.	12 to 14,00 lbs.	Complete with body, side brake and shafts.	1 $\frac{1}{4}$ x $\frac{3}{8}$		\$ 47.50	One horse size.
2 $\frac{1}{2}$ x 8 in.	18 to 20,00 lbs.	“ “ “ “ “ “ “ or pole.	1 $\frac{1}{4}$ x $\frac{1}{2}$		57.50	One or two horse.
2 $\frac{3}{4}$ x 8 in.	2,500 lbs.	“ “ “ “ “ “ “ stiff pole.	1 $\frac{5}{8}$ x $\frac{5}{8}$	\$65.00	63.50	Medium two horse.
2 $\frac{3}{4}$ x 8 in.	2,500 lbs.	“ “ “ “ “ “ “	3 x $\frac{5}{8}$	70.00	68.50	“ “ “
2 $\frac{3}{4}$ x 8 in.	2,500 lbs.	“ “ “ “ “ “ “	4 x $\frac{5}{8}$	75.00	73.50	“ “ “
3 x 9 in.	3,000 lbs.	“ “ “ “ “ “ “	1 $\frac{5}{8}$ x $\frac{5}{8}$	70.00	68.00	General two horse.
3 x 9 in.	3,000 lbs.	“ “ “ “ “ “ “	2 x $\frac{5}{8}$	73.50	71.50	“ “ “
3 x 9 in.	3,000 lbs.	“ “ “ “ “ “ “	3 x $\frac{5}{8}$	79.00	77.00	“ “ “
3 x 9 in.	3,000 lbs.	“ “ “ “ “ “ “	4 x $\frac{5}{8}$	83.50	81.50	“ “ “
3 $\frac{1}{4}$ x 10 in.	4,000 lbs.	“ “ “ “ “ “ “	1 $\frac{5}{8}$ x $\frac{5}{8}$	73.50	71.50	Hv'y 2 or light 3 h.
3 $\frac{1}{4}$ x 10 in.	4,000 lbs.	“ “ “ “ “ “ “	2 x $\frac{5}{8}$	79.00	77.00	“ “ “ “
3 $\frac{1}{4}$ x 10 in.	4,000 lbs.	“ “ “ “ “ “ “	3 x $\frac{5}{8}$	82.50	80.50	“ “ “ “
3 $\frac{1}{4}$ x 10 in.	4,000 lbs.	“ “ “ “ “ “ “	4 x $\frac{5}{8}$	86.00	84.00	“ “ “ “
3 $\frac{1}{2}$ x 11 in.	5,000 lbs.	Running-gear only, side brake and stiff pole.	2 x $\frac{3}{4}$	70.00	67.50	Four horse.
3 $\frac{1}{2}$ x 11 in.	5,000 lbs.	“ “ “ “ “ “ “	4 x $\frac{3}{4}$	80.00	77.50	“ “
3 $\frac{3}{4}$ x 12 in.	6,500 to 7,000 lb	“ “ “ “ “ “ “	4 x $\frac{7}{8}$	92.50	89.50	Six
4 x 12 in.	80 to 100,00 lbs.	“ “ “ “ “ “ “	4 x 1	105.00	101.00	“ “

Wagons as quoted include double and singletrees, stay and tongue chains, wrench, and spring seat where body is included.

The 2 $\frac{1}{2}$ Wagon is a *one or two horse* size, and can be furnished with both spring-pole and shafts, interchangeable; add \$3.00.

Where no brake is wanted deduct from price of 2 $\frac{3}{8}$ Wagon \$4.00. From other sizes \$5.00.

Where no body is wanted deduct from price of 2 $\frac{3}{8}$ Wagon \$5.00. From other sizes \$7.50, up to 3 $\frac{1}{2}$ skein.

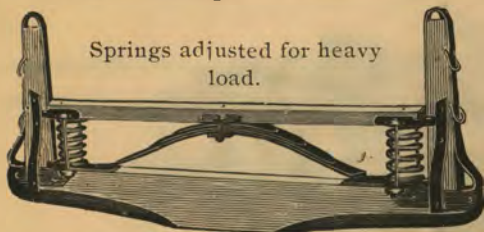
Where hind-lock, (rear brake) is wanted add to all sizes, \$5.00.

VEHICLES.—Continued.

BALTIMORE FARM IMPLEMENT CO.

VEHICLES.—Continued.**WAGON SPRINGS.**

Are very desirable, saving racking the wagon and preserving the load from severe shaking.



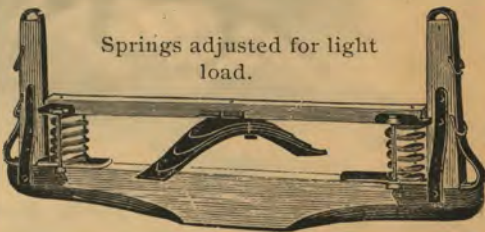
Springs adjusted for heavy
load.

Capacity 1,500 lbs, per pair.....	\$ 7.00
“ 2,000 “ “	8.00
“ 2,500 “ “	8.50
“ 3,000 “ “	9.00
“ 4,000 “ “	10.00
“ 5,000 “ “	11.00
“ 6,000 “ “	12.00

The Howard Springs as shown above are very convenient. They require no alteration to attach to

bolsters and can be readily adjusted for bearing a heavy or light load, the right hand cut showing springs as adapted for heavy weight, the left as changed for light loads, increasing the spring motion.

In ordering, give width of wagon bolsters.



Springs adjusted for light
load.

Dump Carts.

A full line of dump carts, strong and well built throughout.

Price, Light....\$28.00 Medium....\$36.00 Heavy....\$45.00

Farm Truck Carts and Water Barrels.

Very convenient for yard and garden use. Either combined cart and barrel, or cart and barrel alone.

Price, Push Cart and Barrel combined.....\$14.00
 “ “ “ only 10.00
 “ Water Barrel Cart only..... 10.00

The South Bend Toy Wagons.

Are something especially for the children, manufactured at South Bend, Indiana, and finished on the same principle as the famous Farm Wagons, built there.

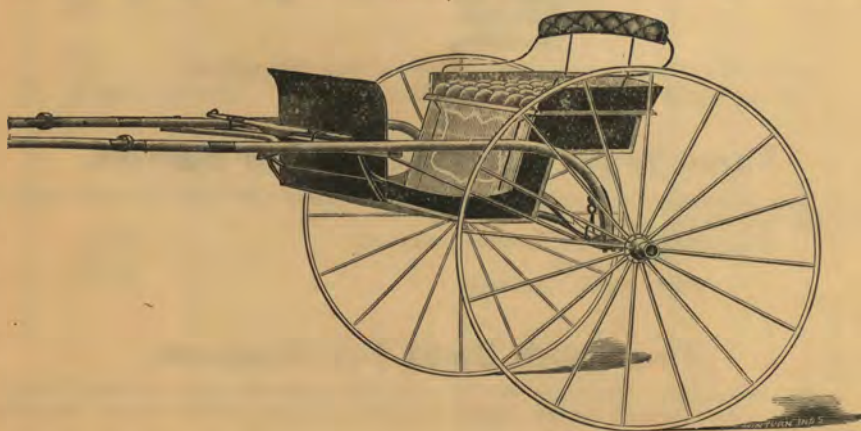
Are very strong and durable.

Price, with both tongue and shafts for goat.....\$11.00
 “ “ tongue only..... 10.00

VEHICLES.—Continued.**Road Carts.****THE "STUDEBAKER" CART.**

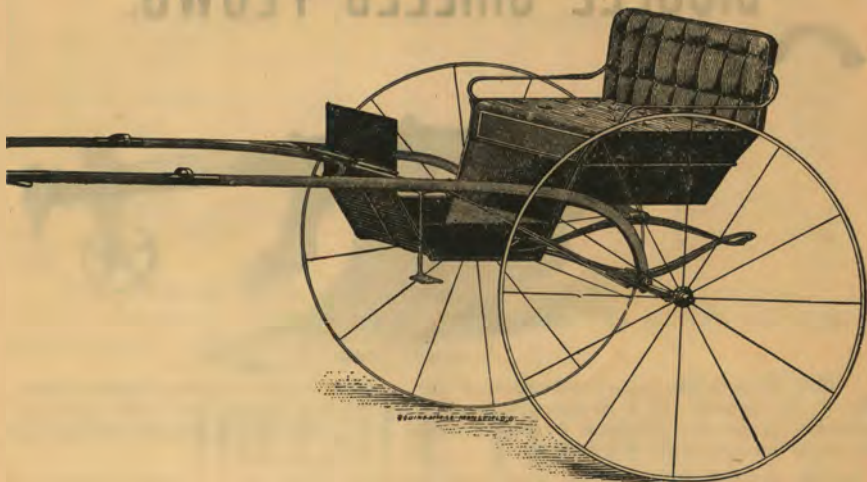
Are rapidly superceding the saddle, from their convenience, comfort and low price. The Studebaker Cart has for three years given our trade great satisfaction: it has coiled rear springs, which in combination with the front springs give great ease of riding: by a simple arrangement the springs may be in a moment adjusted for one or two persons. Tight bottom, veneer dash, preserving driver from mud: very durable: three colors,—oil, olive or red.

Price, \$19.00: with cushion \$20.00: with back and cushion \$21.50.

THE "KOLLENS" BODY CART.

Is serviceable, convenient: fitted with back, cushion and dash, box under seat. Very popular for a moderate priced two-wheeler.

Price.....\$21.50.

VEHICLES.—Continued.**PHAETON BODY CART.**

Hung on Boughton Springs. This we consider the finest riding and most complete cart on the market, being suitable for one or two passengers, having a regular size buggy seat, corduroy or leather cushion, lazy back and leather dash. Has box under seat. The motion of this cart is simply delightful: it is a real buggy on two-wheels. The springs produce the very acme of fine motion.

Best grade only, price, including oil-cloth lap robe.....\$38.00.

THE CLIPPER CART.

Is in a measure more convenient than the above, having a double-bent shaft making entrance easy and step low to ground. Same manufacture, especially recommended for doctors' and ladies' use.

Price.....\$40.00.

Can furnish a neat top for either of the above, price, \$13.50.

The MANSFIELD BUGGY COMPANY'S fine line of

BUGGIES.

We are glad to furnish special catalogue on application.

THE BISSELL CHILLED PLOWS.

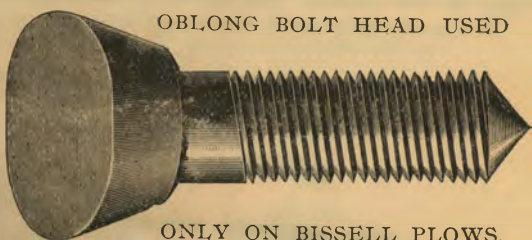


This Plow is the *latest* production of the *original inventor* of the Chilled Plow, Mr. T. M. Bissell. In it he has combimed all the *best* points that a life-time experience in the manufacture of Plows could give. All others are but follows of the excellencies of the "BISSELL."

In offering this Plow for the third year, we do so with every confidence, born of the splendid record made by the hundreds we have sold, in our claim—that it is the *best general purpose Plow in the World*. We have on file many unsolicited letters in praise of its excellent work. We claim that for ease of handling, lightness of draft, quality of work done, the Bissell is unequalled by any competitor.

Its particular features of merit, peculiar to itself are :—

1st. The Patent Oblong Bolt Head, which so far as its relations to the bolt turning is concerned, is equal to a square headed bolt. This important feature, found *only* in the "Bissell," will be appreciated by all farmers, who have had the aggravating difficulty of bolts turning when repairing their Plows.



OBLONG BOLT HEAD USED

ONLY ON BISSELL PLOWS.

The Bolts used in the mould and land are *all* the same size, hence the farmer makes no mistakes in duplicating them, and *the dealer carries but one size bolt in stock*.

2d. The landside is rounded at the heel, adding greatly to ease of handling, in turning and clearing the plow. Having a *suction*, same as the share, makes it the steadiest runner on the market. We have often seen a "Bissell" run a long furrow and never leave the ground, with no one touching the handles.

3d. The handles are long and set low, giving ease in handling. Both being straight, are easily duplicated in case of breakage. Landside handle is bracked off from landside, lessening wear and opportunity of handle clogging.

Our offer to those who are unfamiliar with this plow is.—Take a "BISSELL," put it in the field with your favorite, and if our claims are not found true in every particular, return it to us and purchase money will be refunded.

All sizes, including Vineyard and Hillside Plows, constantly in stock, right and left-hand.

The heavy reduction in price instituted last year we continue. On following page, list gives present prices as compared with former.

PLOWS.—Continued.

Right hand		Left hand.	Turns a furrow.	Former Price.	Present Price.
B	three horse	A	16 to 18 inches	\$11.00	\$9.50
D	two or three "	C	14 to 16 "	11.00	9.50
H	heavy two "	E	12 to 14 "	10.50	9.00
N	medium two "	31	11 to 13 "	10.50	9.00
P	light two "	O	10 to 12 "	10.00	8.50
20	one or two "		9½ to 11 "	9.00	8.00
7	" " "		9 to 10 "	8.00	7.00
8	one horse		8 to 9 "	5.50	5.50
10	" "		7 to 8 "	5.00	5.00
10½	" "		6 to 7½ "	4.50	4.50

Prices include extra plain or slip share and wrench.

Above prices are for plain plows; if wheel is wanted, add \$1.00; jointer \$2.00; rolling coulter \$3.50.

HILLSIDE PLOWS.

This Plow is especially adapted for use on steep hillsides, but will do good work on level ground without making dead furrows and ridges. Many improvements have been added to make it easier in handling and more durable, particularly in the lock at back of mouldboard, by which we do away with the washer, spring and cam, reducing the liability to get out of order.

The Shares are made broad and strong, turn a clean cut mould, at the same time leaving the bottom of the furrow broad and clean.

We are glad to send it out on approval at anytime.

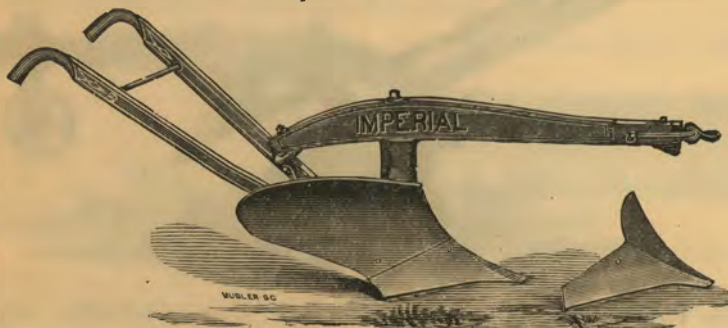
No.		Old Price.	Present Price.
40A.	Turns a Furrow 8 to 10 inches,	\$ 8.00	\$ 7.00
50A.	" " 10 to 12 "	10.00	9.00
60	" " 12 to 15 "	12.50	11.00

For jointer add \$2.25; wheel \$1.00.

PLOWS.—Continued.**Vineyard and Orchard Plows.**

The special feature of these Plows is the great range of adjustment, right or left, of the handles and beam, which still are held firmly by a peculiar yet simple device. The horses walk on the land; whiffletree and handles do not strike, hence will not injure the trees or vines.

	Old price.	Present price.
No. 4 Vineyard turns a furrow 9 to 11 inches,.....	\$8.00	\$7.50
" 6 " " " 8 to 9 "	6.50	6.00

Ohio and Imperial Chilled Plows.

Were introduced by our predecessors ten years since, and sold continuously from our house. These Plows have won for themselves an excellent name, particularly for work in heavy soil.

No. 8 Vineyard is a very Popular Plow on the Eastern Shore.

A full supply of Plows and Extras always in stock, prices of which have been reduced as follows:—

Ohio,	turns a furrow 9x14 inches.....	Price, \$11.00
Senior	" " 9x14 "	10.00
Junior,	" " 8x13 "	9.50
No. 25,	" " 9x14 "	9.50
No. 19,	" " 8x13 "	9.00
No. 10,	" " 8x11 "	9.00
No. 9,	" " 9x10 "	8.00
No. 8,	" " 7x 9 "	6.00
No. 8 Vineyard	" " 7x 9 "	8.00

Right or left-hand. Add, for wheel \$1.00; jointer \$2.00.

PLOWS.—Continued**IMPERIAL ROAD PLOWS.**

Are made heavy and strong, calculated for breaking, railroad and street Grading. The attention of Commissioners, Trustees and Contractors are directed to these Plows.

No. 14, left-hand only, all cast, including extra share and wrench.....	\$16.00
No. 15, " " cast mould and land, steel share, lock coulter and wrench.....	22.00

In some soils the Chilled Hand-plow will not operate entirely satisfactorily: again there are plowmen who recognize that a practical wheel plow will perform considerably more work than the chilled, and well repays the first outlay of cost, in the durability of the steel parts. For this demand we present

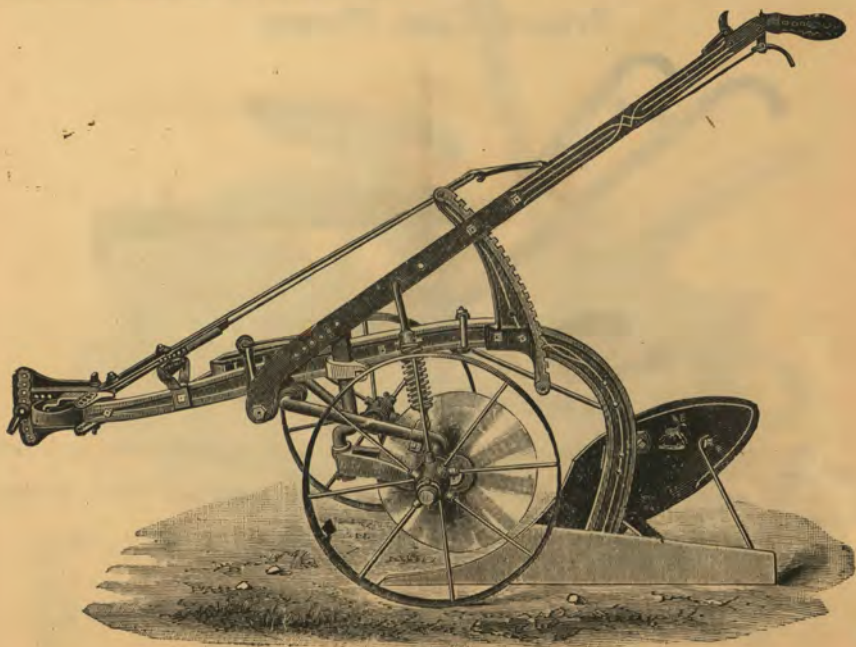
The New Deal Wheeled, Walking or Riding PLOW.

Since their first introduction the series of plows called by the above name has grown steadily in favor, until the demand for them is now greater than for any and all other styles of wheeled plows.

The plows of the **New Deal** series seem to meet every possible requirement.

From the smallest to the largest size, they have the ease of management possessed by the commonest hand-plow. They are lighter on a team than a hand-plow cutting the same furrow, and are in every respect the best and most economical plows a farmer can buy.

Never in the history of the plow trade has any other style of plow become so popular in so short a time, and no style of plow to-day has so many enthusiastic friends and admirers as the New Deal.



WEELED PLOWS.—Continued.

This series of plows is made in all sizes, from a single furrow plow cutting 12 inches, up to an eight furrow plow cutting 80 inches, or nearly seven feet. For our Maryland trade, the size as represented in cut preceeding seems to meet all requirements.

The seat attachment makes it a perfect riding plow and adds to the ease and comfort of the operator, especially on the larger sizes.

The New Deal Plow is novel and simple. The axles act independently of each other, and the wheels instantly adjust themselves to the work. One lever regulates the depths, and the plow always runs level. The winging of the share can be altered at will. The lever is connected with the land wheel by a spring, insuring steady draft and uniform depth.

The New Deal is of lighter draft than a hand plow, is more easily handled, and has twice the capacity. These plows are easily lifted from the ground by the lever, and in plowing around a land they require no handling at the corners. They are equipped with a lever, by which the landing of the plow can be changed at will while the team is in motion. The entire wearing parts are steel, of the quality which has made the house of Deere & Co., its manufacturers, the leading Steel Plow Builders in the World. Frame entirely wrought iron. Best possible grade of material and workmanlike finish.

Price, including extra cast share, wrench and rolling coulter.

G. P. 13, numbered 41, cuts 13 inches, weight 303 lbs..... \$32.00

G. P. 15, " 42, " 14 " 310 " 32.00

Add for patent tripple-trees, when purchased with Plows.... 2.50

Prices for two, three and four furrow Plows furnished on application.

The Original Fredericksburg Make of Farmers Friend Cast Plows.



THE FAMOUS No. 5.

Throughout many years their popularity as a marking, and in the light soil counties as a general purpose, Plow has never wavered.

A full supply of extras, also for Minor & Horton, Acme and Norris Chilled Plows always in stock. Price

No. 5, including extra share, mouldboard and wrench.....\$3.25

" ½, " " " " " " " 3.00

" 7, " " " " " " " 4.50

" 8, " " " " " " " 7.00

" 5½, Hunter Chilled, extra share and wrench. 6.50

" 7½ " " " " " " " 7.50

PLOWS AND CASTINGS.—Continued.

A complete line of extras or repairs for Oliver, Roland, South Bend, Syracuse, Bissell, Imperial and Ohio Chilled, Acme, Farmer's Friend, Minor & Horton and Norris Chilled Plows constantly in stock.

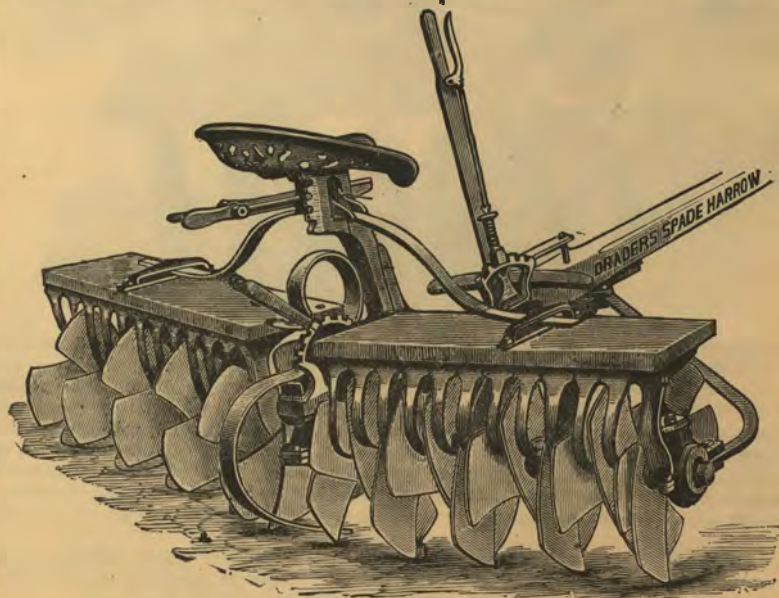
Oliver and South Bend repairs as follows :—

Always state when ordering Repairs whether Right or Left Hand.					Stand- ards.	Mold- boards.	Land- sides.	Shares.	Jointers	
									Points.	Mold- boards.
A.	Right Hand.....				\$1 25	\$1 25	40	25	20	50
B.	" ".....				1 50	1 75	60	25		
10.	" ".....				2 00	2 00	60	35		
13.	R. and L. ".....				2 25	2 25	65	35		
19.	" ".....				2 25	2 50	75	40		
20.	" ".....				2 25	2 75	75	40		
40.	" ".....				2 50	3 00	75	40		

Repairs for South Bend Chilled Plows.

10	L. Hand only.....	\$3 00	\$3 50	\$1 00	40
10A	R. ".....	3 00	3 50	1 00	40
15	R. and L. Hand.....	3 00	3 50	1 00	40

Quality and fit the very best.

The "Drader" Spade Harrow.

After plowing comes the work of best getting the soil in order for seeding. The "Drader" Harrow, as shown in above cut, comes to the front as the most improved

SPADE HARROWS.—Continued.

tool for the work yet produced. It might be styled the "Improved Cut-a-way."

It is a perfect Rotary Plow, and on any except very hard ground, or tough, unbroken sod, it will prepare a perfect seed bed without aid of any other implement. It is the most perfect implement ever made for working in vineyard and orchards, as it will cut up every particle of the surface between the rows, killing all vegetation and mashing all clods. Note the centre spring tooth, for cutting down the middle row. The Harrow has weight box, not shown in cut.

This Harrow is not new, as it has been on the Canadian market three years. It is far beyond the experimental stage, and during the past year it has gone into nearly every State and Territory in this country. Its best recommendation is its own good work.

We cheerfully agree to put it out on approval.

Price, No. 2, width 48 spades, 16 inch blades, cuts $5\frac{1}{2}$ feet.....\$30.00

" " 7, " 48 " 20 " " " $5\frac{1}{2}$, " 35.00

Deere Disc Harrow.

This is our third season with the *Deere Disc Harrow*, and it has quickly established a demand for itself. The excellent work of the Disc Harrow is well-known, and the DEERE, with its device of oiling by means of a tube running up to weight box, preventing grit getting in axle-boxes and cutting them out: its scrapers kept well to their work by means of springs, and immediately and conveniently thrown off or on by foot of driver, by means of toe-lever: its centre breaker, when desired, for cutting down the ridge between the gangs left untouched by other harrows: combined with the splendid general construction, peculiar to all Deere goods, make the Deere Disc Harrow the leading tool of its kind.

The MANSUR is of same make: is entirely built of steel, including frame. We can furnish this Harrow "REVERSIBLE": that is, the disc may be set so as to throw the soil either *in* or *out*, especially convenient for truckers.

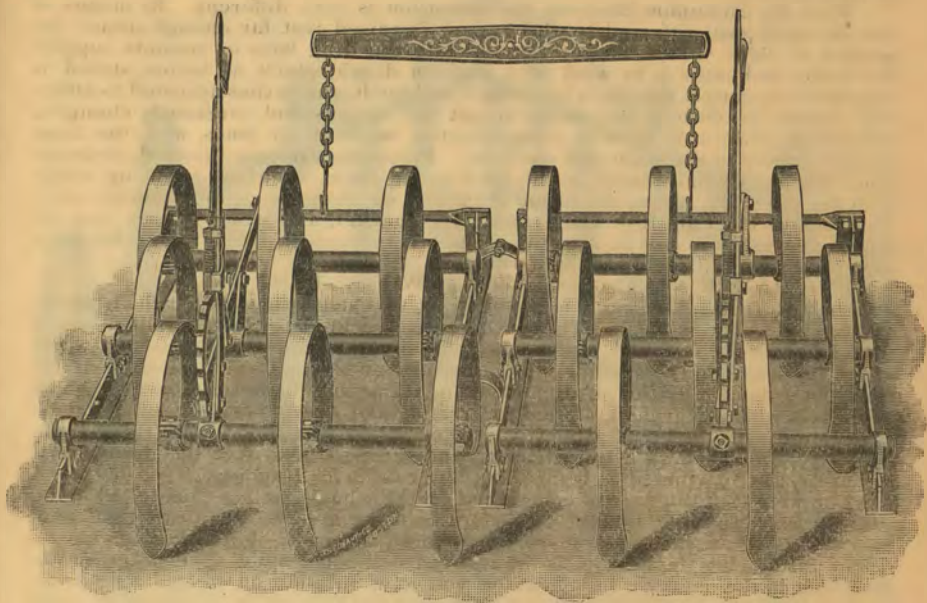
Price, of Deere Disc Harrow, with 12, 16 inch discs and weight box.....\$30.00

" Mansure " " 12, 16 " " " no weight box.....26.00

Includes double-trees.

HARROWS.—Continued.

Champion Lever Spring-Tooth Harrow.



The Spring-Tooth Harrow has come into almost as general use as the plow : its effective results are thoroughly appreciated by the farmer, having advantage over the Disc in point of cost, and being better adapted for use on stony ground. It has had the drawback of being a "horse killer" in draft : difficulty and lost time in adjusting each tooth separately for different conditions of soil, and even after such, the impossibility to work at regular depth in the same field, on mellow and hard soil.

We present the CHAMPION HARROW, as shown in above cut, as the long looked for improvement of the old style float harrow : it overcomes these objections, and has established its ability to do its work entirely satisfactorily, having been tested the past season most thoroughly, under our supervision.

The frame, as may be seen by the cut, is made in two sections, hinged together so as to allow the harrow to easily adjust itself to any depressions or uneven places in the soil—at the same time admitting of raising either side for passing over obstructions and freeing it of excessive accumulations.

CONSTRUCTION.—Each section is made of two pieces : tee steel, bent upwards, at the forward ends, which form runners for the supports of the harrow proper. To these runners upright posts are secured having bearings near upper ends. In these bearings tubular bars are secured, on which the teeth are fastened by a patent device peculiar alone to this harrow. These bars, three in number, are coupled together and operated by a lever, which adjusts all the teeth at one operation. This feature alone places it at the head of all Spring Tooth Harrows. With the old style harrow every tooth must be adjusted separately, an operation very difficult, besides consuming valuable time, and from the fact of the adjustment being a slow one, it is very seldom done, to the detriment of the work. Land, as the farmer well knows, has, what is generally called, hard spots, while the other portion is comparatively mellow. It is impossible to adjust the

SPRING TOOTH HARROWS.—Continued.

teeth in the old style harrow, so as to be effective in the hard spots and do satisfactory work where the soil is loose, as under the latter conditions the harrow buries itself, dragging the ground, manure and any other substance which may happen to be in its way. Under such circumstances the work is not properly done, while the draft is very much increased, to say nothing of the extra amount of hard labor.

With the Champion Harrows the operation is very different. By means of the elevated posts referred to, the harrow is raised just far enough above the ground to clear stones, manure, etc.—while the drag bars or runners support the frame and cause it to work at a uniform depth, which, as before stated, is regulated by simply moving a lever back and forth, and is thus adjusted to different depths as often as necessary to suit the various and constantly changing conditions of the soil, thereby doing effective work at all times, with the least possible worry to the team and operator. By having the bars elevated, clods are more thoroughly pulverized, as the bars strike them, breaking them up, while with the old style, where the frame drags flat on the ground, they tumble over. This harrow will clog less than any on the market, and when it does clog all that is necessary to free it, is to throw the levers forward, which raises the teeth out of the ground, freeing them of rubbish.

The CHAMPION is also furnished as a WHEEL HARROW.

DESCRIPTION.—The frame is mounted on two steel wheels 24 inch diameter and having a four inch rib. These wheels are secured to notched slides which work in brackets, fastened, one on each side of the frame. By means of a worm wheel the frame of the harrow may be moved and set to any desired distance from the ground. By this arrangement the frame may be lowered so as to come in contact with the ground, *thereby pulverizing and leveling the soil*, or it may be raised, and with the teeth properly adjusted, *never will clog*. With this harrow manure can be used as a top dressing, and after passing over the ground it is left as evenly distributed as before, as there can be no dragging.

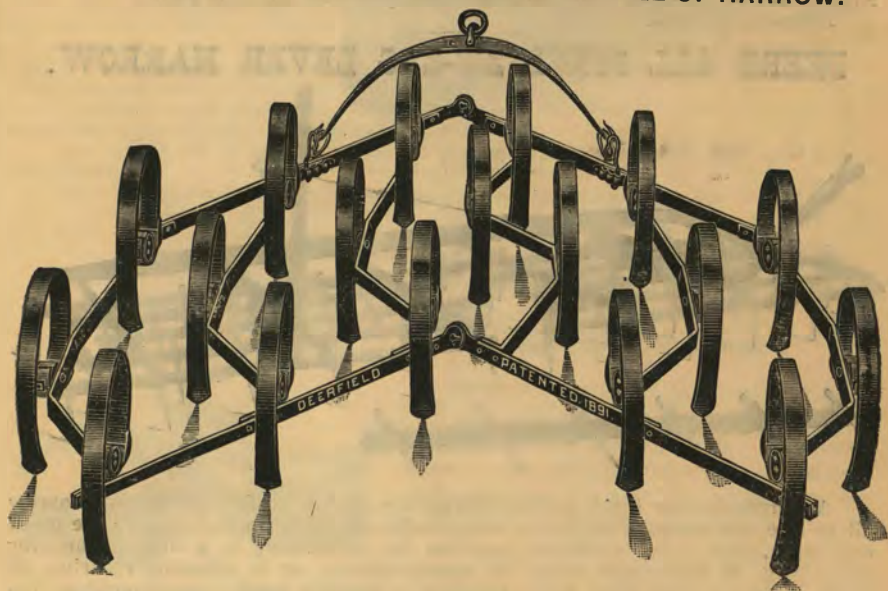
The weight of the harrow is centered on the wheels, and is thus rolled along with the least possible amount of friction, making it of lighter draft than float harrows, as all the horse-power necessary to do the work, in addition to that required for moving the harrow, is the resistance of the ground against the teeth. Note that in the old style float harrow, you have in addition to this resistance, the weight of the harrow dragging and tearing on the points of the teeth, with nothing to govern the depth. Seed can be covered as nicely as with a drill, and with the same regularity of depth.

The rear bar of the harrow extends through the sides of the frame, and on the projecting ends one or more teeth are fastened, bringing the line of cultivation as far out as the wheel mark. We invite peach growers to take special note of this fact as it allows of cultivation close up to the trees without danger of injuring them with wheel and whiffletrees. We also call attention to the fact that with this harrow either side can be raised and lowered independently of the other, hence the side nearest the trees can be raised, affording protection to the roots, while the side farthest away is doing regular work, where no danger from this cause exists.

Before buying a harrow, consider these points, which will plainly show you that the Champion is just what you want; positively the lightest draft; teeth quickly set without stopping team. Remember there are no nuts and bolts to loosen, as in the other harrows. Will clog less than any other harrow and is quickly and easily cleaned when it does clog. The depth of cultivation is uniform in all conditions of soil. When moving from one place to another all that is necessary is to throw the levers forward and drive off, no loading and unloading. The four parallel drag bars, or runners, prevent sliding and the consequent following of the teeth, a fault very common to all other harrows. The teeth by means of our patent fastenings, can be worn up to within eight inches of the harrow, making it the most economic in this respect.

We thoroughly guarantee this tool, and invite order subject to satisfactory work.

Champion Lever Float harrow, 14 or 16 tooth.....	\$16.00	Wheel harrow.....	\$22.00
“ “ “ “ 18 tooth.....	18.00	“ “	23.00
“ “ “ “ 20 “	20.00	“ “	25.00

HARROWS.—Continued.**DEERFIELD SPRING TOOTH HARROW.**
THE LATEST IMPROVEMENT ON THIS STYLE OF HARROW.

Entire harrow, including eveners, made of steel. Nothing whatever to decay. Teeth can be worn off the entire length. The illustrated cut of the single tooth fully explains the manner in which the tooth can be entirely worn out, simply changing the bolt from one hole to the next in the hub, which changes the pitch of the tooth forward or backward, until the entire circle of the hub is used. The cut also shows the different positions of the tooth as it wears away and is turned around on the hub.



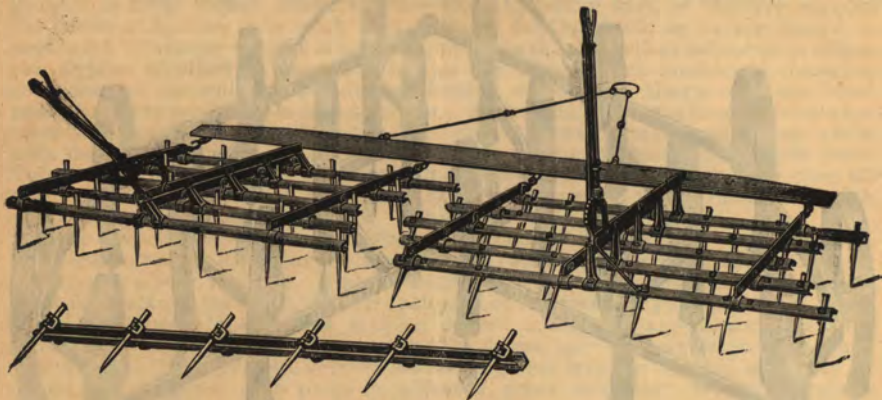
each one forms a brace to the other. Having no cross-bars in the centre, it is impossible to clog the frame. With our new lock hinge, the Deerfield can be uncoupled in a moment; and with the circular steel evener and our changeable clevis, prevents the Harrow from trailing. Works perfectly on either mellow, stony or sticky soil.

The Deerfield is the only adjustable Harrow that makes a positive change and places the points of the teeth *all on a line*, which is difficult to do with other Spring Tooth Harrows in the field. The Deerfield teeth have ten times the wearing capacity of any other tool of its kind and is the only plain float Harrow that can be converted into a high or low frame Harrow—the only one on which the seat of the teeth project below the frame, thus preventing the frame from clogging and from catching on to obstructions. Each tooth is protected from wear by a shoe, which has a sharp center for breaking clods and pulverizing the surface. The New Model Deerfield can be set to run from one to eight inches deep, and is guaranteed not to clog. Each bar of the frame is made bracing-shape, and

HARROWS.—Continued.

Deerfield Harrows, Price, 16 Tooth	\$16.00
“ “ “ 18 “	18.00
“ “ “ 20 “	20.00
“ “ “ 22 “	22.00

Prices for PERRY wood frame: EUREKA wood and steel frame, and STEEL KING all steel frame, Spring Tooth Harrows, same as above.
Discount for cash.

DEERE ALL STEEL ZIG-ZAG LEVER HARROW.

A perpendicular tooth pulverizing harrow and a perfect smoothing harrow all in one, the range of the lever being sufficient to immediately give the teeth any angle, from a perpendicular position for pulverizing to a slanting one for smoothing, or horizontal either for transportation, or in allowing clearing off trash, if same accumulates, while using as a straight tooth: as a smoother, this does not occur, the rubbish being either separated, or completely buried.

For cultivating young corn or wheat in the spring, this tool is simply unequalled.

Lower section of cut shows method of attaching teeth to beam, which is tubular steel.

In some sections the *wood frame* harrow is equally satisfactory as the all steel: it has exactly the same adjustments, the one difference being in material of frame. Runners underneath for facilitating transportation from one part of farm to another.

The frames of both tools are built zigzag: that is, arranged that no portion of the ground is left unworked, as is the case between the sections of the common twin, and other imitation makes of this Harrow.

Price, 50 Tooth all Steel Lever Harrow....	\$16.00	Wood Frame.....	\$13.00
“ 60 “ “ “ “ “	18.00	“	15.00
“ 70 “ “ “ “ “	20.00	“	17.00

The Deere Reversible Harrow.

Combines in a measure the excellencies of the Lever harrow. The teeth work on a pivot, and hitching at one end gives the proper slant for smoothing, while hitching at the other end gives the teeth a straight position, for pulverizing.

Price, 72 tooth, in three sections.....\$13.50.

A full line of common drag harrows, substantially built, of best material:—

24, 3/8 inch teeth.....	\$ 7.50.
40, 5/8 “ “ Twin harrow.....	12.50
40, 1/2 “ “	9.50
Single A harrow, 15 3/4 teeth, handles braced..	7.50
Double A “ 19 3/4 “ “ “ ..	10.00

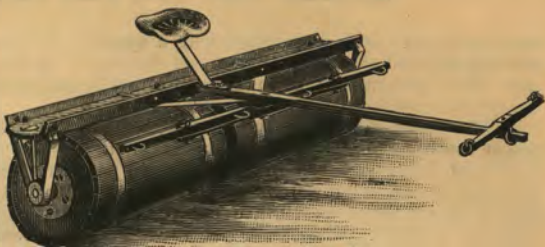
FIELD ROLLERS AND MARKERS.

After harrowing, it is a well-established fact that the use of the land roller is necessary to prepare the ground in best condition; in fact, it is becoming generally understood that the rolling of land after seeding, increases the crop raised in consequence of it bringing finely pulverized soil in contact with the seed, thus making germination more rapid and certain.

Our rollers are of highest grade of material, well built and will give entire satisfaction.

The "Champion" two-horse roller, covers 8 ft., weight 900 lbs.....	\$32.50
" "Star" " " " 8 ft., " 600 lbs.....	30.00
" " " one-horse " one section.....	22.50
" " " " two sections.....	25.00

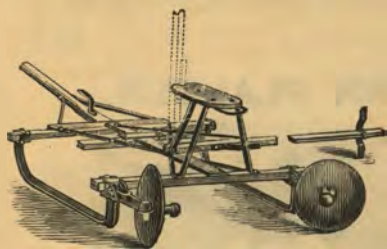
Seat, double and singletrees, neckyoke and weight box, included.



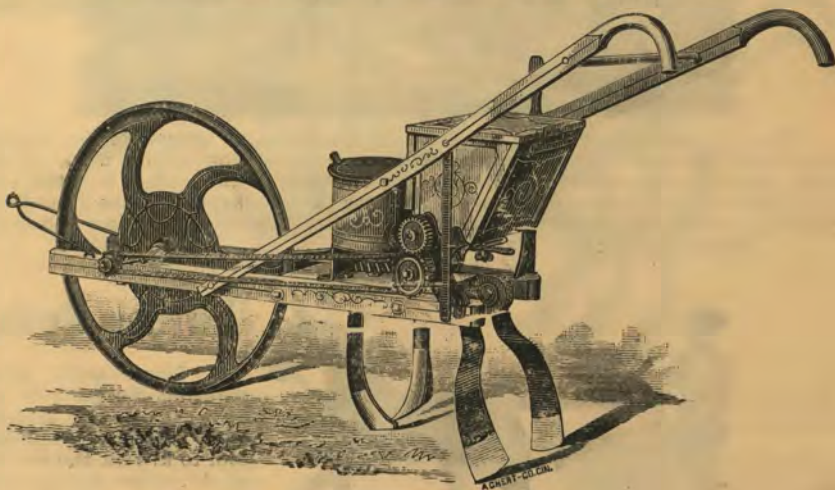
Darnell Marker.

We have sold the Darnell Furrower and Marker continually for ten years, our predecessors having introduced it. Its superiority is unquestioned, it marks two rows and covers them at the same time; the disc can be set at any desired angle and depth.

Price.....\$18.00



Hoosier Corn and Pea Drill.



It is an acknowledged fact that the best results cannot be obtained without giving young plants the most favorable conditions for growth and healthy advancement during their early existence, and it must be conceded that such condi-

HOOSIER CORN AND PEA DRILL—Continued.

tions can not come from crowding a number of them in a hill, and thus dividing among several the available plant food of a portion of soil that cannot contain any more nutriment than is necessary to support one plant in a healthy and vigorous condition.

When drilled properly every plant has the same amount of nourishment or plant food that is divided among from three to five when hilled, hence a vigorous start and a healthy growth of each plant naturally follows, and there are no stunted stalks to produce stunted ears or nubbins, but every one will bear from one to three large well-matured ears of superior quality of corn. The increased number and size of the ears produces an increased yield, variously estimated at from 10 to 20 bushels per acre, which, on a moderate sized crop, will more than pay for a drill the first season.

The HOOSIER CORN AND PEA DRILL is another of our old established tools: we have sold hundreds, and all working with best of satisfaction. Has the cog gear, and drops with great regularity one grain in a place, placing them either 8, 12, 16 or 20 inches apart as desired, thereby accommodating to the requirements of rich, medium or poor land. A pea plate can be added.

For a more moderate priced tool, the DEERE is an excellent machine, guaranteed to do excellent work.

Hoosier Corn Drill plain, price, \$16.00	With fertilizer attachment, \$20.00
Deere " " " " 13.00	" " " 17.00
Keystone " and Pea Drill.....	" " 16.00

DOUBLE ROW CORN PLANTER.

There is no question of the considerable advantage in the use of the Double Row Corn Planter. This machine will do more than double the work of the drill, and the concave wheels following the entrance of the kernel into the soil, well packs the earth around the seed. Where the checkrower is used, marking off the ground is dispensed with, and a positive regularity of planting attained.

Double row planter, plain.....	\$30.00
" " " and checkrow.....	45.00

**Universal Weeder.**

Immediately after planting the seed, we recommend BREEDS WEEDER as a desirable tool to kill off the weeds, at the same time pulverizing the soil and forming a perfect seed bed.

We claim for the Weeder:—

CULTIVATORS.

UNIVERSAL WEEDER.—CONTINUED.

1. That it is a perfect Weeder of all hoed crops, such as corn, potatoes, peas, etc., and if used as soon as the weeds make their appearance and as often afterwards as is necessary, until the crop is large enough for the horse-hoe, it will do away entirely with the use of the hand hoe.

2. That for putting in grain, grass seed, hungarian and millet, it has no equal, leaving the seed evenly distributed and at a uniform depth, and at the same time pulverizing the soil and forming a most perfect seed-bed.

3. That for the purpose of leveling or breaking up the soil, preparatory to sowing all kinds of garden seeds, also for working in uniformly all kinds of composts and commercial fertilizers, it cannot be beaten; and we would respectfully recommend the Weeder to all engaged in market gardening, as an implement well adapted to perform many kinds of work connected with this important branch of industry.

4. That if used at the proper time, it will take the place of ten men with hand-hoes, among all kinds of field crops; but it should be used as soon as the weeds make their appearance, without reference to the crop that is in the ground. It is oftentimes better to go over the ground *once* before the plant makes its appearance. If the weeds are allowed to get too deeply rooted before using the Weeder, it will *cultivate them* as it does the crop.

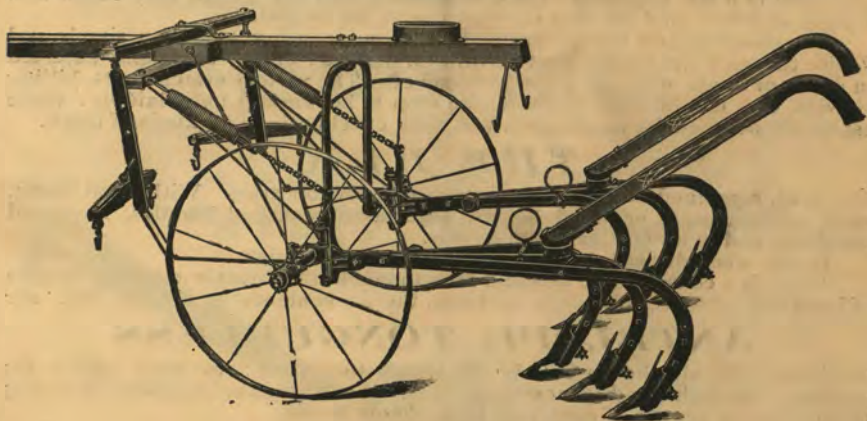
Call and see this new candidate for popular favor.

Standard length, 7 ft. 4 in.....\$10.00

With removable tooth..... 12.00

CULTIVATORS OR CORN PLOWS.

The Deere Spring Walking Cultivator.

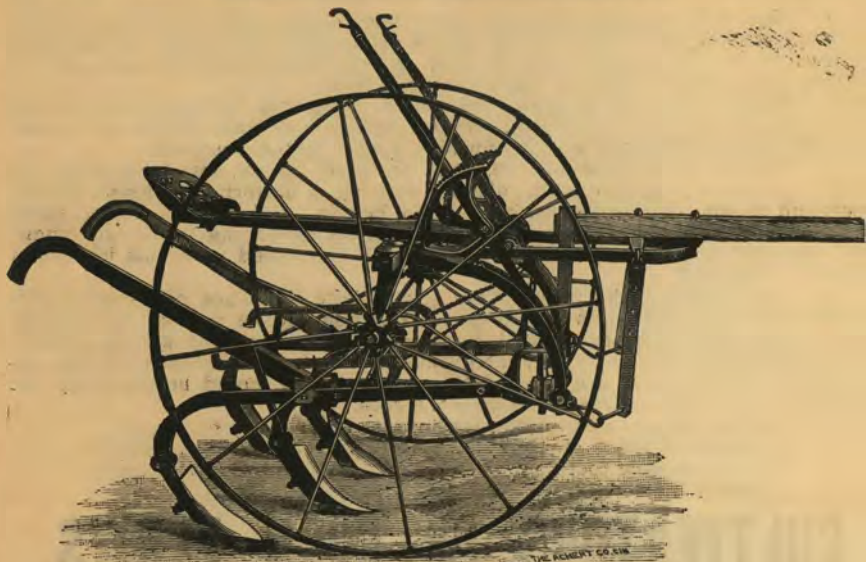


No tool has better established its usefulness than the two-horse Cultivator; the effect of its use on the growing crop is most beneficial. Then the increased work, over the iron frame tool is a considerable item.

We handle a full line of the famous Deere goods, both riding and walking. For a walking Cultivator, the DEERE SPRING has made its name with our Maryland customers: we candidly believe it the most desirable tool offered. The springs assist in all the operations of the shovels, making it possible to hill up corn with great ease, and hold the shovels to the proper depth when plowing. Shields furnished with all cultivators. A seventh shovel can be attached, making a very effective tool in plowing summer fallow.

CORN PLOWS.—Continued.

Where a Riding Cultivator is desired, the

COLUMBIA

offers the latest improvements.

The frame is so constructed that the tread of the wheels can be widened or narrowed in a few moments: hand and foot levers are within easy reach and control of driver, and the seat is adjustable to his weight.

The shovel-beams have a perfectly horizontal swing, and by a simple rod device the teeth are always kept parallel if desired: or may be quickly adjusted in depth or angle of cut, or entirely detached. The various attachments, hilling shovels, etc., can be used, enabling the crop to be worked until laid by: while especially adapted for use in corn, will work excellently in all kinds of truck.

THE ELK

Is a light, combined Cultivator at a comparatively low price. With wood frame, steel wheels, steel or wood beams, adjustable seat and handles, improved couplings and in all particulars first-class.

It can, when desired, be equipped with six shovel rigs.

There is a considerable demand for a tongueless Cultivator, claiming its ease of handling, absence of weight on team, the convenience in turning, etc., our

ANTELOPE TONGUELESS

Cultivator has all the essentials for satisfactory work: we have sold it for several years with steadily increasing sales. It has a high arch capable of laying by the rankest growth of corn, and high wheels boxed.

Couplings that hold the shovel rigs in a perfectly upright position without wobbling or lost motion.

Device for taking up any wear of parts.

By a new device the pitch of shovels can be adjusted to the greatest nicety, thus enabling the plowman to cultivate shallow or deep.

The twisted shovels are of such shape as to throw the soil either way without swerving from the straight line of draft.

All our Cultivators are furnished, in addition to the regular sized shovels, with a pair of *bull-tongues*, or narrow shovels, for early working, next to plant, allowing close working without covering the plant; we supply steel wheels and shields with all the above Cultivators.

CORN PLOWS AND GARDEN TOOLS.

Prices of Deere Cultivators :—

No. 48, Antelope, tongueless cultivator, 4 shovels and bulltongue.....	\$18.00
" 3, Deere Spring Tongue " 4 " " "	18.00
" 17, " " " 6 " " " "	24.00
" 50, Elk riding or walking " 4 " " " "	27.50
" 41, Columbia " " 6 " " " "	35.00

Includes double and single-trees and neckyoke.'

A recent improvement is the Spring-trip for shovels, on same principle and desirability as the Spring-hoe on the grain-drill. For this device add \$5.00 to above prices.

We call attention to the "AJAX" Harrow Cultivator, page 27, as a low priced tool for first workings of corn.

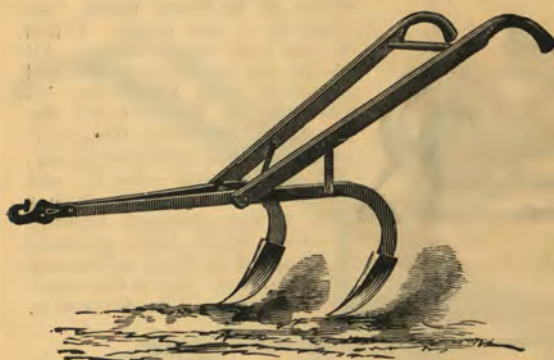
SHOVEL PLOWS
AND STEELS.

The Shovel Plow is very generally used in last working of crops.

PRICES.

Double shovel Plow, \$2.75
Single Shovel Plow, 2.50
Double Shovel Plow,
"Deere" make..... 2.75

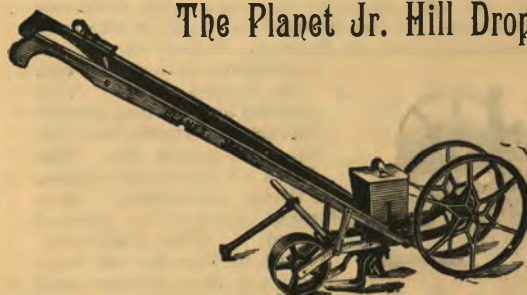
Substantial goods only, supplied.



GARDEN TOOLS.

We feel it unnecessary in introduction to our line of garden tools, to say more than that we handle the Planet Jr. goods. Their name is sufficient guarantee of merit. We call especial attention to the new drill, as follows.

The Planet Jr. Hill Dropping Garden Drill.



This is an entirely new machine, the latest and best of the "Planet Jr." family. It holds two quarts, and sows all kinds of garden seed with the greatest regularity. The plow runs any depth from one-eighth to two inches. It sows in drills as well as the No. 2 Drill, and will also drop in neat

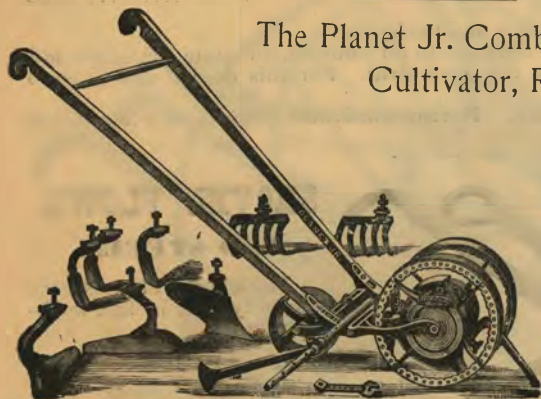
hills, either four, six, eight or twelve inches apart. It can be changed from a hill to a drill dropping machine or the reverse, or can be thrown in or out of gear in a moment, and will not sow when run backwards. It is nicely adapted to working all conditions of land, especially well in fresh ground or when planting on a ridge. It has a force-feed, so that the sowing is regular, no matter whether the drill is full or nearly empty. The discharge of the seed can be stopped instantly at the end of the row, so that none need be wasted. The Open-

GARDEN TOOLS.—Continued.

ing Plow and Coverer are specially adapted for the work they have to do, while the Marker can be set at any distance desired up to twenty inches. The ability to drop in hills is a great advantage, as it saves considerable seed, insures vigorous plants at even distances, and saves an immense amount of hand labor in thinning out. The machine is thoroughly well made and the best tool on the market.

Price.....\$12.00

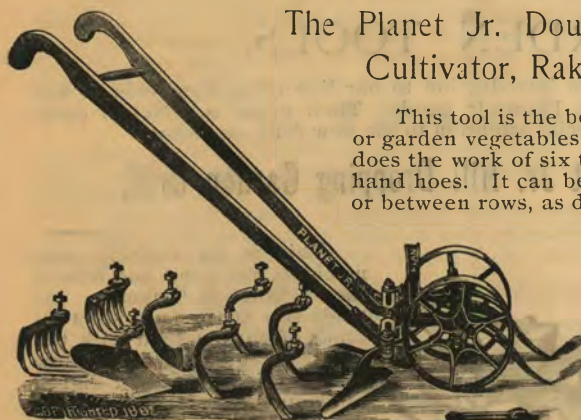
Extra attachments for sowing onion seed for sets in a band 4 in. wide .50



The Planet Jr. Combined Drill, Wheel Hoe, Cultivator, Rake and Plow.

This is unquestionably the most popular and perfect machine of its kind made. Its capacity is one quart. It has all the tools shown in cut. All blades are steel, tempered and polished. The Rakes are invaluable in preparing the ground for planting, for covering seeds, first cultivation, etc. The Hoes work closely and safely all rows up to 16 inches wide at one passage, leaving the ground nearly level. The Plow opens furrows, covers them, hills, plows to and from, etc. The Cultivator teeth are admirably adapted to deep mellowing of the soil and marking out. Taken as a whole, this combined tool is the nearest approach to perfection for the uses of a gardener that can well be devised in a single implement.

Price.....\$12.00. Without attachments....\$7.50



The Planet Jr. Double Wheel Hoe, Cultivator, Rake and Plow.

This tool is the best for all who raise onions or garden vegetables on an extensive scale. It does the work of six to ten men with ordinary hand hoes. It can be used to straddle the row, or between rows, as desired. It has all the attachments shown in cut. The Rakes level the ground for planting, gather stones and trash, cultivate, cover seeds, etc. The Hoes cut loose and clean, killing everything they meet, leaving the ground level. The Cultivator

Teeth mellow the soil deep or shallow and are useful for marking out. The Plows lay out deep furrows and cover them, hill up or plow away, as desired. The Leaf Guards allow cultivation of large plants, such as beets, carrots, parsnips, beans and peas. No vegetable grower can afford to be without it.

Price, complete.....\$8.00

“ plain with only one pair of hoes and no leaf guards..... 4.50

Deductions made when other attachments not desired.

GARDEN TOOLS.—Continued.

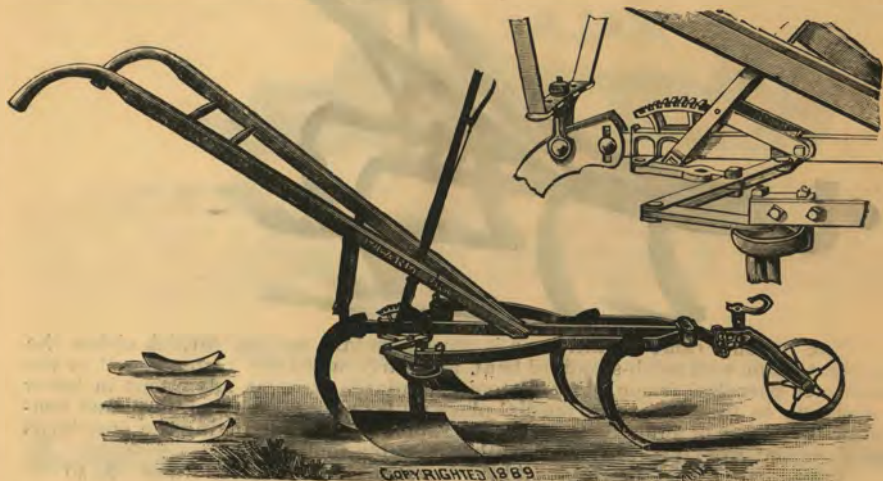
The "Fire-Fly" Wheel Garden Plow.

This tool is intended for those who have but small gardens and a moderate amount of time to spend in them. It enables them to raise vegetables for their family or for market, with a minimum expenditure of labor and time, the latter being often the most important item to many who would be glad to grow their own vegetables if they could do it in their spare moments. The mouldboard is tempered and polished steel. The depth may be changed as desired very quickly. The low price brings it within reach of all.

Price.....\$2.50



The Planet Jr. No. 5 Combined Horse Hoe and Cultivator.



This well-known and popular tool, though acknowledged for years past to be the best in the market, has striking improvements for 1892. Chief among these are the patent *Lever Expander*, changing the width instantly;—and *Handle Adjustment* for height, and also sidewise for use in grapes, pole beans, blackberries, nursery stock, etc., and when covering. It also has the patent parallel frame, interchangeable and adjustable *Hollow Steel* standards, reversible blades, sleeved bolt holes, etc. As a *Horse Hoe* with side teeth reversed it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a *Cultivator*, the reversible teeth cut off and turn over the weeds in the most perfect style. As a *Hiller*, the side teeth work in combination with the rear shovel to perfection. We earnestly invite the attention of tobacco growers to this tool.

Price.....\$8.25

" No. 4, as above except without lever..... 7.25

The attachments shown in above cut, are included in the price of the "Planet Jr." Horse Hoe, but in addition we can supply the following extra attachments at the prices named. They are invaluable for various kinds of work.

$1\frac{1}{4}$ inch Cultivator Plates.—Are used for deep work, where ground is baked hard, or when it is desired to work close to small plants without throwing a furrow either way. Price per set of five, 60 cents.

Roller.—This is valuable in covering corn, potatoes, etc. Price, \$2.00.

Rake.—A cheaper device, much better in sticky land. Price, \$1.00.

Vine Lifter.—Useful in sweet potatoes, tobacco, beans, peas, etc. Price, \$1.75.

GARDEN TOOLS.—Continued.

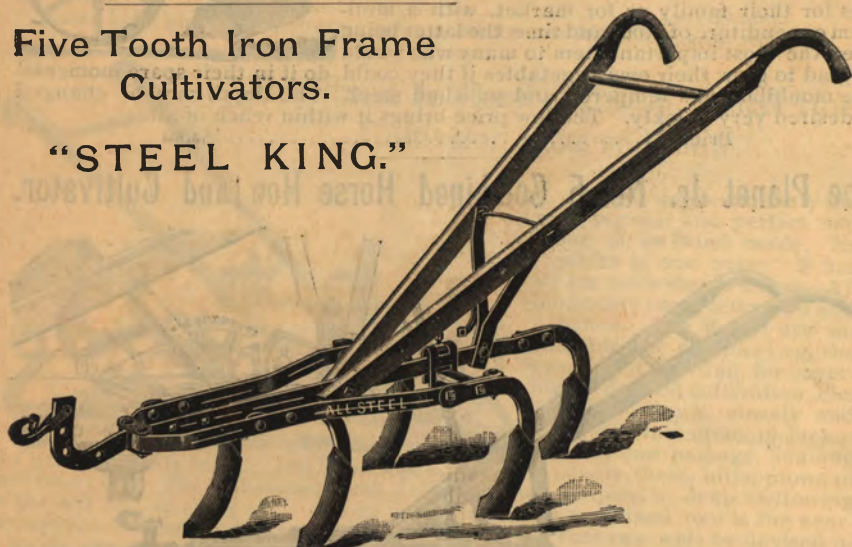
HORSE-HOE ATTACHMENTS CONTINUED.

Furrowing Steels.—These we make in three sizes, viz: 10 inch, (\$1.00), 15 inch, (\$1.75) and 20 inch, (\$2.00). The 20 inch is the best.

Marking Attachment.—New pattern. Light, handy and makes a wide, clean mark. Price, \$2.00.

Five Tooth Iron Frame Cultivators.

“STEEL KING.”



The “Iron Frame” Cultivator is very popular: we can furnish either the straight frame with tooth-standard bent, popularly called the “Iron Age:” or the improved parrallel frame, with all tooth-standards straight, advantage in latter consisting in there being no special place on frame for each standard, and consequent absence of annoying mistakes in replacing, after changing the standards for different workings. Wrench with all garden tools.

Price, Steel King Cultivator, plain, either straight or parrallel frame... \$3.50
 “ “ “ “ with reversible side-hoes for covering or
 throwing soil away, plain. 4.50
 “ With combined cultivator and side-hoe attachments..... 5.00
 Add for wheel75
 “ “ lever expander..... 1.00

CULTIVATOR PLATES AND STEELS.

In order to suit all varieties of soil and methods of cultivation, we furnish five sizes of cultivator teeth, viz: 1½, 2¼, 3, and 4 inches, and oval.

The 1½ inch throw almost no furrow, and run very deep, yet work beautifully as cultivating teeth and subsoilers, very desirable where the soil is to be broken up thoroughly without hilling, as where the ground is clean, but beaten down by rains, or baked by the sun. The next size, 2¼ inches, is desirable for general cultivation, and does superior work in hard lands. The next is 3 inches; this is the size, with one 4 inch front he rear standard, which is usually sent out unless otherwise ordered, being best adapted to general work in all kinds of soil.

Special Notice.—Always order Plates by Width.

1½ inch, each.....	\$0.12	10 inch, sweeps, each....	.40
2¼ “ “	.14	12 “ “ “	.45
3 “ “	.15	15 “ “ “	.50
4 “ “	.17	5 “ side steels, each....	.65
4 “ oval, each.....	.17	6 “ “ “	.75
7 “ shovels, each.....	.40	10 “ furrower, “	1.00
8 “ “ “	.50	15 “ “ “	1.75
8 “ sweeps “	.35		

Hoes furnished for wood frame cultivators.

GARDEN TOOLS.—Continued.

Ajax 14 Tooth Harrow Cultivator.



This tool has been remarkably well received; it is a harrow and cultivator, and combines the work of the two tools nicely. It is used to great advantage in corn and tobacco as well as with all small plants. The steel diamond-shaped teeth have four adjustments, including throwing forward for deep work, or backward for smoothing. The handles are well braced from the frame, not found on cheap imitations of the "AJAX."

Price, Plain	\$4.25
" with Wheel	5.00

Something you have Long Been Looking for

— The Planet Jr. Grass Edger. —



A cheap, handy and effective Grass Edger is a treasure, and here it is; one with which you can in an hour edge beautifully the walks and the *flower and shrub beds* of an ordinary half-acre lawn. Think of it: why, in the usual way it would take a day. This perfect little tool does either *straight or curved work* most accurately, edging at the desired angle and at the speed of a mile an hour. It will give more genuine pleasure and satisfaction for its moderate cost and the little time expended in its use than the lawn mower. It should be the constant

companion of the mower, and is invaluable in giving the last touch of neatness to the lawn when the mower has done its best. Strawberry growers will find it a rapid and perfect tool for cutting off surplus runners. For this work the hoe may be removed. By removing the wheel, the hoe may be used alone with great satisfaction in the vegetable garden, first cutting away from the crop, and then returning the earth.

Price.....\$4.00.

Extra Heavy.....\$6.00.

GARDEN TOOLS.—Continued.

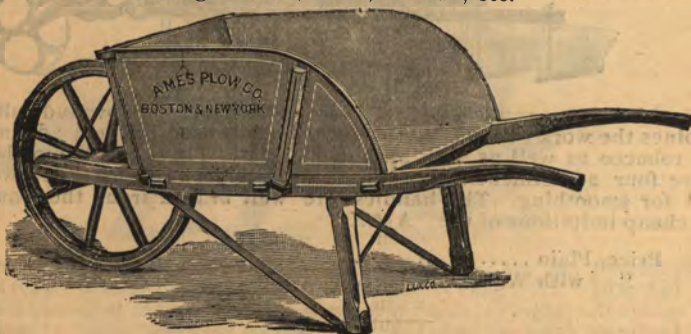
WHEEL BARROWS.



CANAL OR DIRT BARROW.

With Iron Wheel.....	\$2.50
“ Wood “.....	2.25
Cheap grade, “Knocked Down”.....	1.50

Convenient for moving manure, earth, rubbish, etc.



GARDEN BARROWS.

The Standard “AMES” make: the best finished and most durable barrow on the market.

No. 4 Beekman (most popular).....	\$4.00
“ 6 “ (large size).....	4.75
“ 3 Boston (small size).....	4.50
“ 4 Quincy (higher grade).....	4.25
“ 6 “.....	5.00
“ 4 Lighter grade.....	3.50

The Styron Combination Wire and Picket Fence.



DESCRIPTION.—The Styron Fence is composed of White Cedar Pickets, and galvanized Bessemer Steel Fence Wire. The pickets are woven between wires, as shown in cut, the wires beginning 3 in. from bottom, and running every 10 in. apart to within 3 in. of the top. The pickets are spear pointed. The fence is manufactured in rolls of 50, 75 and 100 lineal feet and weighs from 125 to 250 lbs. per roll. On a 4 ft. fence there are 5 cables, of two wires each, which gives the fence a resistance of about 8000 lbs.

DURABILITY.—The secret of the durability of the Styron Fence lies in the

FENCES AND GATES.—Continued.

quality of the materials used in its manufacture, which is the best that can be obtained for the purpose. The pickets are so woven between the wires that they do not touch, but are held securely in position ; this allows free circulation of the air, which dries the pickets rapidly and prevents dampness and decay. The wood entirely prevents the frost from breaking the wires, which is not the case in a fence composed of all wire. This fence will last from 30 to 50 years.

ADVANTAGES.—Its advantages are many and obvious from the above description. It can be easily erected, 50 to 100 feet being stretched at one time. It requires less posts than any other fence on the market, posts being put 10, 12 and 14 feet apart. It can be easily hauled and quickly moved and erected. It will turn all small animals, dogs not excepted. It will not "bulge" when run into but springs back in place, without damage. It is visible, safe and strong and will last a life time. "It is a fence, not a netting." It is neat, handsome and cheap: use it.

PRICE LIST OF FENCING.

KIND OF FENCE.	Feet High.	Inches between Pickets.	Size of Pickets	No. of Cables zw. ea.	Size of Wire.	Per Roll 75 feet.	Per ½ Roll 50 feet.
Garden and Orchard.	3	1 ¾	2x ¾	4	12 ½	\$3 80	\$2 50
	4	1 ¾	2x ¾	5	12 ½	4 75	3 15
	5	1 ¾	2x ¾	6	12 ½	5 75	3 90
Stock.	4	3 ¾	2x ¾	5	12 ½	4 10	2 75
The Celebrated O. G. Poultry Fence.	3	2	1 ½ x ¾	4	14	3 25	1 63
	4	2	1 ½ x ¾	5	14	4 25	2 13
	5	2	1 ½ x ¾	6	14	5 00	2 50

DESCRIPTION OF GATES.

The Gates Manufactured to match the Styron Fence comply with all the requirements of the principals of a good gate : viz.—they are light, yet strong ; neat, yet durable ; handsome, yet cheap.

They are made of cypress, put together by experienced carpenters. We use screw nails at each mortice, which prevents them from drawing apart. The lightness prevent any swaging. Prices here given are for gates furnished complete, with hinges and catch, with or without base-board, as desired.

PRICE LIST OF GATES.

Feet High.	Feet Broad.	Straight or Curved Top*	Feet High.	Feet Broad.	Straight or Curved Top*	Feet High.	Feet Broad.	Straight Top only.
3	3	\$2 00	4	3	\$2 15	5	3	\$2 30
3	4	2 15	4	4	2 45	5	4	2 75
3	8	4 00	4	8	4 40	5	8	4 70
3	9	4 35	4	9	5 00	5	9	5 50
3	10	4 50	4	10	5 45	5	10	5 80

*These gates are made curve tops in 1 ¾ mesh, unless otherwise ordered. Gates sent without Baseboard, unless width is named in order. Special sizes made to order.



Barb and Ribbon Wire
and Staples constantly in
Stock at Lowest Prices.

GARDEN TOOLS.—Continued.

The Famous Kanawha Pump.

WITH PORCELAIN LINED OR UNLINED CYLINDER.



We do not offer the Kanawha as in any sense a competitor to the cheap Western pumps, with which the market is flooded; examination into its construction explains the reason. This pump has for fifteen years been manufactured on our premises, thousands being in present use: it is entirely hand-fitted and hand-built from the "white." This insures the utmost care in every detail: we have and continue to send out any depth up to 100 feet, conditional on entire satisfaction: have never heard one complaint.

We give list of the two most popular sizes, up to 32 feet, but are pleased to furnish quotations for deep-well pumps. Any style or depth furnished on a few hour's notice.

☞ Porcelain-lined Pumps are recommended to give the Best Satisfaction.

SHALLOW WELL PUMPS.

Depth of Well Measured from Platform to Bottom.	Socket Cylinder Porcelain Lined Pump, with Drop- Valve. No. 1.	6x6		7x7	
		House Well Pumps.		Stock Well Pump.	
		Porcelain Lined.	Unlined.	Porcelain Lined.	Unlined.
		No. 2.	No. 3.	No. 5.	No. 6.
10-foot Well.....	\$14 00	\$ 7 76	\$ 6 26	\$ 8 82	\$ 7 32
11 " "	14 40	7 90	6 40	9 00	7 50
12 " "	14 80	8 04	6 54	9 18	7 68
13 " "	15 20	8 18	6 68	9 36	7 86
14 " "	15 60	8 32	6 82	9 54	8 04
15 " "	16 00	8 46	6 96	9 72	8 22
16 " "	16 40	8 60	7 10	9 90	8 40
17 " "	16 80	9 26	7 76	10 60	9 10
18 " "	17 20	9 40	7 90	10 78	9 28
19 " "	17 60	9 54	8 04	10 96	9 46
20 " "	18 00	9 68	8 18	11 14	9 64
21 " "	18 40	9 82	8 32	11 32	9 82
22 " "	18 80	10 17	8 67	11 82	10 32
23 " "	19 20	10 31	8 81	12 00	10 50
24 " "	19 60	10 71	9 21	12 50	11 00
25 " "	20 00	10 85	9 35	12 68	11 18
26 " "	20 40	10 99	9 49	12 86	11 36
27 " "	20 80	11 90	10 40	13 98	12 48
28 " "	21 20	12 04	10 54	14 16	12 66
29 " "	21 60	13 00	11 50	15 28	13 78
30 " "	22 00	13 14	11 64	15 46	13 96
31 " "	22 40	14 10	12 60	15 64	14 14
32 " "	22 80	14 24	12 74	15 82	14 32

Prices subject to change without notice.

HARVESTING MACHINERY.

THE
WALTER A. WOODS'
Binders, Reapers, Mowers & Rakes.

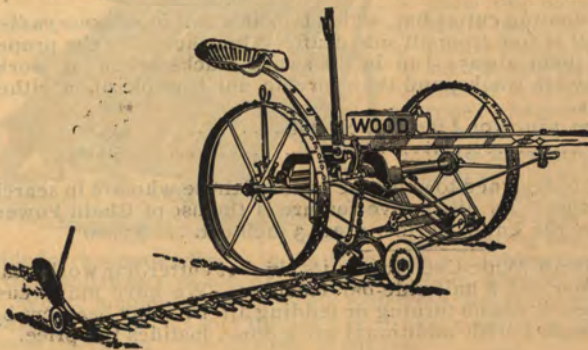


Light weight and draft, of greatest possible strength and durability. The celebrated Single Apron : has an open rear, which is closed when desired : Elevator reliable in all crops, in any condition : Thin Steel Platform : Infalible Knotter : Straight-away Discharger, never fouling the machine.

To the many of our old customers who have been using, with such extraordinary satisfaction, the Minneapolis Binders, for a long time sold by our predecessors, we explain that the Walter A. Woods Harvesting Machine Co. recently purchased the entire Minneapolis plant, and the best featurers of the latter machine will be found included in the 1892 Woods Binder.

We supply a line of Minneapolis Repairs.

The WOODS REAPER is a light, enclosed gear machine ; an improvement over all Reapers that have been built before.

THE WOODS' Mower.

In every way a success.
Light Draft : Strength :
Firm, Smooth Action :
Enclosed Gear and Tubular Steel.

See these machines before purchasing.

Sole Headquarters for Repairs for all Walter A. Wood's Harvesting Machines, sold from Baltimore, within the past 35 years.

209 S. Charles St.



Binder Twine.

Pure Manilla, mixed Manilla and Sisal, and pure Sisal Twines. We are specially careful in purchasing, to secure strong, smooth twine, which will run full length to the pound.

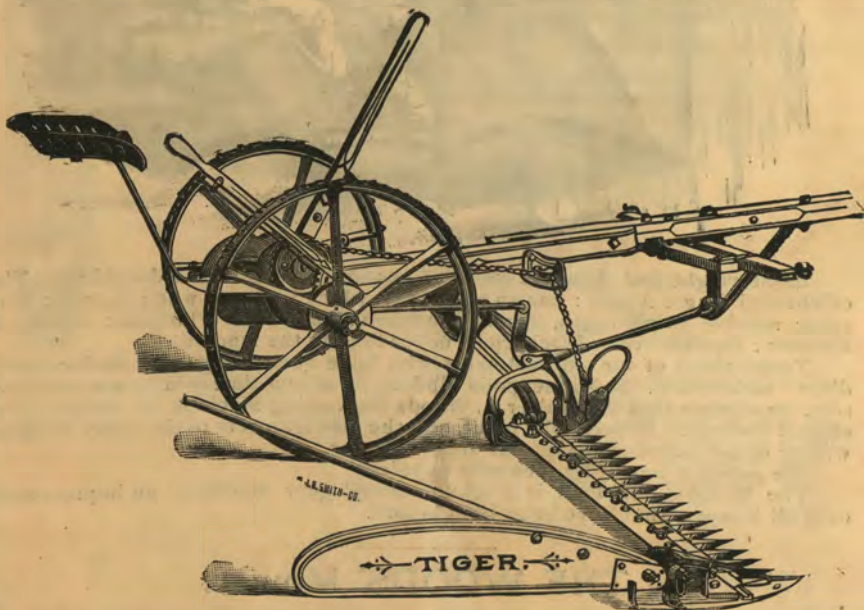
Furnished at bottom prices.

Grain Cradles.

Grain Cradles with best English Waldron Blades; also a variety of lower priced grades.

Prices from \$3.50 to \$4.50.

The Tiger Mower.



Has an absolute free-floating cutter-bar, which is *drawn and in no sense pushed* forward when at work. It is free from all side draft. The wheels are the proper distance apart to make them always run in the swath tracks when at work. Both horses walk in the swath tracks, and therefore do not trample upon either the cut or the uncut grass.

Price, either 4 feet 3 inch or 4 feet 6 inch cut.....\$45.00
 " 5 feet cut..... 50.00

The DAYTON MOWER is designed to meet the needs of those who are in search of a cheaper machine. Its distinctive feature is the use of Chain Power, instead of gearing, to drive the knife. Price, 4 feet 3 inch cut.\$35.00

"EUREKA" Centre Draft Wide-Cut Mower, its six foot cutter-bar works the team no harder than a four and a half side-bar machine. We have many customers who claim the grass needs no turning or tedding after having been cut by an EUREKA, and this coupled with additional work done, justifies the price.

Price, 6 feet cut.....\$60.00

Price, 7 feet cut.....\$65.00

HARVESTING MACHINERY.—Continued.**The Symmes Grain and Hay Cap.**

Never before has the necessity for this article so presented itself to our farmers as in the season of 1891, when after a magnificent harvest, quantities of grain were ruined from exposure.

This Cap is manufactured from wood-pulp, made *thoroughly water-proof*.

100 will cover from six to eight tons of hay. Size of cap fifty-six in. spread, eighteen inches deep and four feet in diameter.

Price.....\$5.40 per dozen.

Discount in lots of one-hundred.

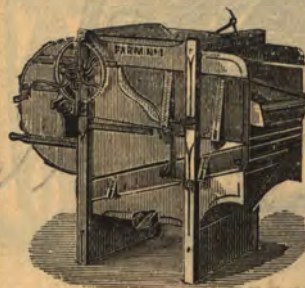
**THE CENTENNIAL FANNING MILL.**

Warranted to be a most perfect cleaner, grader and separator of all grain and seeds.

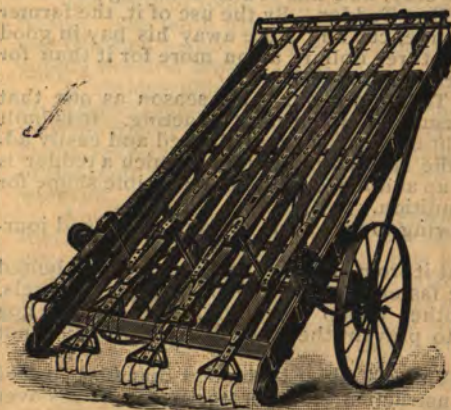
Is an excellent chaffer, having plenty of wind and shake. Will separate oats and all small seeds such as cockle, cheat and other wild seeds, from wheat at one operation, and the good and large seed can be separated from the poor. It is a perfect cleaner of both clover and timothy and will separate one from the other and clean them at the same time.

We furnish the mill with the following sieves and screens: one wheat hurdle with zinc top sieve, three wheat screens, one oat, one barley, timothy and clover screens, and rake and chaffing sieves.

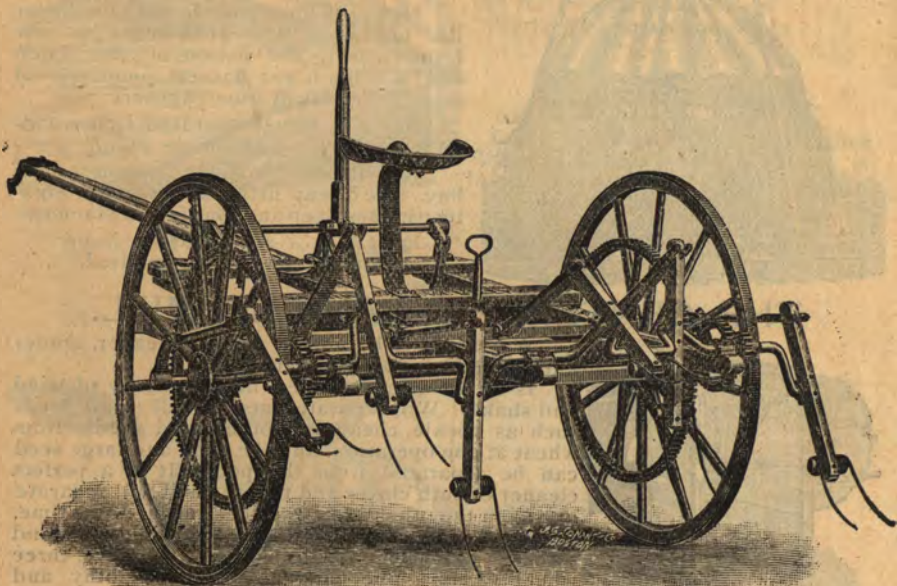
Considering the complete rig furnished, the price of this mill is very moderate. Price, with 22 inch sieve.....\$21.50

**HAY LOADER.**

With no crop that the farmer harvests, is promptness in handling so essential, as the hay-crop. For this reason any improved tool having for its object facilitating the shelter of hay, is sure to be given favorable reception: a careful examination of the Hay-loader in accompanying cut, will at once show the considerable improvements lately made in this machine. Its simplicity brings likelihood of breakages—such in hay harvest may mean ruination of a crop—to a minimum, as no ropes whatever are used in its construction: any child of twelve can connect it to a wagon; will load perfectly heavy or light hay: is the best swath-loader ever built, and works perfectly in the windrow, where it will load when others clog and break. We have no hesitation in recommending it to the farmer as a machine that will give perfect satisfaction, and in fact, do more than we claim for it. **Price, 6 ft. loader...\$55 00**



Where a complete loading rig is desired, we recommend the *Keystone Side-Delivery rake*. This tool throws a continuous windrow, and we guarantee its successful operation. Price, same as loader.

HARVESTING MACHINERY.—Continued.**HAY TEDDER.****"HOCKING VALLEY HAY TEDDER."**

The frequent prevalence of unseasonable weather during hay harvest, demands improved methods of saving the crop, and has led to a more general interest in the working and utility of the Hay Tedder. By the use of it, the farmer can on the same day, without any sunshine, cut and store away his hay in good condition, and is able to get from two to three dollars a ton more for it than for hay that is sun-scorched on top and green underneath.

We offer the Hocking Valley Hay Tedder for our third season as one that will fully satisfy in every respect the demands of the most exacting. It is built of the best material throughout; is light of draft, nicely balanced and easily adjusted; is abundantly strong to stand the strain and jarring to which a tedder is submitted, and is guaranteed to shake up and leave in the best possible shape for curing, grass of all kinds and every condition.

It is as noiseless as a new buggy, owing to fork arms moving on turned journals.

It has lugs on the wheels to prevent it from slipping, and the tires are bolted on the rims. The large cog wheels are fastened to the *hub* of the ground wheels, and not to the spokes, as in many other cheap machines. The smaller cog wheels in the rear have gear covers to prevent the hay from winding in; (not shown in cut.)

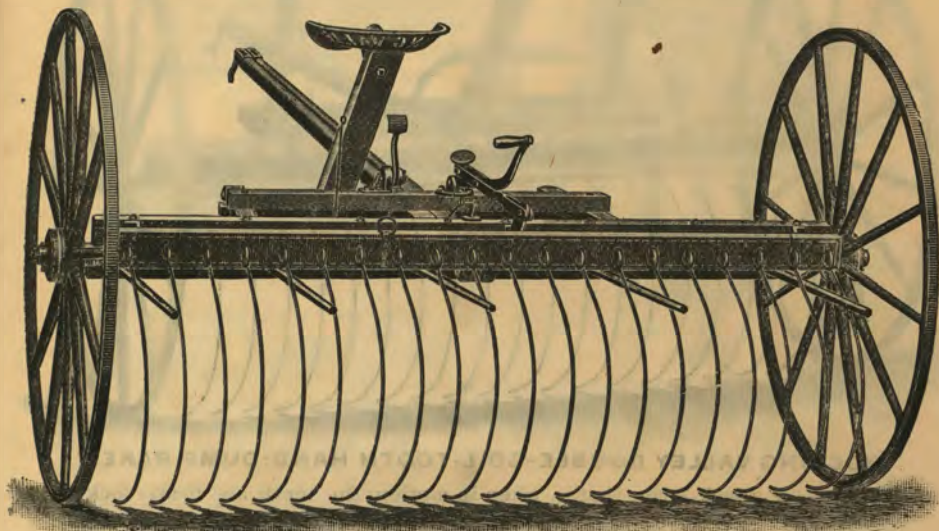
A peculiar feature of the Hocking Valley Tedder is the fact that *it has a fork on the outside of each wheel*; by this construction the operator never drives over tedded hay.

All tedders are furnished with combined poles and shafts of a new and original device, by which the changing from one to the other can be made in less than two minutes.

Price, with combined pole and shafts.....\$33.00

HARVESTING MACHINERY.—Continued.

THE STANDARD

Hocking Valley Horse Rakes.**"THE HOCKING VALLEY SELF-DUMP RAKE."**

Hand-in-hand with the tedder, comes the splendid Hocking Valley line of horse-rakes. The self-dump is the style most used.

The style of tooth used on this rake has a single coil in the rear of the guide board. The teeth are made of crucible spring steel tempered in oil, and each one is tested before it leaves the factory. In three years sale we have yet to supply the first broken tooth.

A serious objection heretofore to self-dump rakes has been the fact that after the discharge is made the teeth fall to the ground with a heavy thud, jarring the driver, racking the rake, and often breaking the teeth. On our Self-Dump rake the head is so balanced that the weight of the driver breaks the fall of the teeth so that they come down with an easy movement just in front of the windrow.

Another objection to other self-dump rakes is that, on them the hand lever stands up in front of the driver and moves violently backward and forward every time the rake dumps. For this reason it is constantly in the way of the operator, and liable at any time to strike and injure him. We call special attention to the fact that the hand lever of our rake lies at the side of the operator, entirely out of the way, and *does not move* when the rake dumps.

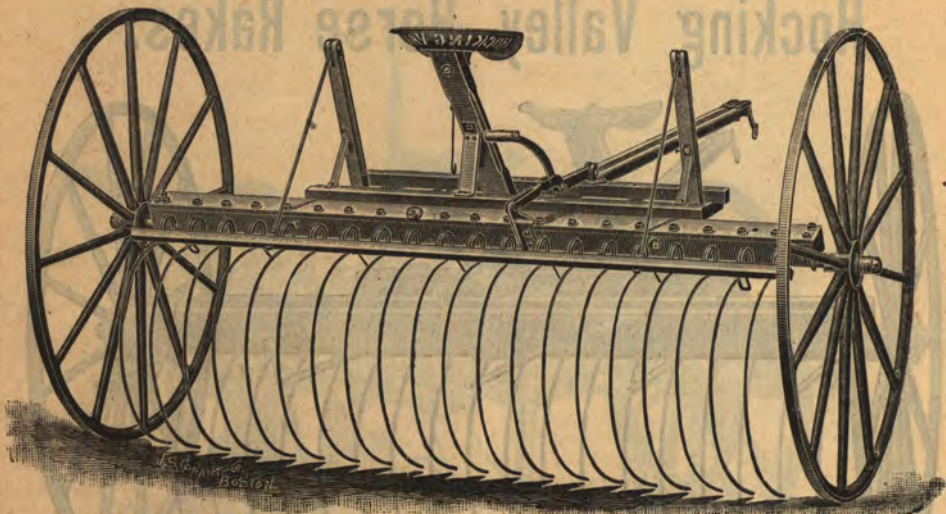
Price, with 20 single coil teeth.....\$22.50

HAND OR WEIGHT DUMP RAKES.

Many farmers are satisfied with the hand or weight dump rake. For this demand we supply two styles, one with double-coiled teeth; the other with a spring over each tooth, popularly called the Hollingsworth. They are hand-dump rakes, but so in name only, because the weight of the driver lifts the teeth and dumps the rake after he has merely given the hand lever a slight upward movement.

HARVESTING MACHINERY.—Continued.

Hocking Valley Hand-Dump Rakes.—Continued.



"HOCKING VALLEY DOUBLE-COIL-TOOTH HAND-DUMP RAKE."

They have a lock-lever, that is, when in motion, the teeth are firmly locked to the ground without use of the hands or feet of the operator.

As well made in material as the self-dump, and give universal satisfaction.

Price, with 20 double-coiled teeth with pole and shafts.....\$18.00

" " 20 Hollingsworth " " " " " " 20.00

Lawn Mowers.

Our lawn mowers are durable, light running and simple in construction. Made of very best material throughout and guaranteed in every particular. Flexible handle: roller and cutter bar easily adjusted.

Prices of horse-power mowers furnished on application.

—PRICES—

10 in. hand mower....\$5.50

12 " " " ... 6.50

14 " " " ... 7.50

Rear hood, attachable to all mowers, receives cut grass and rubbish.....\$1.00



HARVESTING MACHINERY.—Continued.**Hay Carriers.**

When hay is stored in barns, the hay carrying rig is absolutely necessary for quick handling. In any reasonably sized harvest, an outfit will pay for itself in one season.

We have handled the Janesville line of Carriers, wood and steel track for years and warrant the best of satisfaction in their use.



Showing wood track as hung.

The trips and stops are thoroughly reliable, working smoothly and accurately. Carriers are made entirely of malleable iron, combining strength with neat proportions. They will give satisfaction to the most exacting. No holes whatever bored in track used for steel track car. Adjustment perfect, and the very latest.

A complete assortment of forks; pulleys, hanger irons, ropes, etc.

Boss Carrier, including trip block and fork-pulley.....\$4.50

Dead Lock Carrier, including trip block and fork-pulley..5.50

Steel Track Carrier including trip block and fork-pulley...5.50

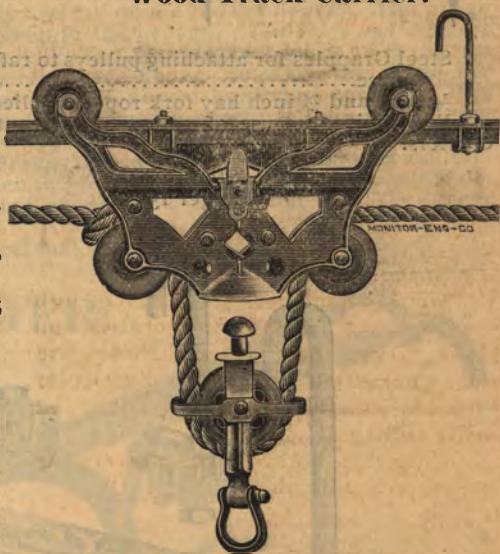
Steel Track, including connecting joints.....per ft. .15



Rafter iron, price 10 cents.



The famous "Boss" reversible Wood Track Carrier.



The "Janesville" reversible Steel Track Carrier.



Hanger hook, for Wood Track,
Price 10 cents.



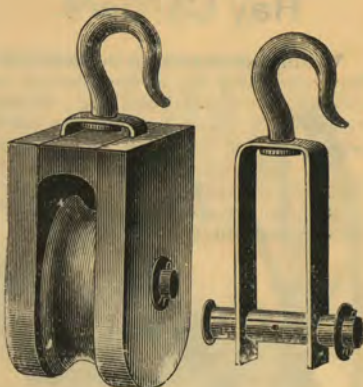
Malleable frame knot passing pulley; will not chafe the rope, 45 cts.

HARVESTING MACHINERY.—Continued.

Double harpoon fork, price, \$1.25



Single harpoon fork, price, \$2.50

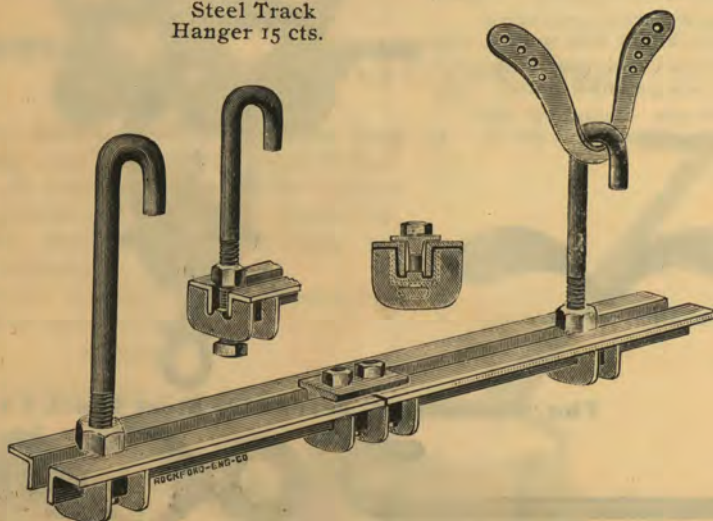
Maple Sheave pulley. Very strong with deep grooved sheave.
Price.....35 cents.

Floor hook, price, 10 cents.

Steel Grapples for attaching pulleys to rafters, convenient and portable,
price..... 75 cents.

$\frac{3}{4}$ inch and $\frac{7}{8}$ inch hay fork rope, supplied at lowest market prices.

We advise the use of yellow pine scantling (4x4 inches) for Wood Track Carriers.

Steel Track
Hanger 15 cts.

Showing section of steel track as hung : no holes whatever in track.

DEERE POTATO DIGGER.—Continued.

SEE CUT PRECEEDING PAGE.

Where there is but a small crop to be dug, and a high-priced tool is undesirable, our DEERE DIGGER has given the best of satisfaction. The guage wheel in the rear regulates the suck: the depth is regulated by the clevis. All metal excepting the handles; will do entirely satisfactory work.

Price.....\$10.00

" Anchor Potato Digger..... 7.50

CORN HARVESTER.

We offer our Corn-Harvester this season, with renewed confidence in its ability, when properly manipulated, to perform in a satisfactory manner, this formerly slow and extremely fatiguing work. It will easily cut 200 to 300 shocks per day: by a simple arrangement, the knives may be thrown in under the bed of the cutter, and out in a second's time: a front railing steadies the workmen and guards against accident. One Harvester with two men will do the work of half a dozen hands with knives.

Mr. Geo. Young, Southerlins, Va., writes us under date of Oct. 6th, 1891:—"We are pleased with your Corn Cutter, while have not been able to use it much: it worked right off, and took the corn down nicely, and the men readily got the hang of it."

Price.....\$25.00

FODDER YARN.

Always in stock during season; guaranteed grades at bottom prices.

Corn Knives.....25 cents.

Hay, Fodder and Ensilage Cutters.

POWER CUTTERS.



SHOWING

No. 11, with Carrier.

In the sizes of Hocking Valley Cutters as specified below, we claim a line and variety such as has never before been offered in the State, and unqualifiedly guarantee them the leading, and most desirable cutter sold, being at all times willing to ship them out in *actual working competition* with any cutter made, size for size, and guaranteeing, with the same power, from 10 to 40 per cent. more work.

We have never had a line of goods that gave such unusual satisfaction: the following late letter from one of the largest stables in Baltimore, is but one of the many we have on file.

PETER THOMPSON, PRESIDENT.
NORMAN JAMES, SECRETARY.

BALTIMORE FARM IMPLEMENT CO.

OFFICE OF CENTRAL CAR STABLES.
PRESTON & CONSTITUTION ST.

Baltimore, Md., Dec. 24, 1891.

Gentlemen. —Mr. Thompson has authorized me to tell you that we have used your Hocking Valley Cutter No. 15 for over one year and we consider it the best in the market, and recommend it very highly. It has not cost us one dollar for repairs, and we can cut four (4) tons of hay per hour. Yours truly,

PETER THOMPSON, President.

CENTRAL RAILWAY COMPANY.

POWER CUTTERS.—Continued.**A LETTER FROM THE COUNTRY.**

Parkton, Balto. Co., Md., Jan. 21, 1892.

BALTIMORE FARM IMPLEMENT CO.

Gentlemen.—The 15 inch H. V. Cutter purchased of you December last, has far exceeded my expectations. Does more work, quicker and easier than any other machine I ever used or saw used in my neighborhood, and there are machines run here for years that we thought could not be beat. We have changed our minds decidedly since using your Hocking Valley. It is the wonder of all who have seen it at work. We have to "hussle" to keep it supplied with stock to cut. I take pleasure in recommending this machine to all in search of the best cutting box.

Yours very truly,

W. HOWARD MILLER.

They are the easiest-running cutters made because of their exceedingly true adjustment: we guarantee their capacity the greatest, on account of the patent rocking-feed-roller, by which it is next to impossible to choke the machine, and yet keeps all parts running true.

These cutters have **direct action**, that is, the power is applied directly to the knife shaft, instead of indirectly by means of gearing.

The **upward cut**, which possesses the following advantages:—

1st. When the knife makes its cut, the *stroke* of the knife shaft is downward on the boxes, which rest solidly on the frame—instead of upward against the caps of the boxes, as in other cutters.

2d. The edge of the knives and the shear-bar are both in full view, so that, in case of wear, the knives can be adjusted to the shear-bar easily and accurately.

3d. The knives will retain their edge much longer, because the sand, grit and dirt settle down to the bottom in passing through the machine, and cannot dull the knives making the upward cut as they do those cutting downward.

The **frames** are heavy, bolted together and braced.

The **knife shafts** of all Power Cutters are made of steel, and run in *three bearings*. They are consequently very stiff, and prevent the knives from springing away from the shear-bar when doing difficult work.

The **rollers** are fitted with the patent double-knuckle Rocking-Roller feed, by which it is almost impossible to choke a Hocking Valley Cutter, at the same time, the *double-knuckle* keeps the roller-gear wheels running true, no matter how obliquely the roller is thrown in feeding: no other rocking-roller cutter can use this device.

We furnish on all our Power Cutters one of the simplest and most effective **Safety Balance Wheels** that has ever been devised. It is so constructed that whenever the knives come in contact with any hard foreign substance they cannot cut, they will stop, while the Balance Wheel continues to revolve without running off the shaft. It is a most effectual safeguard against breakage.

We keep constantly in stock all the following sizes and cheerfully invite purchase, subject to approval:—

No. 9, heavy hand cutter, has three 9-inch knives and cuts easily and rapidly, material of all kinds, including fodder with the ears on. Length of cut $\frac{3}{8}$ in. and $\frac{7}{8}$ inch. Price.....\$30.00

No. 11, hand and power cutter, our most popular machine for general farm use: has four 11 inch knives, cuts either $\frac{1}{4}$, $\frac{1}{2}$ or 1 inch: capacity about 2000 lbs. of dry feed an hour. Our one-horse sweep power will run it to good capacity. Price.....\$45.00 With ensilage table....\$50.00

No. 13, hand or power cutter, desirable for large farms, length of cut $\frac{1}{4}$, $\frac{1}{2}$ and 1 inch. Average capacity 3000 lbs. of dry feed per hour. Our two-horse power will run it to good capacity.

Price.....\$60.00 With ensilage table....\$65.00

No. 15, power cutter. This is our most popular power cutter, and is specially recommended to large stock raisers, owners of silos, and for street car and livery use. Has four 15 inch knives, length of cut, $\frac{1}{4}$, $\frac{1}{2}$ and 1 inch. Its average capacity is 6000 lbs. of dry feed per hour. Our four-horse power will run it satisfactorily. Price.....\$75.00 With ensilage table.....\$82.50

HOCKING VALLEY CUTTERS —Continued.

No. 18, special ensilage cutter, is of sufficient capacity to satisfy the most exacting. Specially recommended for any use where the object is to cut a great quantity in as short a time as possible. Has four 18 inch knives: length of cut $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch. Average capacity six tons of dry feed per hour. Our four-horse power will run it to good advantage, but we advise steam power, when best results are desired.

Price with ensilage table.....\$120.00

From these prices, we allow liberal Discount for Cash.

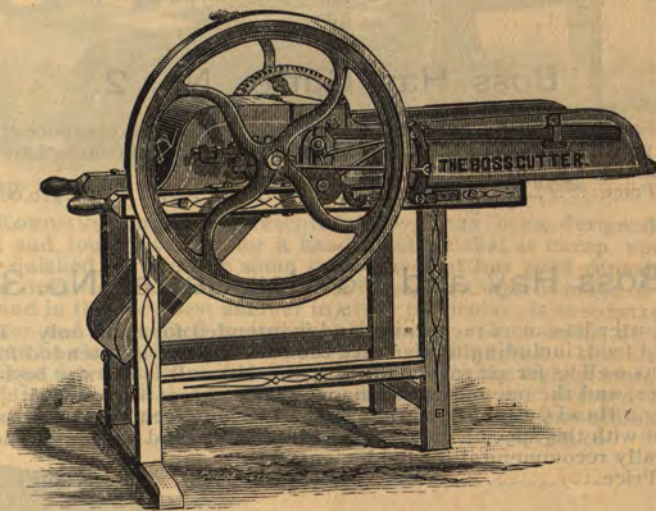
Carriers for Hocking Valley Feed Cutters.

A carrier on a Power Feed Cutter is a very great convenience to everyone, but to the owner of a Silo, a necessity.

Our carriers are combined angle and direct; that is, will feed front or to either side as desired, a feature charged extra for on other cutters. See cut on page 41.

Price, Combined angle and direct carrier, twelve feet long and under.....	\$32.00
Same for No. 18 cutter.....	36.00
Over twelve feet, add per foot.....	1.60
Same for No. 18 " " "	1.80

HOCKING VALLEY HAND CUTTERS.



THE "BOSS" CUTTERS.

Our experience in handling this fine cutter gives us every feeling of confidence in recommending it to our trade.

The principal feature which makes their use so satisfactory and gives them their popularity, is their *Intermittent Feed*. They are so constructed that the straw or fodder cut *stands still* while the the knife is passing the shear-bar and making the cut, and is moved forward in the interval while the knife is passing around for the next cut. This prevents any pressure of the material against the knife while the cut is being made. They have but one knife, but the peculiarity of construction mentioned above renders more unnecessary. They are geared so

BOSS CUTTERS.—Continued.

that the knife makes three revolutions to one round of the crank. They will cut any length from one-quarter of an inch to two inches, and the change in length can be made instantly, without any change of gearing. The knives are adjustable, so that after years of use they can be moved up to the shear-bar so as to make as clean a cut as when the machine was taken from the factory.

The following is the latest of many expressions we have had of the satisfactory work of these cutters.

Lutherville, Md., Dec. 26, 1891.

BALTIMORE FARM IMPLEMENT CO.

Gentlemen.—Received your letter asking for our opinion of the No. 3 Boss Cutter. We think there is nothing better; have used it for cutting green rye and corn, also cutting fodder with the corn on it. We could not wish anything better: it does its work well.

Very truly yours, N. W. COE & BRO.

By reason of their peculiar construction, the manufacturers are saved the expense of using more than one knife and accompanying castings: for this reason we believe there is no implement that offers the User such value for the money. We call special attention to the No. 3 as a general purpose cutter.

Boss Hay Cutter No. 2.

This is a Hand Cutter with an 8-inch knife. It is a size especially adapted for use in private stables in the city, for draymen, and for farmers who have only a few head of stock and need a limited quantity of feed.

Price.....\$20.00

Boss Hay and Fodder Cutter No. 3.

This Cutter has an 11-inch knife, and is intended for hand only. It will cut any kind of feed, including fodder with the ears on, and is intended for general farm use, as well as for private stables in the city. It is the size best suited for all purposes, and the one most in demand. It is a great favorite with everyone who wishes a Hand Cutter of good capacity and easy execution. It is constructed throughout with the special view of excelling any Hand Cutter in the market. We especially recommend it for fodder cutting.

Price.....\$25.00

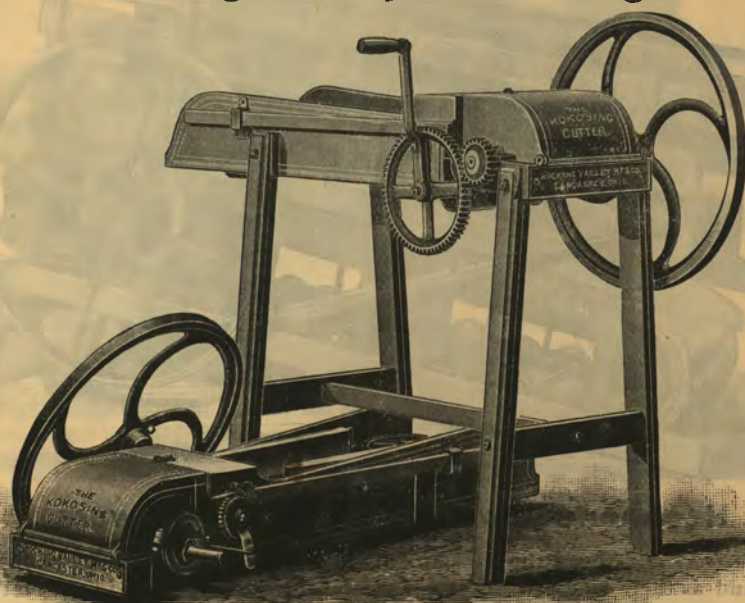
Boss Hand or Power Cutter No. 4.

This Cutter has a 13-inch knife, is furnished with both crank and pulley, and is intended for hand and power. In construction it is precisely similar to the two named above, only it is larger, and has greater capacity. It will cut any kind of feed, including corn stalks with the ears on. Our Style A One Horse Power will run it with ease.

Price, with 12-inch Pulley.....\$30.00
Discount for Cash.

HAND CUTTERS.—Continued.

The Hocking Valley Kokosing Cutter



READY TO SHIP

READY FOR WORK

THE KOKOSING CUTTER represented above has been designed to meet a general and long felt want for a hand machine that is cheap, strong, durable, well finished, and at the same time, one that has good capacity, a wide throat and does its work with ease. The Kokosing Cutter is made of very best material, and in the very best manner in every particular; is as substantial as a power cutter and is finished tastefully. It has an 11-inch knife, an automatic feed and can be changed in a moment to cut various lengths. It is always shipped "knocked down" as shown above. This reduces the freight more than one third, and is of especial advantage to dealers who are pressed for room, as a half dozen machines will not occupy more space than one ordinary cutter.

Price.....\$15.00



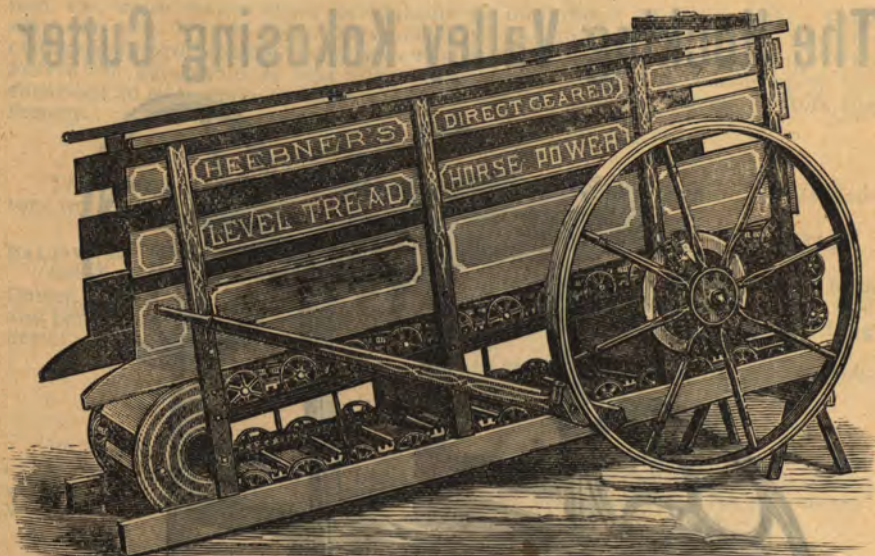
Lever Cutter.

Where the lowest priced cutter is wanted the

"Belle City" Lever is recommended.

Price.....\$4.50

HORSE POWERS.



Heebner's Lever Tread Horse Powers.

The *level lag* causes the horse to walk in his natural gait, prevents their slipping, and as their feet are always in a natural position, strains in the feet and legs are prevented. The horses need only be smooth shod or not shod at all, the expense of keeping them sharp shod to prevent slipping being avoided; in ordinary work they walk at a rate of only about $1\frac{1}{2}$ miles per hour. No other Horse Power is so simple in construction. Regular size of band wheel 4 feet 4 inches, and an extra size 4 feet 8 inches can be furnished if desired. Size of track wheel $5\frac{1}{2}$ inches.

Prices. One Horse Direct Geared Power with Speed Regulator, trestle and bridge weight 900 lbs. \$110.00

Two Horse Direct Geared Power 1600 lbs. " " " " " 145.00

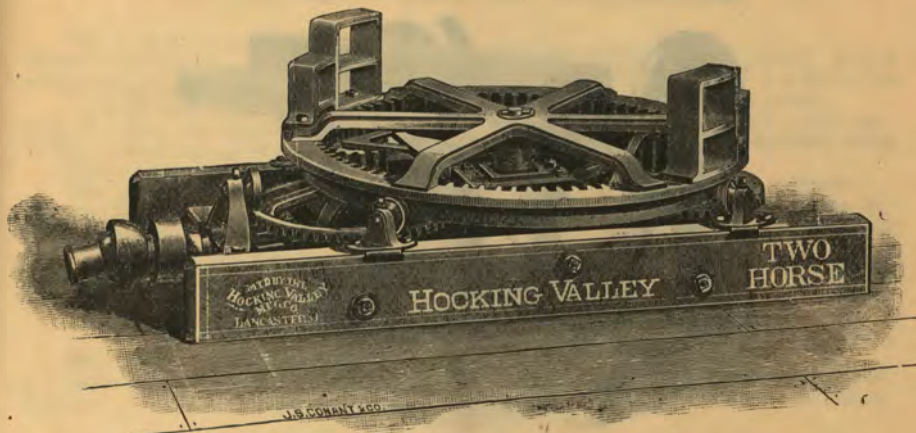
Three Horse Direct Geared Power 2975 lbs " " " " " 200.00

We can supply one-horse Common Tread Powers at \$85.00; two-horse at \$105.00.

"Sweep or Down Powers."

For this style we keep a full line of the Hocking Valley Powers; they are light running and durable. The Line Shaft extends through the whole length of the frame, so that the tumbling-rod can be attached to either end of it, a desirable feature, as with two tumbling-rods, two machines can be run at the same time, or the tumbling rod can be run in either direction.

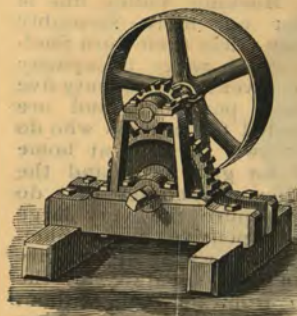
These Powers are so neatly, compactly and strongly built, that with proper care they can stand double the strain their names indicate.

SWEEP POWERS.—Continued.**PRICES, HOCKING VALLEY SWEEP POWERS.**

- 1 Horse Power with lever, lead pole, coupling and tumbling-rod complete... \$40.00
 2 Horse Power with 2 levers, lead poles, one coupling and tumbling-rod " 50.00
 4 Horse Power with 4 levers, lead poles, one coupling and tumbling-rod " 70.00

NOTE:—The tumbling-rod to the one and two horse powers makes 28 revolutions to one round of the horses or about 85 revolutions per minute. The four horse power's tumbling rod makes 39 revolutions per round or about 120 revolutions per minute.

We can furnish the style B powers, at a reduction of \$5.00 from above prices: where a slow feed is satisfactory, these powers are recommended.



SPUR JACK.

JACKS.

BEVEL JACK.



The Jack is required when either increased speed is wanted, or the location of power renders its use necessary.

The Hocking Valley Jacks are made in two sizes; one for use with one and two horse powers, the other for the four horse.

The latter are strong enough for any power up to ten horses.

The Spur Jack transmits motion at a right angle to the tumbling rod. The small size gives the band wheel $2\frac{1}{2}$ and large size $3\frac{1}{2}$ revolutions to one round of the tumbling rod.

The Bevel Jack transmits motion in a line with the tumbling rod, and gives the pulley three revolutions to one round of the tumbling rod. They are furnished with a 15 inch pulley, but will carry any size up to 24 inches.

They are strong, durable and nicely constructed.

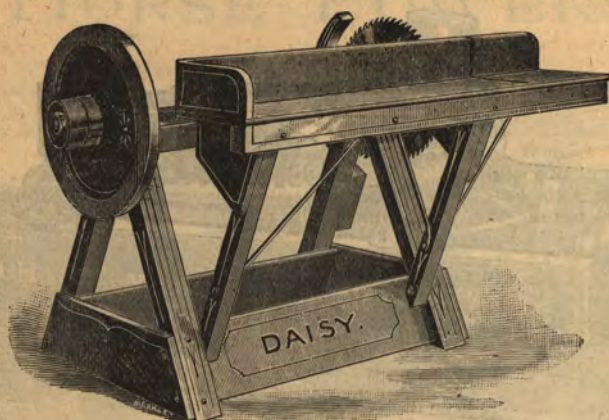
Price of one and two horse Spur Jacks.....\$12.00

" " " " " Bevel " 10.00

" " " " " Four horse " 12.00

" " " " " Spur " 15.00

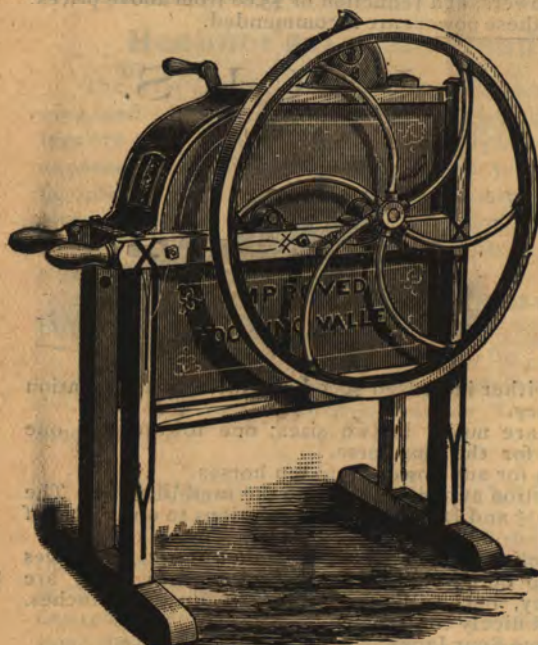
CIRCULAR SAWS.



Heebner's "Daisy" Saw with extended table. Well made, strong and durable. One Horse Power will drive it as fast as two men can handle the wood.

Price with 20 inch saw.....	\$35.00
" " 22 " "	37.00
" " 24 " "	38.50
With larger saws, per inch add	2.00

HOCKING VALLEY CORN SHELLERS.



No one implement of the fine Hocking Valley line is better nor more favorably known, than their Corn Shellers which range in capacity from twenty to seventy-five bushels per hour, and are intended for farmers who do their own shelling at home and for grist mills, and the smaller warehouses that do not require the very large and expensive power Shellers. They will shell perfectly clean and separate all the corn from the cob without injuring the grain or breaking the cob, whether the ears are large or small; such a thing as choking is unknown. Our Shellers are made of the best material throughout, the frames varnished and finished in the natural color of the wood, so that the quality of the lumber used is always open to inspection. The castings are made of the best grade of charcoal iron, making repairs from breakage

very seldom if ever necessary. All Shellers are corn-and-cob separators: when desired, fan and feed-table can be furnished. No. 1, one hole sheller plain, has a capacity of 30 bushels per hour, price \$10.00: With fan... \$11.00.

Add for feed table.....60 cents.

CORN SHELLERS.—Continued.

No. 2, is a two hole Sheller and is intended for either hand or power. It is a Hand Feed Sheller, with a capacity of forty bushels per hour, and is admirably adapted for use in grist mills and for farmers who are supplied with power.

It is always furnished with a Crank, Pulley, Fan and Feed table. Cob carrier is extra, but can be had when wanted; also furnished, when desired, with either a Sacking or Wagon Box Elevator.

Price, with crank, pulley, fan and feed-table.....\$20.00

No. 3, is a two hole Sheller, capacity 60 to 75 bushels per hour. Can be run by either horse or steam power; a two horse sweep power runs it to good capacity.

Price, with Feed Hopper and Pulley.....\$50.00

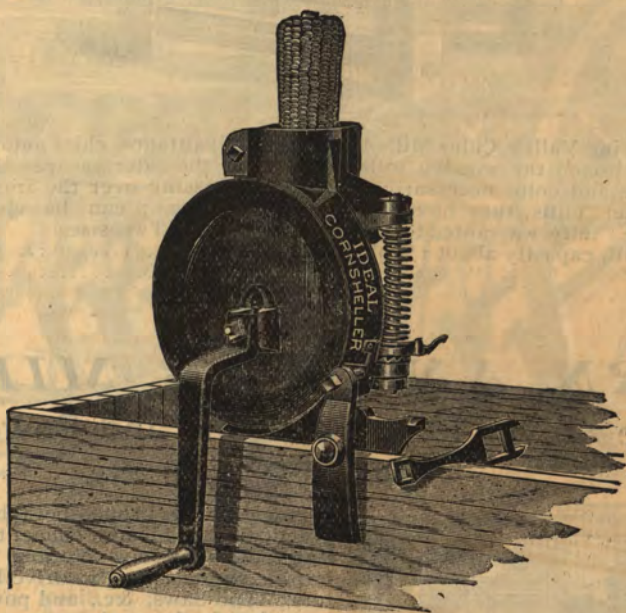
" of Wagon Box Elevator..... 20.00

" of Double Sacking Elevator..... 15.00

" of Cob Stacker..... 8.00

10 per cent discount from Sheller prices, for cash.

We invite correspondence with those contemplating the purchase of 4, 6 and 8 hole Shellers. Can supply the most desirable machines at lowest prices.

Ideal Corn Sheller..

THE IDEAL CORN SHELLER is cheap, simple and effective.

There is no time lost after you are through shelling by picking the cobs out of the shelled corn, as the machine takes the corn all off the cob, drops the corn in the box or basket, takes the cob on around and throws it off at the back.

By a little practice with it, you can easily shell one bushel of ears in about 4 minutes. The sheller is small, but will do as much work as many large machines.

The spring can be adjusted to any tension required and can be loosened when not in use, thus avoiding any chance of its giving out.

We especially recommend it to those who shell for poultry only.

Price.....\$3.00

SEEDING MACHINES.

pinions and requires no slides or travelers to keep it in mesh—the strain and wear is equally distributed; runs with the least amount of friction; is mounted upon a triangular frame made of hard wood, anchored by means of three stakes bolted thereto. The machine is fully warranted.

Every farmer should use ground feed: can't afford to feed grain whole or divide his grist with the miller, especially while prices are high. Remember there is a saving of about $33\frac{1}{3}$ per cent. in feeding ground-feed over unground. A few hundred bushels fed out if ground, more than pays for an Ideal mill.

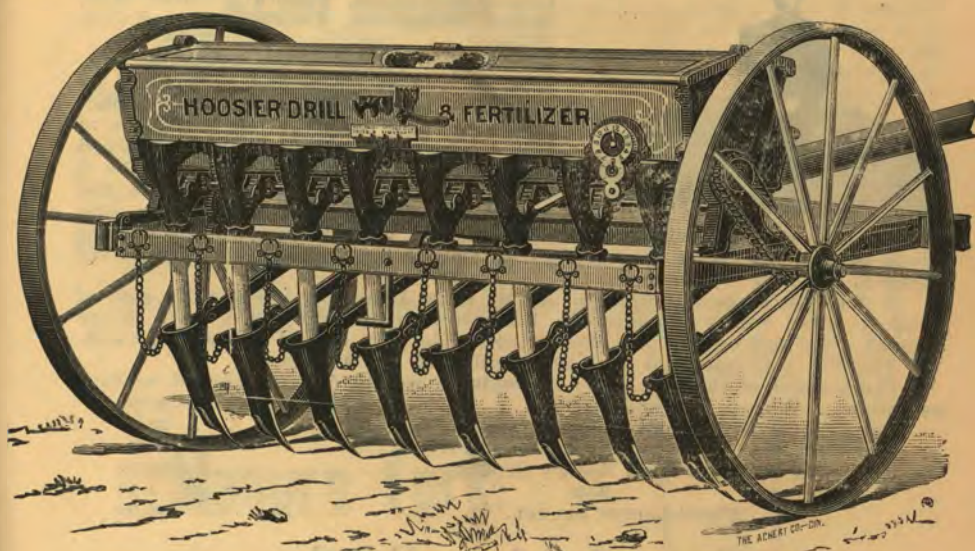
Ideal Mill and Power Combined.....\$65.00

add for Corn and Cob attachment.....10.00

Ideal Corn and Cob-crushing sweep mill only.....31.00

" Duplex belt-power mills from \$35.00 to \$75.00, will grind all kinds of grain, corn shelled or on the cob.

Grain Drill.



THE "HOOSIER" GRAIN, GRASS AND FERTILIZER DRILL.

The Hoosier has been sold from our house since 1880, and its own record is its best endorser. While its seeding arrangement is perfect, being an absolutely positive force-feed, requiring no change of gear wheels to vary quantity, which is simply done by moving a lever conveniently at hand,—which in turn moves the feed-rolls, followers and indicator points, gauging the distribution of seed to a nicety (this applies also to the grass seeder); we more especially call attention to its capacity and reputation as a fertilizer drill. Its flat-disc-plate feed is being acknowledged the one practical principle by other manufacturers, several of whom, have in the last few years placed it on their drills. This gearing is absolutely positive, the plate by which the fertilizer is thrown out being geared into by a cog-wheel driven by a chain-wheel attaching to the feed-rod, and which chain-wheel is driven directly from the axle. An agitator is constantly loosening the fertilizer, and clearing the dis-

SEEDING MACHINES.—Continued.

charge openings, where gates regulate the quantity, manipulated simultaneously by a lever which in turn has a device for indicating number of pounds being sown: a surveyor shows the amount of ground traversed. One movement of the lever throws the fertilizer out of gear, and raising the rear rail has the same effect on the grain and grass seed attachments. The complete regulating devices are the simplest imaginable. We willingly put this machine out on approval where it is unknown, warranting it the simplest, most effective and convenient drill offered.

Price, 8 hoe pin brake fertilizer, grain and grass seed drill.....	\$70.00
“ 9 “ “ “ “ “ “ “	75.00
“ 10 “ “ “ “ “ “ “ “	80.00
add for spring-hoe.....	4.00

Broad=Cast Hand Seeder.



The South Bend Seeders will sow broadcast Wheat, Oats, Blue and Orchard Grass, Buckwheat, Timothy, Clover, Rye, Millet, Hungarian, Land-Plaster and Fertilizer.

No. 2, is a light and durable machine. It is carried in front and weighs but six pounds. The sack will hold a half bushel. The seed scale is on the left hand side of box to regulate opening for any desired amount; the distributor is operated by a crank wheel on side, driving it in one direction; it is a regular easy motion, one

turn of the crank at every step. This machine we will guarantee to sow all kinds of seed broad-cast in a perfect and satisfactory manner—it will never throw to one side or bunch it.

It does not throw the seed in the air to be drifted by every little gust of wind, as other rotary machines do, but throws it directly and evenly to the ground. We look on this machine as being the very best of its class on earth.

The No. 3, is operated by a Bow; will hold half-a-bushel.

The breadth of the cast, which depends on weight of seed, should average as follows: Wheat, Rye and Barley.....30 ft.

Oats, Clover, Millet and Hungarian.....	22 ft.
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Timothy	16 ft.
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Price, No. 2, South-Bend Rotary Seeder.....	\$3.50
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3,	Bow	2.50
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Wheel-barrow Seeder.....	10.00
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Strowbridge Seeder



Is the **Standard Wagon-end Seeder.** Can be readily attached to any cart or wagon; driven by a chain and wheel fastened to spokes.

The Improved Strow-bridge sows perfectly all grain, grass seeds, plaster, salts, ashes, all the dryer phosphates and fertilizers; in fact, everything requiring broad-casting, any desired quantity per acre better and faster than any other method. It is a complete success as a sower of Clover, timothy, and other seeds that are

SEEDING MACHINES.—Continued.

difficult to handle in any other way.

For lime, plaster and salt, the **Improved Strowbridge** is the only machine that does satisfactory work in sowing or scattering it broadcast over the field.

Good seeding is of absolute importance to a good crop. As the crop depends more largely on the seed and seeding than on other elements, it is of the utmost importance to every farmer, if he wishes to save *time, labor and money*, that he should have the **Improved Strowbridge** on his farm; he will find a greater saving by its use over the old manner of sowing than there is by using the harvesting machines over the old cradle and sickle.

Price.....\$18.00

Kemp Manure Spreader.

IMPROVED KEMP MANURE SPREADER



Spreads all kinds of manure about the farm, discharging a load of manure in a minute and one-half to three minutes, thoroughly covering the soil with finely pulverized manure, doing the work of ten men. The chief merit of the machine is not so much in the labor saved as in the benefit derived from the thorough pulverization and even distribution of the manure.

This Spreader is well known among many of our farmers, having been sold by us for some years. Thoroughly guaranteed.

Style 1, on two wheels, capacity 30 bushels.....\$85.00

2, " four " " 40 "110.00

Latter includes double and singletrees, neck-yoke etc.

Manure Fork.

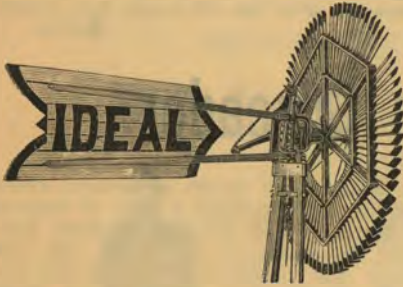
This is one of the most serviceable, economical, and indispensable tools on a farm. It will do the work of six men in cleaning out a barnyard. Is made strong and works easily.

Price.....\$6.50



GENERAL MACHINERY.

The Stover "Ideal" and "Junior" WIND MILLS.



Both Wood and Steel; ungeared, or geared for power purposes.

The special features are more fully set forth in our larger circular, which we shall be pleased to mail to any one desiring to investigate the makeup and adaptations of the Ideal Wind Mill.

THE "JUNIOR."

Is a Sectional Wheel **Vaneless** Wind Mill; is constructed in the simplest form known to wheels of this class. We call attention to the extremely moderate price, at which we furnish these mills, with tower complete.

Price.....\$55.00.



Its advantages over the Vane Mill lies in the lessened liability of accidents in wind-storms. Thoroughly guaranteed.

We keep in stock a full and complete line of these Mills, Towers, Tanks, Pumps etc., and cordially invite correspondence.

**FARM BELLS.**

Every bell is made of a mixture of iron and steel; are of excellent tone, finished in best manner.

No.	Diameter inches	Weight complete	Price complete	Price without frame
A	12	40 lbs	\$ 2.50	\$ 2.00
B	15	60 "	3.50	3.00
C	18	80 "	5.00	4.25
D	20	105 "	6.50	5.75
E	23	160 "	10.00	9.00
F	25	215 "	13.00	12.00

THE BENNETT

Stump Puller and Rock Extractor.

A most powerful
effective tool;
lift 20



erful and
one man can
Tons.

The farmer cannot afford to lose the use of the land occupied by stumps, nor can the improved implements be worked to advantage in such land. The "Bennett" is in every way guaranteed to do all that can be expected of a puller.

Prices given are for complete machines, including 12 ft. derrick, root chain, and everything not mentioned as extras; but the extras are almost indispensable and should always be ordered

No. 1	Baby Giant, 9 in.		\$15. 00
" 1	Machine, 15 in. wheel, all complete.		35.00
" 2	" 8 in. " "		40.00
" 3	" 20 in. " "		45.00
" 4	" 23 in. " "		50.00
" 5	" 26 in. " "		70.00

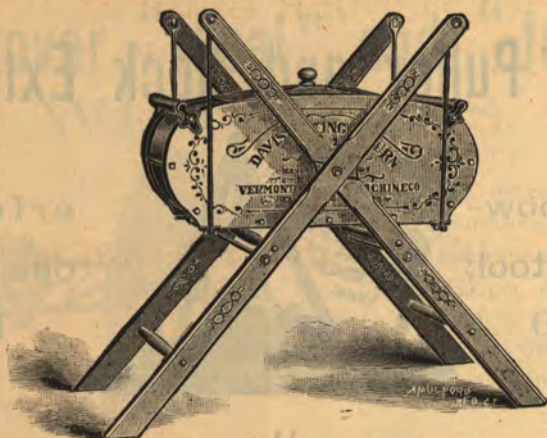
EXTRAS.

Grab Hooks, (Iron) either size		\$7.00
Root cutter		1.50
Crow Bar		.50



THE OLD WAY.

CREAMERY SUPPLIES.



THE "DAVIS SWING" CHURN.

One of the chief essentials of making good butter is a good churn, and the demand for a better grade of butter in these times of low prices has called attention to the fact that the quality of the article depends very much upon the churn in which it is made. It is now conceded that floats and paddles inside a churn box are sure to injure the grain of the butter. The cream is whipped and beaten and threshed about until the firm texture of the butter is destroyed. The best dairymen are throwing aside such churns as fast as possible, and now the inquiry is for a simple, cheap churn, which will bring the butter by simply moving the mass, the particles of cream coming in contact with each other only. The Davis Swing Churn meets this want.

It has no floats or paddles inside. The cover is always on top. There is no danger of the cover coming off and letting the cream all on the floor, as is frequently the case with the revolving churns, losing more at one time than the cost of a churn. It requires less effort to work than any other. It is like a pendulum—start it, and it will almost swing itself.

The butter comes in beautiful granules, in the most desirable form for washing with cold water or brine.

Outside of the much better grade of butter acquired, the ease of churning and cleaning, as compared with the laborious work of the paddle churn, should be sufficient to prove the desirability of the Davis Swing Churn.

We have perfect confidence in its capacity for taking care of itself, and cheerfully agree to send it out to any responsible person on approval.

Price,	No. 1,	capacity	8 gal.,	will churn	4 gal.,	or less,	\$	7.00
"	"	2,	"	10	"	5	"	8.00
"	"	3,	"	16	"	8	"	10.00
"	"	4,	"	20	"	10	"	12.00
"	"	5,	"	26	"	13	"	15.00
"	"	6,	"	34	"	17	"	18.00
"	"	7,	"	60	"	30	"	25.00

Can furnish sizes up to 300 gal. capacity, churning 150 gal. or less. Prices and information regarding attachments for horse-power etc., furnished on application.

CREAMERY SUPPLIES.—Continued.**CYLINDER CHURNS.**

No. 1, 2 $\frac{3}{4}$ gal. capacity.....	\$2.50
" 2, 4 "	3.00
" 3, 7 "	3.50
" 4, 10 $\frac{1}{2}$ "	4.00
" 5, 15 "	4.50

REID'S DAIRY SUPPLIES.

Self-gauging print.....	\$10.00
Plain " Round, 25 cts. each and up.	
" " Square, 60 and \$1.00 each and up.	

BUTTER WORKER.

No. 3, capacity 20 lbs., weight 25 lbs.....	\$ 7.00
" 1, " 50 " " 45 "	10.00
Shipping-boxes,.....	\$3.50 to \$6.00
Butter-paddle, 10 cents. Ladle 15 cents.	

**MINNICH
HAY PRESS.**

We can recommend the Minnich hand power press, having the best reports from those in operation. It is well constructed, and easily handled.

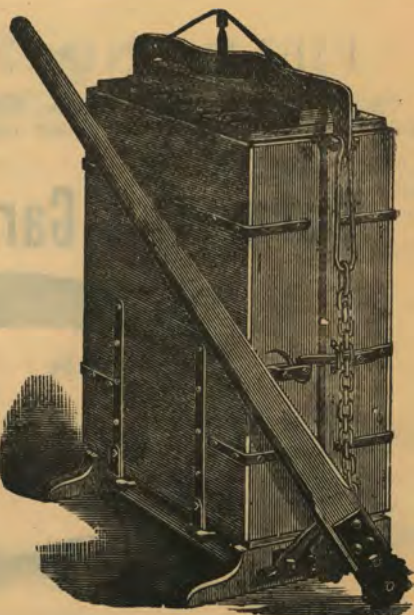
Price, No. 1.	\$75.00
" " 2.....	70.00
" " 3.....	65.00

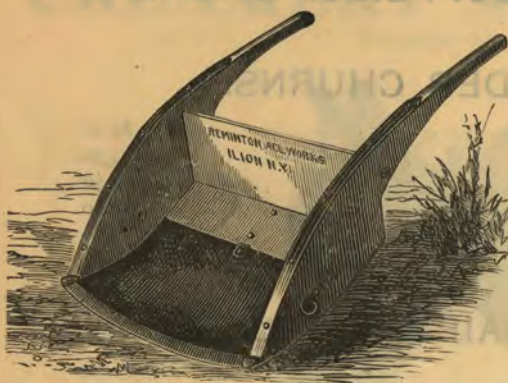
No. 1 makes a bale of hay 44x26x24 inch, weight 150 to 200 lbs.

No. 2 makes a bale of hay 54x24x22inch, weight 125 to 150 lbs.

No. 3 makes a bale of hay 42x18x20 inch, weight 100 to 125.

We are Agents for the FAMOUS DEDERICK line of power presses, and take pleasure in quoting prices upon application.





ROAD "SCRAPERS

IRON AND STEEL.

	iron-scraper.....	\$5.50
1 horse		
1 "	all-steel "	6.50
2 "	" " "	7.50
2 "	iron "	6.50
2 "	wood-frame, steel point.....	5.50

Bee Keepers' Supplies.

Dovetailed Hives, Queens, Bees, Feeders, Sections, Comb-foundations, Brood-frames, Section-holders or Supers, Extractors, etc.

Write for prices. Aside from the pecuniary advantages of producing honey for the market, bees are an important adjunct of the farm, as in their forage for honey they carry pollen from flower to flower and thus fertilizing them, insures a bountiful crop. The more bees in a locality the greater certainty of a rich harvest.

FIELD AND GARDEN SEEDS.

Choice Western Clover, Timothy, Red Top, Orchard, Herds', Kentucky Blue-grass and Lawn Seeds; also choice Garden Seeds, etc., at market prices.

Farm and Garden Hardware.



Scythes, American.....	65 and 75 cents.
" English Waldron.....	\$1.25
Snath or handle.....	50 and 75 cents.
Brambling Scythes.....	75 cents.
Scythe Stones.....	5, 10 and 20 cents.



Briar Hook with Axle Handle....\$1.50

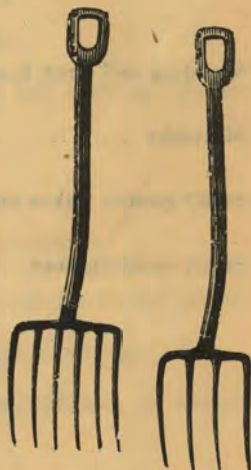
Socket Briar Hook, with cutter...\$1.50
" " " without " ... 1.25

FARM AND GARDEN HARDWARE.—Continued.

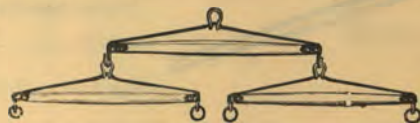
2, 3, 4, 6 and 7 tined long and short handle forks, from 60[¢] cents to \$1.00.

We call especial attention to The Bridges Patent Combination Loop Ferrule Forks, used on all styles, including Hay, Manure, Spading, Sluice, Tanners, Coke, Charcoal, Coal, Oyster, Turnips or Beet and Spall or Ballast.

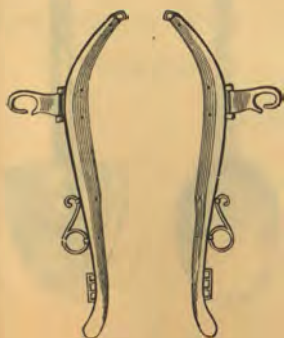
The manner of bridling or looping the Fork on the handle is superior to any device ever adopted, making, as it were, the head-bar of the Fork to rest in a mortise, thus preventing the Fork from getting loose in the handle. This Fork also contains a shank which extends into the handle, and through the same is a rivet, thus giving double strength and durability.



SINGLE AND DOUBLETREES IRONED COMPLETE.



Singletrees.....	each, 25 to 75 cents.
Doubletrees.....	each, \$1.00 to \$1.50
Set Double and Singletrees	\$3.00
“ “ “ Iron “	2.75



HAMES.

Hewed Hames.....	per pair 60 cents.
Sawed “	per pair 30 and 50 cents.
Hame Strings.....	10 cents.
Cotton Back-bands and Hooks each.....	15 cents.
Double-stitched Canvass Back-bands with Patent Hooks each.....	60 cents.

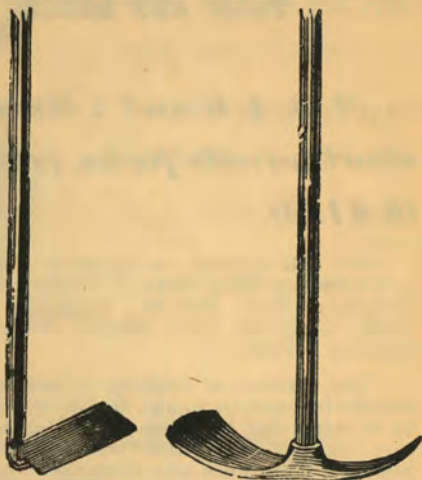
FARM AND GARDEN HARDWARE.—Continued.

Weeding and Grub hoes from 35 cts. up.

Mattocks\$1.25

Small garden Rakes and hoes.....15 cts.

Small weeding hoes.....40 cts.



Long-handled lever tree-trimmer, 4 feet..... \$1.25

Long-handled lever tree-trimmer 8 feet..... \$1.50

Long-handled lever tree-trimmer 10 feet..... \$2.00

Short-handled lopping-shears.....\$1.25 to \$4.00



Long and Short handle, Round and Square Point Shovels and Spades.



Wagon Jacks, 1.50 to \$4.00

Wire Lawn-Rakes, 50 to 75 cents.

Wire-braced leaf-rakes 35 cents.

Wooden Rakes, 20 cents.

"Lightning hay-knives," \$1.00

Hedge-Shears, from \$1.50 to \$2.00

Sheep-Shears, 75 cents.

Sheep-Labels, prices according to quantity.

Grind-Stones, mounted. \$3.50, \$4.00 and \$4.50

Watering-Pots, 50 cents up.

Grass-Hooks, 40 cents

Axes with and without handles, 75 cents up.

Post-hole Diggers \$1.00

Horse-Radish Graters, \$6.50 and \$7.50

Wire Cutters, \$1.25

Horse-Muzzles, 12 cents

Axle-grease, per box, 10 cents.

Axle-grease per bucket, \$1.00

Currycomb, 20 cents and up.

Brushes, 50 cents and up.

Whitewash brushes, 15 cents

Cow Bells, 15 cents.

Trace-Chains, 50 cents.

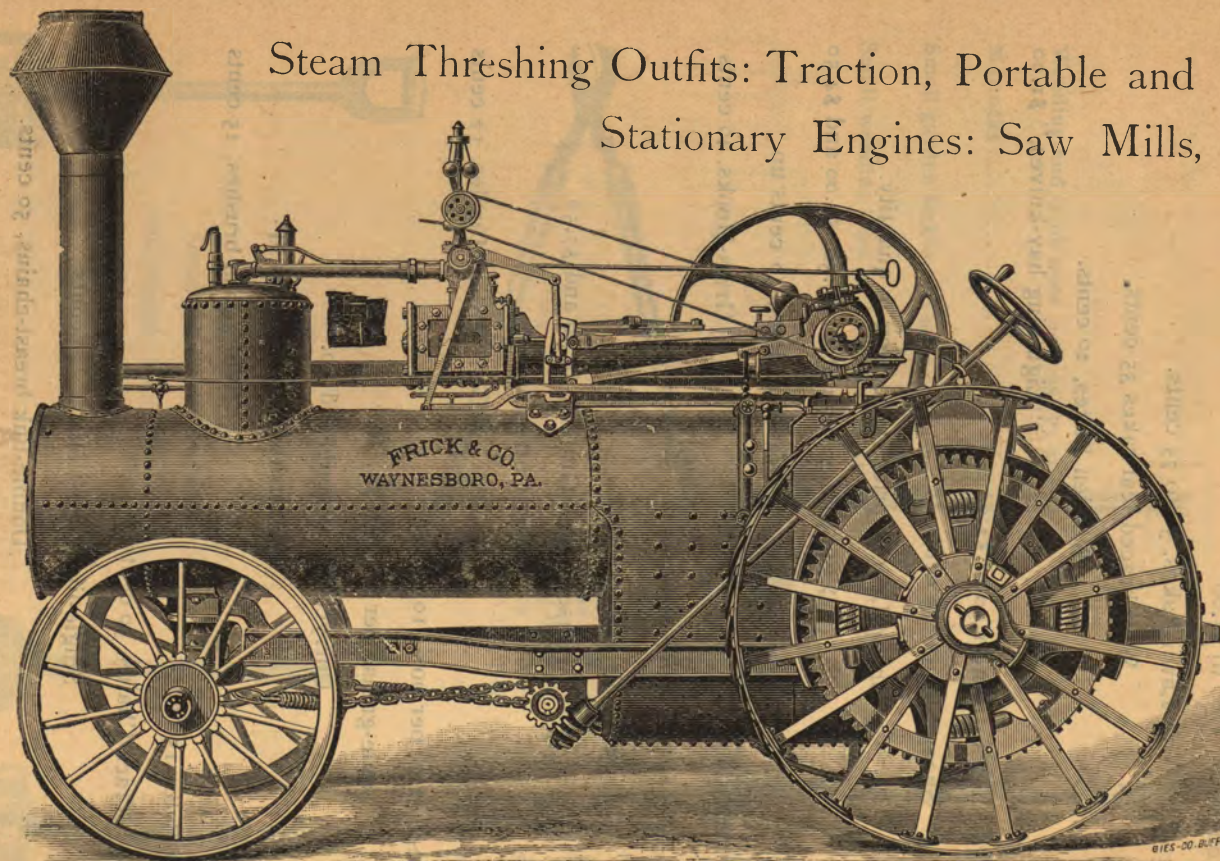
Single-link breast chains, 40 cents.

Double-link breast-chains, 50 cents.

Plow lines, Cotton and Hemp,

Paris Green, etc. etc. etc.

Steam Threshing Outfits: Traction, Portable and
Stationary Engines: Saw Mills, etc.



61ES-20-BUFFD.N.Y.

FULL LINE OF HEAVY MACHINERY.**Engines and Threshers.**

The Frick and Stevens' Line of Stationary,
Portable and Traction Engines, and
Threshers.

Butterworth Rye Threshers,
Birdsalt Clover Hullers.

Saw and Grist Mills.

Heavy Farm Machinery in General.

We keep in stock a line of the above Machines
and are in position to quote bottom
prices on the above Standard
makes.

Correspondence Cordially Solicited.

BALTIMORE FARM IMPLEMENT CO.

209 South Charles Street,

BALTIMORE, MD.

Carry the Finest and most Complete Line of

FARM MACHINERY

in the State. Favor us with a call.

ERRATA.

Bottom of Page 11.—

CHAMPION LEVER FLOAT HARROW.

Should read.—15 tooth, instead of 14 or 16.

17 “ “ “ 18.

19 “ “ “ 20.

Sizes of Wheeled Harrows correct as there stated.

J. S. RAWLINGS.

ESTABLISHED IN 1864.

R. D. HOPKINS.

J. S. RAWLINGS & CO.
COMMISSION MERCHANTS,
No. 305 South Charles Street,
BALTIMORE, MD.

Special Attention given to the Sale of

Tobacco, Grain, Wool, Stock Etc.

Seeds, Fertilizers, Groceries, Etc., supplied to our
 Customers at Lowest Market Prices.

Consignments and Orders for Supplies Solicited.

MANUFACTURERS OF THE

Standard Tobacco Fertilizer.....Price per ton \$40.00

“ Home Fertilizer, 560 pounds..... “ “ “ 12.00

Average Quantity of Seed Sown to an Acre.

Asparagus.....	5 lbs.	Melon Water.....	2 to 3 lbs.
Barley, broadcast.....	2 to 3 bush.	Mustard, broadcast.....	12 to 16 qts.
Beans, dwarf in drills.....	1½ bush.	Mangold Wurzel.....	8 lbs.
Beans, pole, in hills.....	8 to 10 qts.	Oats, broadcast.....	2 to 3 bush.
Beet, in drills.....	4 to 5 lbs.	Onion, in drills.....	5 to 6 lbs.
Broom Corn, in hills.....	4 to 6 qts.	Onion seeds for small sets.....	40 to 60 lbs.
Buckwheat, broadcast.....	¼ bush.	Parsnip, in drills.....	4 to 5 lbs.
Carrot, in drills.....	2 to 3 lbs.	Peas, Early, in drills.....	1 bush.
Corn, in hills.....	6 qts.	Peas, Marrowfat, in drills.....	1¼ bush.
Corn, for soiling.....	3 bush.	Peas, broadcast.....	3 bush.
Clover, Alsike.....	10 lbs.	Potato, cut tubers, in drills.....	8 bush.
Clover, red, alone.....	15 lbs.	Radish, in drills.....	6 to 8 lbs.
Clover, red, with Timothy and Red Top.....	10 lbs.	Radish, broadcast.....	10 lbs.
Clover, white, alone.....	8 to 10 lbs.	Rye, broadcast.....	1 bush.
Clover, white, with other seeds.....	4 lbs.	Salsify, in drills.....	6 to 8 lbs.
Clover, Scarlet.....	12 lbs.	Sorghum.....	10 to 12 lbs.
Clover, Lucerne, alone.....	15 lbs.	Sainfoin, broadcast.....	1 to 3 bush.
Cucumber, in hills.....	2 lbs.	Spinach, in drills.....	12 to 15 lbs.
Celery, to transplant.....	½ lb.	Sage, in drills.....	8 to 10 lbs.
Cabbage, in beds to transplant.....	¼ lb.	Squash, (bush varieties), in hills.....	4 to 6 lbs.
Flax, broadcast.....	1 to 2 bush.	“ (running varieties), in hills.....	3 to 4 lbs.
Grass, Blue, alone.....	28 lbs.	Turnip, in drills.....	1 lb.
“ Hungarian.....	1 bush.	Turnip, broadcast.....	1 lb.
“ Lawn.....	3 to 4 bush.	Tomato, to transplant.....	¼ lb.
“ Orchard.....	28 lbs.	Vetches, broadcast.....	2 to 3 bush.
“ Red Top.....	28 lbs.	Wheat, broadcast.....	1½ to 2 bush.
“ Rye.....	1 bush.	Wheat, in drills.....	1 bush.
“ R. I. Bent.,.....	3 bush.	Clover, } together { 10 lbs. Clover.	
“ Timothy.....	¼ bush.	Timothy, } for { ¼ bu. Timothy.	
Hemp.....	1½ bush.	Red Top } one acre { 1 bu. Red Top.	
Kale.....	4 to 6 lbs.		
Millet.....	1 bush.		

Quantity of Seeds Required of a Given Number of Plants, Number of Hills or Length of Drills.

Asparagus.....	1 oz. to 50 ft. drill.	Pole Beans.....	1 qt. to 150 hills.
Beet.....	1 oz. to 50 ft. “	Corn.....	1 qt. to 200 “
Carrot.....	1 oz. to 150 ft. “	Cucumber.....	1 oz. to 50 “
Endive.....	1 oz. to 150 ft. “	Watermelon.....	1 oz. to 30 “
Okra.....	1 oz. to 40 ft. “	Muskmelon.....	1 oz. to 60 “
Onion.....	1 oz. to 100 ft. “	Pumpkin.....	1 oz. to 40 “
Onion, sets small.....	1 qt. to 20 ft. “	Early Squash.....	1 oz. to 50 “
Parsley.....	1 oz. to 150 ft. “	Marrow Squash.....	1 oz. to 16 “
Parsnip.....	1 oz. to 200 ft. “	Cabbage.....	1 oz. to 2000 plants.
Radish.....	1 oz. to 100 ft. “	Cauliflower.....	1 oz. to 2000 “
Salsify.....	1 oz. to 70 ft. “	Celery.....	1 oz. to 3000 “
Spinach.....	1 oz. to 100 ft. “	Egg Plant.....	1 oz. to 1000 “
Turnip.....	1 oz. to 150 ft. “	Lettuce.....	1 oz. to 3000 “
Peas.....	1 qt. to 100 ft. “	Pepper.....	1 oz. to 1000 “
Dwarf Beans.....	1 qt. to 100 ft. “	Tomato.....	1 oz. to 1500 “
Leek.....	1 oz. to 100 ft. “		

