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CHAS. H. CHILDS & CO.

UTICA, N. Y.

OFFICE AND SALESROOMS,

12 TO 18 FAYETTE STREET.

1422
1250
CHAS. H. CHILDS & CO.,

MANUFACTURERS



—AND WHOLESALE—

—OF—



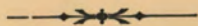
Agricultural • Implements,



HARDWARE SPECIALTIES,

Wagons, Carriages, Buggies, Road Carts,

CUTTERS, SLEIGHS, HARNESS.



OFFICE AND SALESROOMS:

12, 14, 16, and 18 Fayette Street,

UTICA, N. Y.

CHILD & SON

PRINTERS

UTICA, N. Y.

L. C. CHILDS & SON, PRINTERS,
UTICA, N. Y.

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❖ To The Trade. ❖

WE are pleased to call attention to the following pages, showing a large portion of our line of Agricultural Implements and Specialties, which we are prepared to furnish at the most favorable prices and terms.

Special Discounts are made from "List" prices in this Catalogue, according to kind of goods. All goods **Warranted** as represented, and guaranteed in perfect condition at point of shipment. Consignee must assume all risk and responsibility of goods in transit.

To avoid any misunderstanding or dissatisfaction, we desire all orders given our salesmen, to be in writing, prices, terms and conditions fully explained. **Having such a large variety of goods, we must refuse to recognize claims, of any kind, for verbal promises made by any one in our employ.** For boxes and packages we charge only actual amount to cover cost to us.

In making out orders, please be particular to send clear directions for marking and forwarding the goods. All checks, drafts and notes to be made payable to our order.

All orders and communications will receive prompt and careful attention.

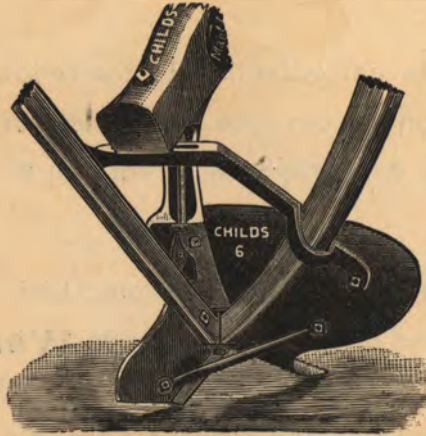
Very respectfully,

CHAS. H. CHILDS & CO.

The Childs Perfect Chilled and Steel Plows.

BOTH RIGHT AND LEFT HAND.

Even Numbers Right Hand. - - - Odd Numbers Left Hand.



REAR VIEW OF PLOW.

SHOWING Steel King Bolt down through Beam into standard, and how thoroughly the mouldboard is braced to prevent possible breaking.

We are pleased to inform our customers and the trade in general, that in the **Childs** we have the **most Perfect Working Plow** there is on the market. We have put out a large number and have yet to hear of a **single complaint** in regard to their **working**.

The **Childs** Plows are thoroughly **BRACED**, the mouldboards having a firm bearing, which avoids breakage, a serious fault with most Chilled Plows. (*See cut above, showing braces.*)

The Childs Plows are so constructed that either a chilled or steel mouldboard can be used on the same plow, which is a great advantage.

The Childs Plows are finely finished, and are superior in every respect.

The Childs Plows have common, deep suck or stoney shares and are warranted in every particular.

DIRECTIONS.

If the plow takes too much or too little land, adjust the beam or clevis. Whenever necessary to adjust the beam, change the wheel so it will be in line with the landside.

The Jointer or Coulter should be set in line with the landside, or slightly outside of it, and the Jointer should cut from $1\frac{1}{2}$ to 2 inches deep.

Use the clevis as low as possible and obtain the desired depth. In very hard ground the traces should be lengthened or an extra ring added instead of raising the clevis, which on any plow has a tendency to increase the draft, and causes the point to wear faster.



Large Size Two-Horse or Light Three-Horse Plow.

RIGHT HAND.

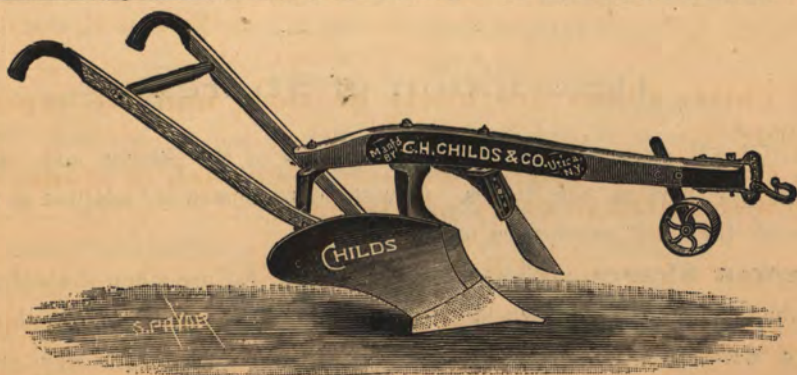
SHOWING JOINTER.



Medium Size Two-Horse Plow.

RIGHT HAND.

SHOWING JOINTER.



Medium Size Two-Horse Plow.

RIGHT HAND.

SHOWING COULTER.



Vineyard or Garden Plow.---Right Hand.

ONE HORSE.

Description of Plows.

ALL Childs Plows are "General purpose" plows, working equally as well in sod or stubble.

				Depth.	FURROW.	Width.
No. 6—Two or three horse,	-	-	-	5 to 9 in.		13 to 15 in.
No. 8—Two horse,	-	-	-	5 to 8 in.		12 to 14 in.
No. 10—Medium two horse,	-	-	-	4 to 7 in.		11 to 13 in.
No. 12—Light two horse,	-	-	-	4 to 6 in.		10 to 12 in.
No. 16—One horse,	-	-	-	3 to 5 in.		8 to 10 in.

Nos. 6, 8, 10 and 12 are fitted with Chilled or Steel Mouldboards of the finest quality, as desired.

All parts of Nos. 6 and 8 Plows interchange; all parts of Nos. 10 and 12 Plows interchange.

Description of Shares.

PARTICULAR attention is called to the names of the Shares, and also to the manner of marking the Shares. Our standard Shares are adapted to the entire range of work they will be required to do.

Common Shares, marked "C," are intended for use when the soil is in good plowing condition, as in spring work.

Deep Suction Shares, marked "DS," are intended for dry ground, or when the "C" Shares do not run deep enough.

Short Shares, marked "S," are for use in very hard, baked soil, or in stony land, where the "DS" Shares will not run deep enough.

PRICE LIST

— { OF } —

Childs Plows and Extras---Right Hand.

PLOWS.

Furnished with either Chilled or Steel Mouldboards, except No. 16.

Clevis, Wrench and extra Share are included in prices of plows.

No. 6—With Chilled Mouldboard.....	\$9 50
No. 8— “ “ “	9 50
No. 10— “ “ “	9 00
No. 12— “ “ “	9 00
No. 16— “ “ “ only.....	7 00

Nos. 6, 8, 10 and 12 with Steel Mouldboard,

VERY BEST QUALITY in place of Chilled,

Extra..... 2 50

WHEELS.

Complete.....	\$1 00
Standard.....	50
Wheel only.....	50

JOINTERS.

Chilled, complete, with holder.....	\$2 00
Holder, Malleable.....	1 00
Standard “	75
Mouldboard, Chilled.....	50
Points.....	20

COULTERS.

Complete, with holder.....	\$2 00
Holder, same as for Jointer.....	1 00
Blade, steel.....	1 00

MOULDBOARDS.

No. 6—Chilled.....	\$3 00
No. 8— “	3 00
No. 10— “	2 75
No. 12— “	2 75
No. 16— “	2 25
Nos. 6 and 8, 10 and 12, STEEL, extra,	\$2.50

STANDARDS.

Nos. 6 and 8.....	\$3 00
Nos. 10 and 12.....	2 75
No. 16.....	2 25

LANDSIDES.

Nos. 6, 8, 10 and 12, Chilled.....	\$0 75
No. 16— “	65

SHARES.

Nos. 6, 8, 10 and 12, Cast.....	\$0 40
No. 16— “	35

SHIN PIECES.

Nos. 6, 8, 10 and 12.....	\$0 25
No. 16.....	20

CLEVISES.

Nos. 6, 8, 10 and 12.....	\$0 40
No. 16.....	30
Shackle.....	15
Hook.....	20

WRENCHES.

For Nos. 6, 8, 10 and 12.....	\$0 25
For No. 16.....	15

HANDLE BRACES.

Nos. 6, 8, 10 and 12.....	\$0 50
No. 16.....	30

HANDLES.

Nos. 6, 8, 10 and 12, per set, complete.....	\$1 25
No. 16— “ “	1 10
Single Handles, all numbers, each.....	50

BEAMS.

Nos. 6, 8, 10 and 12.....	\$1 25
No. 16.....	1 00

BOLTS.

For Shares, Mouldboards, Landsides, } Jointer and Coultter Holder, each.....	\$0 05
For Main Standard.....	15



Large Size Two-Horse or Light Three-Horse Plow.

LEFT HAND.



MEDIUM SIZE TWO-HORSE PLOW.

LEFT HAND.

What is said on page 6 regarding the construction of the Childs Chilled Plow, applies both to the Right and Left hand Plows, except Steel Mouldboards. They are furnished for the Right Hand Plows only.

DESCRIPTION OF PLOWS.

					—FURROW.—	
					Depth.	Width.
No. 5—Two or three horse,	-	-	-	-	5 to 9 in.	13 to 15 in.
No. 7—Two horse,	-	-	-	-	5 to 8 in.	12 to 14 in.
No. 15—One horse,	-	-	-	-	3 to 5 in.	8 to 10 in.

All parts of Nos. 5 and 7 Plows interchange.



VINEYARD OR GARDEN PLOW.

No. 15. ONE-HORSE. LEFT HAND.

PRICE LIST

— OF —

Childs Chilled Plows and Extras.---Left Hand.

PLOWS.

No. 5—With Chilled Mouldboard.....	\$9 50
No. 7— “ “ “	9 50
No. 12— “ “ “	7 00

Clevis, Wrench and Extra Share are included in prices of plows.

WHEELS.

Complete.....	\$1 00
Standard.....	50
Wheels only.....	50

JOINTERS.

Chilled, complete, with holder.....	\$2 00
Holder, Malleable.....	1 00
Standard, “	75
Mouldboard, Chilled.....	50
Points.....	20

MOULDBOARDS.

No. 5—Chilled.....	\$3 00
No. 7— “	3 00
No. 15— “	2 25

STANDARDS.

Nos. 5 and 7.....	\$3 00
No. 15.....	2 25

LANDSIDES.

Nos. 5 and 7, Chilled.....	\$0 75
No. 15— “	65

SHARES.

Nos. 5 and 7, Cast.....	\$0 40
No. 15 “	35

SHIN PIECES.

Nos. 5 and 7.....	\$0 25
No. 15.....	20

CLEVISES.

Nos. 5 and 7.....	\$0 40
No. 15.....	30
Shackle	15
Hook.....	20

WRENCHES.

For Nos. 5 and 7.....	\$0 25
For No. 15.....	15

HANDLE BRACES.

Nos. 5 and 7.....	\$0 50
No. 15.....	30

HANDLES.

Nos. 5 and 7, per set, complete.....	\$1 25
No. 15 “ “	1 10
Single Handles, all numbers, each.....	50

BEAMS.

Nos. 5 and 7.....	\$1 25
No. 15.....	1 00

BOLTS.

For Shares, Mouldboards, Landsides } Jointer and Holder, each.....	\$0 05
For Main Standard.....	15



EUREKA

Reversible Plow.

AUTOMATIC Locking Device, durable and reliable. **The Plow is ready for work as soon as reversed**, without taking the hands from the handles or stopping the team.

The Clevis is shifted as the Plow is reversed by a rod passing under the beam, doing away with the various levers and handles now in use on other Plows, so objectionable.

The loose Coulter cannot be clogged by roots or stones. **Easily adjusted** for turning a wide or narrow furrow by moving the crank on the end of beam.

By moving the slotted caps that hold the clevis the Plow is easily adjusted if the team does not work even.

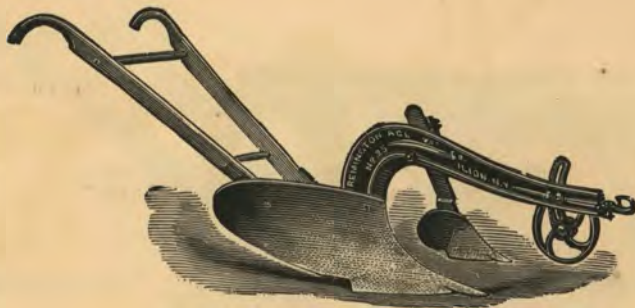
Can be used with three horses abreast, if desired, requiring only to change the crank on the end of the beam to the outside hole.

This Plow is warranted in every respect.

Eureka Reversible Plows and Extras.

PRICE LIST.

Eureka No. 5, with Coulter and Wheel.....	\$14 50	Heel Iron.....	\$0 50
Mouldboards.....	2 50	Shoe.....	50
Points.....	75	Latch.....	50
Landside.....	1 50	Brace.....	75
Wheel, complete (wheel guides, castings,).....	1 50	Crank.....	25
Wheel.....	75	Gripe Castings, $\frac{3}{4}$ pair.....	25
Wheel Guides, (wrought,).....	50	Clevis, Malleable.....	75
Castings to hold Guides, $\frac{3}{4}$ pair.....	25	Circle, Malleable.....	50
Cutter, complete.....	1 25	Hook, Malleable.....	50
Socket for Cutter.....	50	Beam.....	1 50
Knife.....	75	Handles, $\frac{3}{4}$ pair.....	1 00
Slotted Rod, Malleable.....	50		

Patent "Carbon Metal" Iron Beam Plow.

No. 25.

With Wheel and Jointer or Coulter,

Price \$15 00

PRICE LIST OF EXTRA PARTS OF PLOWS.

	Wheel Brace, Cast.	Wheel Brace, Wrought.	Cast Point.	Cast Coulter Point.	Cast Sole.	Mouldboard.	Landside.	Standard.	Clevis.	Hook and Pin.	Coulter.	Beam.	Handles, pair.	Wheel.
No. A-1 Remington.....	\$0 50	75	50	60	30 5	25 2	00 2	50	50	25 1	50 1	75 1	50	50
" C-1	50	75	50	60	30 5	25 2	00 1	50	50	25 1	50 1	75 1	50	50
" A-16	50	75	50	60	30 5	25 2	00 2	50	50	25 1	50 1	75 1	50	50
" C-02	50	75	50	60	30 5	00 2	00 1	50	50	25 1	50 1	75 1	50	50
" C-11	50	75	45	.....	30 4	25 2	00 1	50	50	25 1	50 1	75 1	50	50
" C-10½ .....	.....	.....	40	.....	25 3	00 1	75 1	25	40	25	.....	1 50	1 50	.....
" C-06 .....	.....	.....	40	.....	25 2	50 1	50 1	25	40	25	.....	1 50	1 50	.....
" 9	50	75	50	.....	.....	3 00	1 00	2 00	50	25 1	50 1	75 1	50	50
" 14	50	.....	45	55	45 5	25	.....	.....	50	25 1	50 4	00 1	50	50
" 25	50	.....	45	55	45 3	75	.....	.....	50	25 1	50 4	00 1	50	50
" 26	50	.....	50	.....	45 3	75	.....	.....	50	25 1	50 4	00 1	50	50
" 30	50	75	50	60	30 3	75 2	00 2	50	50	25 1	50 1	75 1	50	50
Jointer Complete, \$2.00.....	.....	.....	25	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....
No. 12 Remington.....	50	75	50	.....	.....	3 75	1 00	2 50	50	25 1	50 1	75 1	50	50
" 20	50	75	50	60	.....	3 75	1 00	2 50	50	25 1	50 1	75 1	50	50
" A-2	50	75	50	.....	.....	30 5	00 2	00 2	50	50	25 1	50 1	75 1	50
" A-2½	50	75	45	.....	.....	30 5	00 2	00 2	50	50	25 1	50 1	75 1	50
" B-2	50	75	45	.....	.....	30 5	00 2	00 2	50	50	25 1	50 1	75 1	50
" 20 U T K.....	.....	75	50	60	30	.....	2 00	.....	50	25 1	50 1	75 1	50	50
" 10 .....	.....	.....	40	.....	1 00	.....	.....	.....	40	25	.....	1 25	1 50	.....
" 15	50	50	45	55	45	.....	.....	.....	50	25 1	50 4	00 1	50	50
" 69 Watertown.....	.....	.....	50	.....	.....	.....	60 2	50	.....	.....	1 75	.....	.....	.....
Oneonta Clipper.....	50	.....	65	.....	50 3	25	50	.....	.....	30 1	50 4	00 1	50	50

OLIVER PLOW EXTRAS.

FOR THE OLD SERIES, RIGHT HAND—NOS. 40, E, 20 AND 10-0 PLOWS.

PRICE LIST.

MOULDBOARDS.

LIST PRICES.

No. 10-0.....	\$2 25
No. 20.....	2 75
Nos. 40 and E.....	3 00

STANDARDS.

No. 10-0.....	\$2 25
No. 20.....	2 75
Nos. 40 and E.....	3 00

LANDSIDES.

No. 10-0.....	\$0 65
All other numbers.....	75

SHARES.

No. 10-0, cast.....	\$0 35
All other numbers, cast.....	40
No. 76 Casaday.....	50

JOINTERS.

Chilled, complete with holder.....	\$2 00
Holder, malleable iron.....	1 00
Standard, malleable iron.....	75
Mouldboard, chilled.....	50
Points.....	20

COULTERS.

Complete with holder.....	\$2 00
Holder same as for Jointer.....	1 00
Blade, steel.....	1 00

WHEELS.

Complete.....	\$1 00
Standard, malleable.....	50
Wheels only.....	50

CLEVISES.

LIST PRICES.

No. 10-0.....	\$0 30
All other numbers.....	40
Shackle.....	15
Hook.....	20

WRENCHES.

For two-horse Plows.....	\$0 25
For one-horse Plows.....	15

HANDLE BRACES.

No. 10-0.....	\$0 30
All other numbers.....	50

HANDLES.

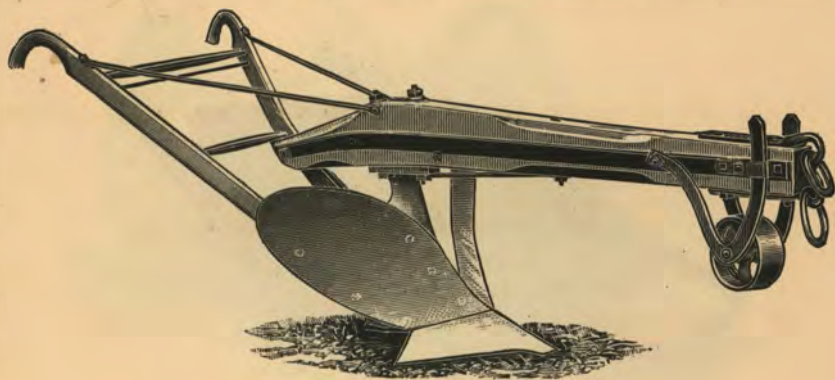
No. 10-0, per set, complete.....	\$1 25
All other numbers, per set, complete.....	1 75
Per pair, loose, all numbers.....	1 00
Single Handles, each.....	50
Rounds.....	10

BEAMS.

No. 10-0.....	\$1 00
All other numbers, wood.....	1 25

BOLTS.

For Shares, Mouldboards and Landsides.....	\$0 05
For Wheel Standard, (hook,).....	10
For Wheel through beam side.....	10
For Rolling Coulter Axle.....	10
For back end of beam.....	10
For Standard through beam.....	15
For Jointer and Coulter Standard.....	05
For Jointer and Coulter Holder, (front,).....	10
For ends of Handle Brace.....	05
For Wheel Hub.....	10

RAILROAD OR GRADING PLOW. No. 13.

STANDARD of No. 13 Plow is of wrought iron, V shaped, secured to beam by two strong bolts, and will not twist or break. **The Strongest Standard known.** The Point, Landside, Mouldboard, and Coulter are of the very best Wrought Steel. It has an Adjustable Gauge Wheel, $3 \times 6\frac{1}{2}$ inches. The Beam is heavily ironed on both sides. Clevis of Wrought Iron. Weight, 200 lbs.

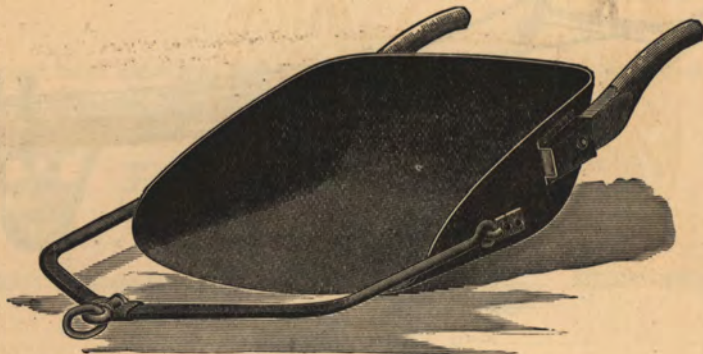
Price, \$30.00

ROAD OR TOWNSHIP PLOW. No. 15.

THIS Plow is the same as No. 13, only lighter. It has the V shaped Wrought Iron Standard, and bearing parts of Wrought Steel, thoroughly hardened, and will scour in any soil. It is very strong and durable, and is specially adapted for Township road work. Weight, 125 lbs.

Price, \$22.00

U. T. K. SOLID STEEL SCRAPERS.

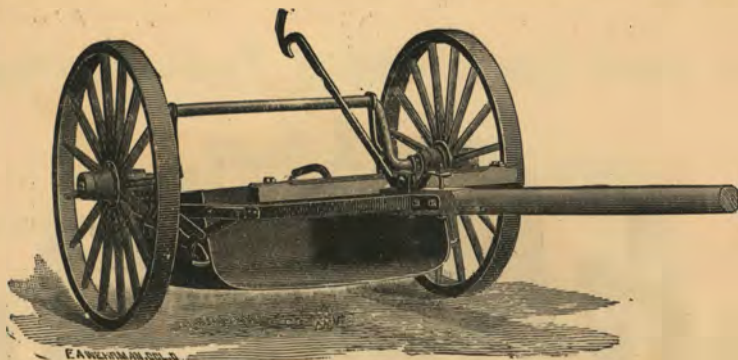


THESE Scrapers are made from heavy plates of specially hardened steel, and are stamped from one sheet without joint, seam, or rivet. They are superior to any other Drag Scraper upon the market. The Bowl being made of thicker and harder steel enables it to scour where no other Scraper will; and owing to the sharp, rounded nose, it will enter the ground more readily than any other make of Scraper. The **Bails** are **steel**, with perfect working Swivels, and Handles of hard wood. We will guarantee this Scraper in every particular.

All our Scrapers have **runners** on the **bottom**, which are securely fastened, and will hold until completely worn out, when they can be replaced, at small expense.

Capacity, 7 cubic feet.

Price, . . . \$10.00

Pressed Steel Bowl Wheel Scrapers.**In Carrying Position.**

The Best, Strongest, & Easiest Working Wheel Scraper
EVER PUT ON THE MARKET.

THE Bowl is stamped from one solid plate of wrought steel, $\frac{3}{16}$ inch thick, without joint, seam or rivet, and owing to the fact that they are pressed hot, much harder and stiffer steel is used than is possible in the old style square box wheelers, which are cut and bent up cold. The bottoms of these Scrapers are oil tempered. The largest size, capacity 17 cubic feet, is easily operated by one man, and there is no strain on horses' neck.

These Scrapers have Sarven Patent Wheels. It will fill in any soil where a drag scraper will work. The Patent Automatic Lock Hook, with which all these Scrapers are supplied, makes it impossible for the Scraper to dump while filling, and also regulates the cut to an even depth.

In setting up these Scrapers attach tongue-braces to pins in front part of scraper bowl, then attach lock-hooks to tongue-braces.

In operating, disengage latch from scraper, and raise lever; this lowers scraper to the ground in position to fill. In filling, grasp handle of scraper with one hand and lever with the other hand; this gives the operator complete control. If scraper strikes a rock or other material obstruction, pull lever back, which will lift scraper up and over the obstruction.

When filled, and while team is in motion, bear down on lever until hook catches back of scraper.

When ready to dump, raise lever until point of scraper catches in the ground, when scraper bowl will revolve and dump the load.

See that all nuts are kept tight and spindles well oiled.

No. 2, Capacity 13 cubic feet.

Price,

Weight complete, 595 lbs.

\$55.00

No. 3, Capacity 17 cubic feet.

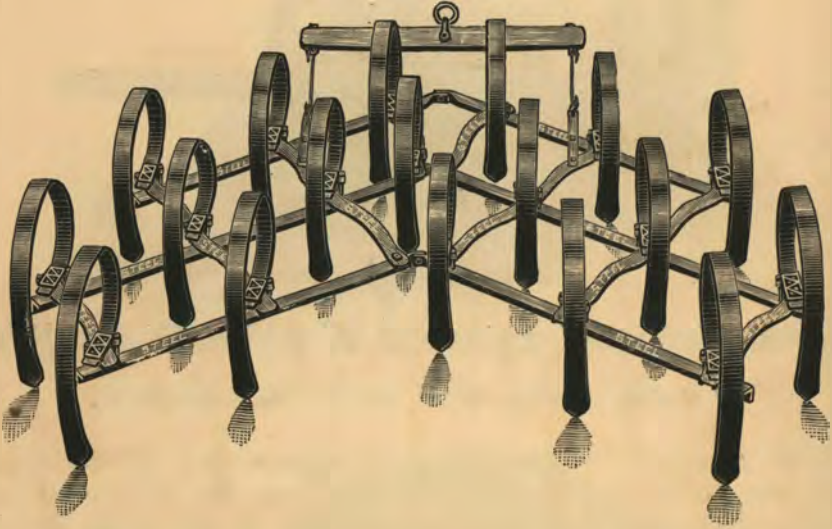
Price,

Weight complete, 705 lbs.

\$60.00

U. T. K.

All Steel Frame Spring Tooth Harrow.



THE frame of this Harrow is made of angle steel; the cross bars being gained upon the draft bars and bolted through the draft bars and clips, insuring absolute rigidity, which is far superior to any other form of construction. The steel bars are laid with their broadest surface upward, giving the greatest possible lateral strength, thus preventing the tooth seats from being forced out of their proper position, rendering lining or trailing of the teeth impossible. No bent steel is used in the construction of this frame except the cross-bars, which are so slightly curved that they still retain their full strength.

The bolt heads are fully protected from contact with the ground by the angles of the draft bars.

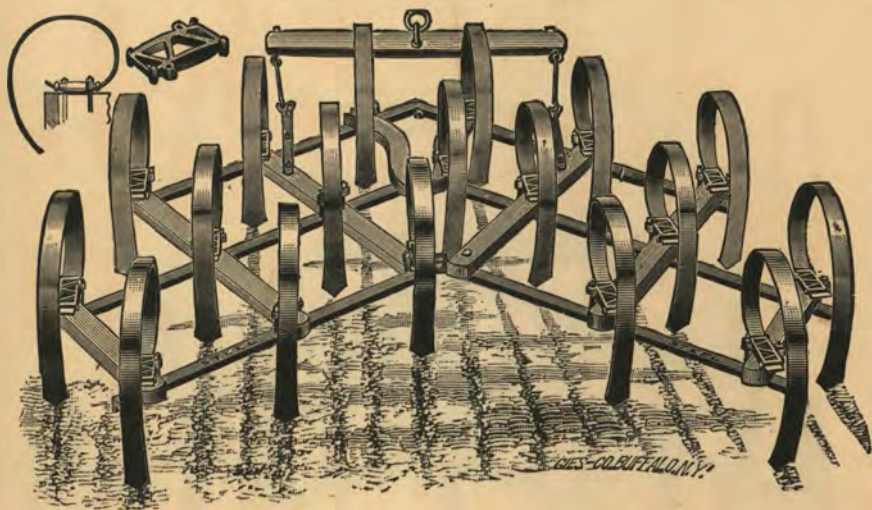
The teeth are secured to the frame by means of inter-changeable malleable clips, placed on the broad surface of the tooth and bolted through the draft bars, being the simplest, strongest, and most durable manner of holding the tooth in position.

The superiority of this manner of holding the tooth must commend itself to users of Harrows over any means of griping and riveting.

The teeth are formed upon a radius which maintains its original circle as they are worn and moved forward, thus retaining the same spring and vibratory power, the essential qualities of a Spring Tooth Harrow.

This feature alone makes this Harrow vastly superior to other harrows on the market.

Guaranteed the Strongest and most Durable Spring Tooth Harrow under the sun.
For Price List see page 19.

*U. T. K.**Patent Angle Steel Frame Spring Tooth Harrow.***WITH WOOD CROSS BARS.**

THE U. T. K. Angle Steel Frame Spring Tooth Harrow has been on the market for seven seasons, and is no experiment. Thousands are in use throughout the country. Every one sold is the best kind of an advertisement, and it never fails to give perfect satisfaction. The main **Draft Bars** are of **Angle Steel**, which gives the greatest possible strength, the same being so made as to form the center hinges, securing great strength and uniformity so that any half will interchange with any other half. The cross beams are of the best hard wood **without bolt holes**, thereby avoiding quick decay of the wood; and fit tightly between the bolts. The **bolt heads** do not come in contact with the ground, being **protected** by the **angles of the Draft Bars**. The teeth are secured to the frame by means of **bolts** and **malleable clips**, which, being interchangeable, must commend this fastening over any means of griping and riveting.

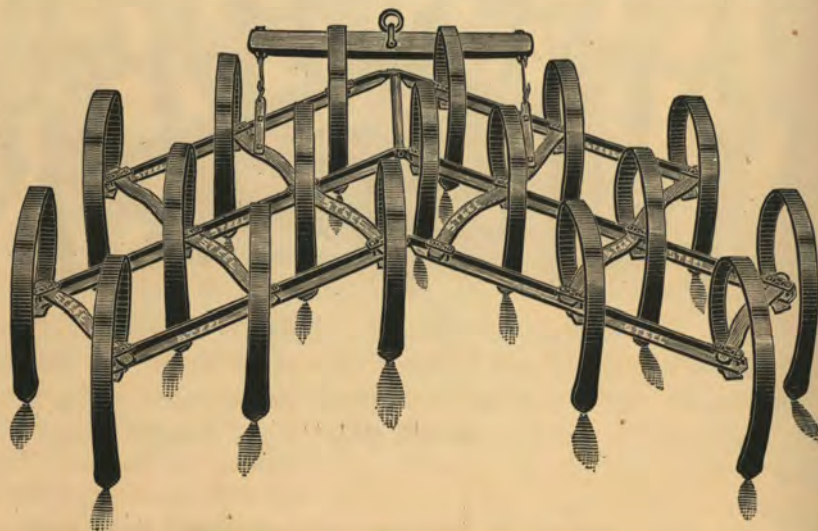
PRICE LIST FOR ALL STYLES.

14 Tooth, U. T. K. Spring Tooth Harrow,	\$23.00
16 " " " " "	23.00
18 " " " " "	25.00
20 " " " " "	27.50
22 " " " " "	28.50
Extra Teeth,	.75

U. T. K.

Patent Angle Steel Frame Harrow.

STYLE S.



ALL STEEL.

ABOVE Cut shows our Style **S** Harrow, all Steel Frame. These Harrows are made with Teeth fastened on the under side of Frame by Malleable Clips, and are adapted to sections where the soil is light, sandy or loamy.

We also furnish this style Harrow with Wood Cross Bars, when desired.

For Price List see page 19.

We are Pleased to call **SPECIAL ATTENTION** to our Complete Line

OF

Riding Wheel Cultivators,

Illustrated in the following pages. It will be seen by the construction of these Cultivators, the great and serious objection of a Riding Cultivator, viz., the controlling of the gangs or hoes by the tiresome pushing and pulling with the feet and legs, is entirely overcome. By the use of the **Broken Axle, which acts as a tiller**, the wheels guide the gangs or hoes. The Cultivator is under perfect control, and can be turned to the right or left by the slightest movement of the rider's feet, regardless of the horses. This is of special advantage cultivating on side hill or uneven fields.

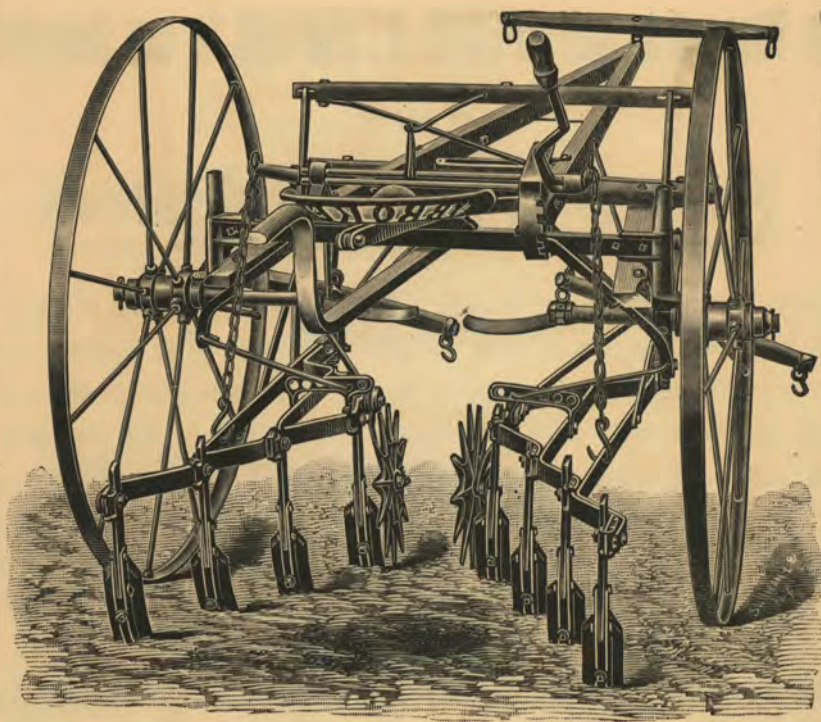
The Spring Tension secures a practically **automatic and level line of draft** for the teeth at any depth required. If you **set** the machine to plow one inch deep, it will plow practically one inch deep **all the time**. If ground is hard it will force the teeth to stay at any depth desired, yet if ground is mellow the teeth will not bury themselves. Taken together, the **Broken Axle and Spring Tension**, as applied to our Cultivators, cover completely both the vertical and lateral actions of the Cultivators.

The X-Broken-X and Hudson Cultivators,

(See following pages,) are alike in general principle and construction, differing only in details.

The Diamond Cultivator

Is more especially adapted to level land that is in a good state of cultivation; it has no equal for truck gardening. The track is adjustable, can be varied eight inches, which is a great advantage in cultivating a variety of plants. See following cuts.



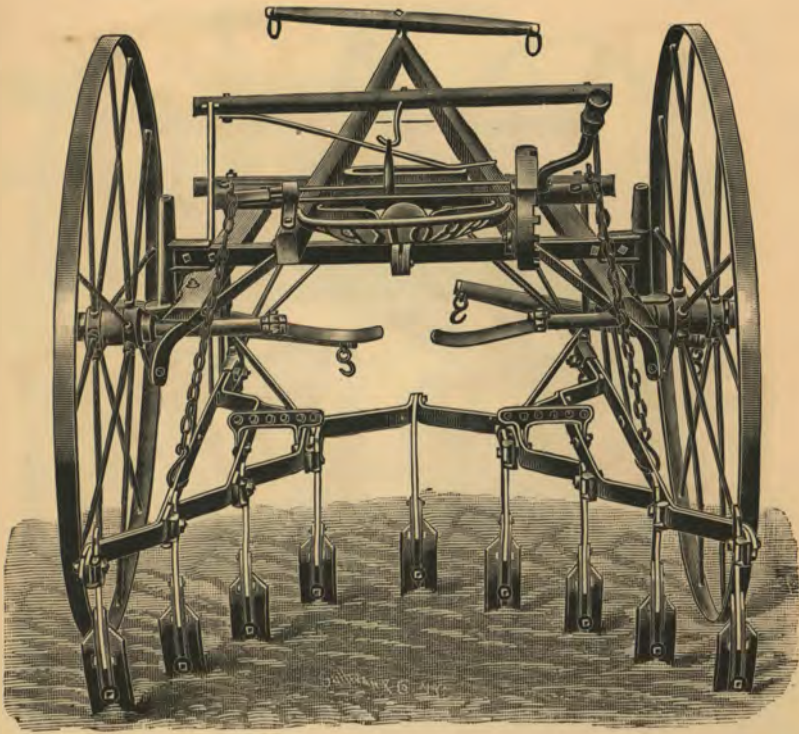
X-BROKEN-X CULTIVATOR,

**With 8 Reversible 3-inch Steel Teeth, and Star Fenders for
Level Cultivation.**

Shipping Weight, about 350 lbs.

For further details send for **Special Catalogue.**

Price complete, with Centre Tooth Attachment, Hilling Wings and Fenders, \$35.00



X-BROKEN-X CULTIVATOR,

With 9 Reversible 3-inch Steel Teeth, as used for pulverizing fallow ground, subduing quack grass, seeding, etc.

Shipping Weight, about 360 lbs.

NOTE.—When using the Cultivator in this shape, take out the spreader-hooks.

For further details send for **Special Catalogue.**

Price complete, with Centre Tooth Attachment, Hilling Wings and Fenders, \$35.00



X-BROKEN-X CULTIVATOR,

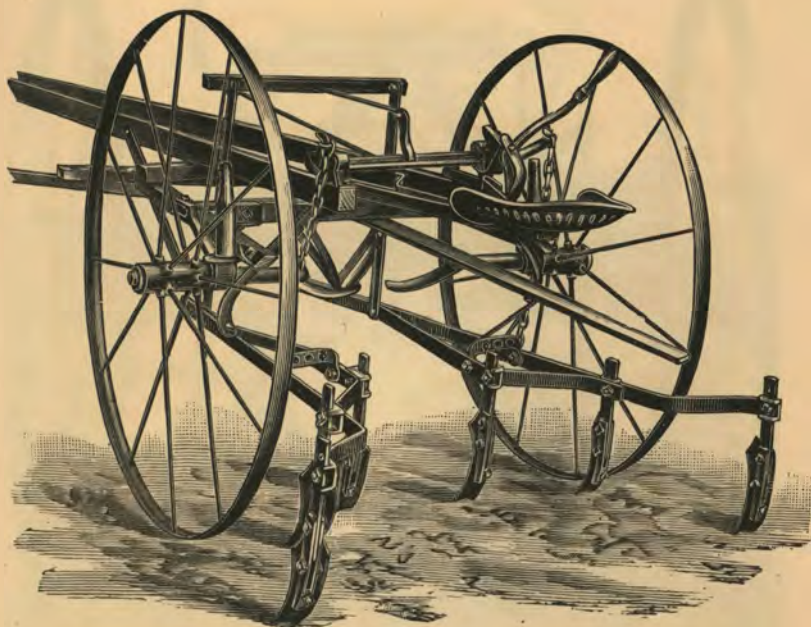
**With Spring Tooth Attachment for use as a Harrow, Pulverizer
for subduing quack grass, seeding, etc.**

Shipping Weight, about 400 lbs.

NOTE.—When using the Cultivator in this shape, take out the spreader-hooks.

For further details send for **Special Catalogue.**

Price complete, with Centre Tooth Attachment, Hilling Wings and Fenders, \$35.00



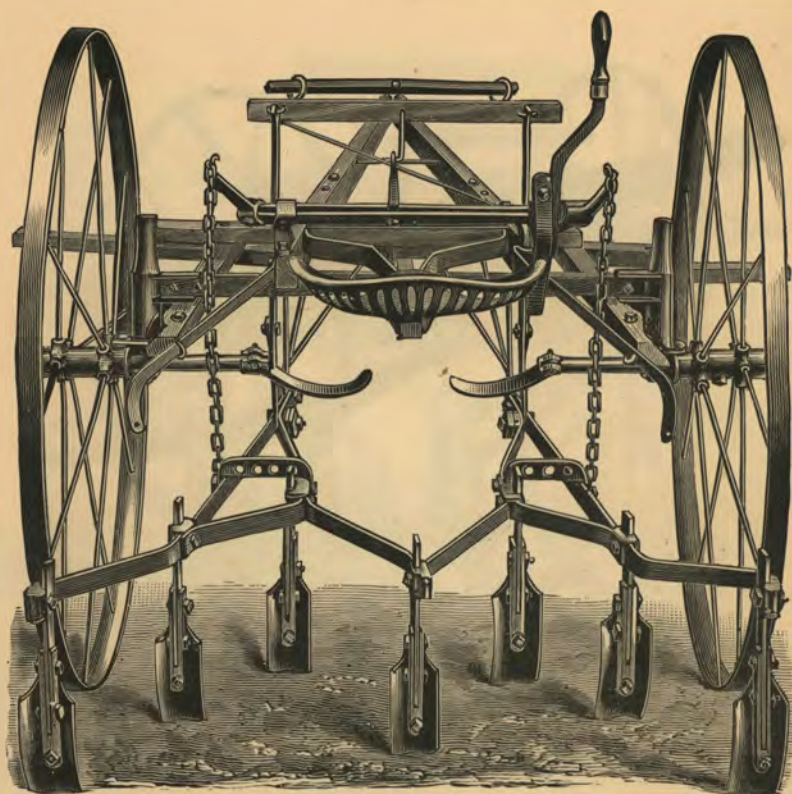
HUDSON CULTIVATOR,

(REAR VIEW.)

With 6 Reversible 3 1-2 inch Steel Teeth.

For further details send for **Special Catalogue.**

Price complete, with Centre Tooth Attachment, Hilling Wings and Fenders, \$34.00



HUDSON CULTIVATOR,

**With 7 Reversible 3 1-2 inch Steel Teeth. For pulverizing,
subduing quack grass, seeding, etc.**

Shipping Weight, about 360 lbs.

NOTE.—When using the Cultivator in this shape, take out the spreader hooks.

For further details send for **Special Catalogue.**

Price complete, with Centre Tooth Attachment, Hilling Wings and Fenders, \$34.00



DIAMOND CULTIVATOR,

With 8 Reversible 3 inch Steel Teeth.

Shipping Weight, about 250 lbs.

For further details send for **Special Catalogue.**

Price complete, with Centre Tooth Attachment, Hilling Wings and Fenders, **\$34.00**

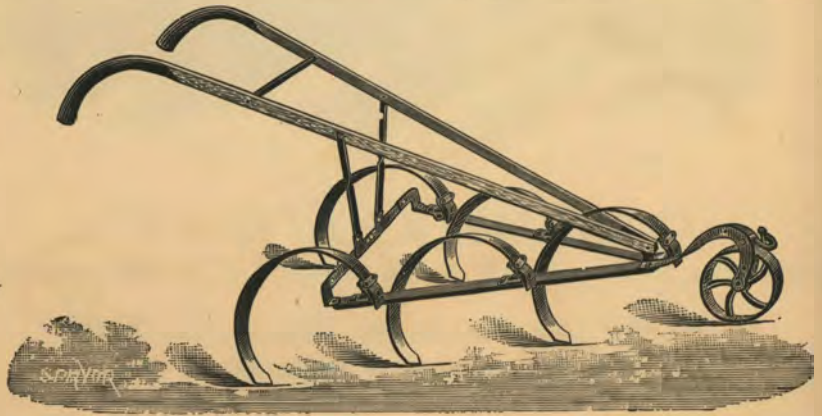
U. T. K.

Angle Steel Frame Spring Tooth Cultivator.

THESE implements as now constructed, admitting of so many changes and combinations, we feel warranted in claiming **far Superior** to any Cultivators or Hillers on the market, of their kind. The frames are made of Angle Steel, well up from the ground to avoid clogging. The teeth are easily and quickly adjusted.

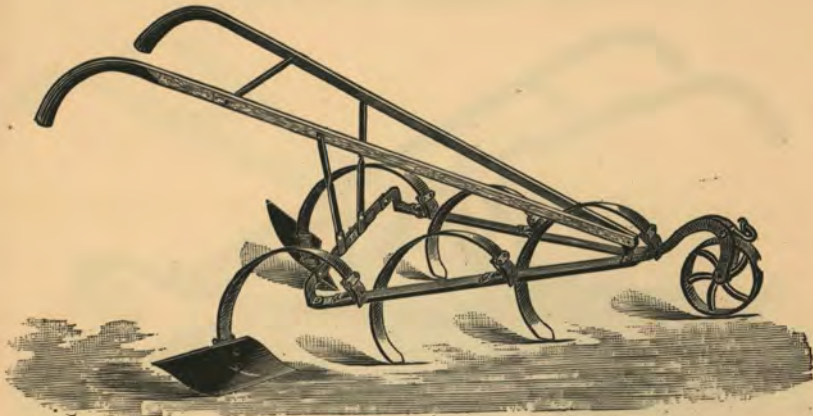
The following cuts show these Cultivators with some of their numerous attachments, changes and combinations.

Plain Cultivator with 5 Spring Teeth.



THE teeth are adjustable for more or less depth of cut, also sideways, allowing them to be run very close to the growing plants. This Cultivator is adapted for all kinds of ordinary work, such as cultivating the first time over, corn, potatoes, &c. This implement is especially useful in the cultivation of tobacco, broom corn, strawberries, and in fact all delicate plants, as it runs very steadily and the Teeth can be **set** so as to thoroughly loosen the soil all about the plants without throwing any dirt over them. For price, see page 30.

CULTIVATOR



With No. 5 Right and Left Steel Moulds Attached to the Two Rear Teeth.

THIS combination works splendidly for the first hoeing. It leaves the centre between the rows a little **crowning**, an advantage accomplished by no other tool, and one which will be appreciated by all farmers.

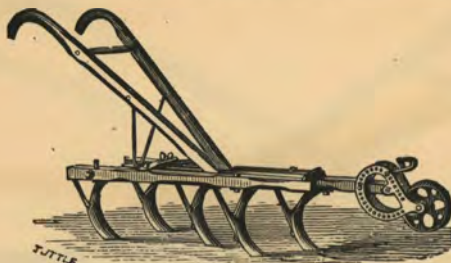
The Right and Left Moulds can be reversed and draw the soil from the plants to the centre when desired. For price, see page 30.

CULTIVATOR



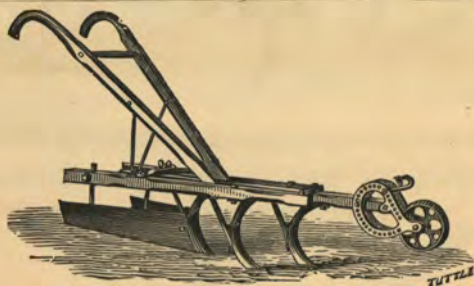
With No. 10 Right and Left Steel Hilling Wings Attached.

THIS Hiller has many advantages of positive merit. It must be seen at work to be fully appreciated. It is the most useful general purpose Hiller ever put on the market. It can be adjusted to any width desired. Each wing is independent of the other, and by their sharp points, together with the vibrating motion caused by their attachment to the Spring Teeth, work successfully in hard, dry ground, where any other kind of Hiller would be of little use. The rear end of the Wings can be raised or lowered to give more or less depth of cut. For use in banking celery or wherever a large furrow is wanted, the Wings can be **set** to throw the dirt to any desired height. For price, see page 30.

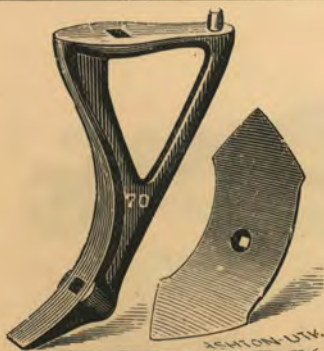
Wright's Patent One-Horse Cultivator.

Price,

\$4.00



AS A CULTIVATOR AND HILLER COMBINED, - - - - - PRICE, \$6.00
 PRICE OF HILLING ATTACHMENT, - - - - - \$2.00



Wright's Patent Tooth Complete.

Price, with Bolts, - - \$0.40



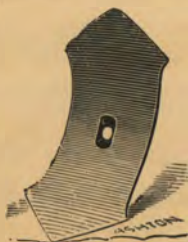
Oval Point Tooth Complete.

Price, with Bolts, - - \$0.40



Cultivator Hook.

Price, 10 cents.



Wright's Patent Point.

Price, 12 cents.



No. 10 Oval Point.

Price, 12 cents.

Wood Beam Steel Shovel Plow---With Wings.

This Plow can be Adjusted to any Width Row.

PRICE, - - \$3.50

THOMAS' SMOOTHING HARROW.✦ **PRICE LIST.** ✦

Two sections, with 48 Teeth, 7 feet spread,	\$15 00
Three " " 72 " 10½ feet spread,	20 00
Seat,	3 00

U. T. K. IRON BEAM SHOVEL PLOW.

Price,		\$4 50
Points,		75
Wings, Right and Left, each,		50
Saddle,		60
Soles,		40

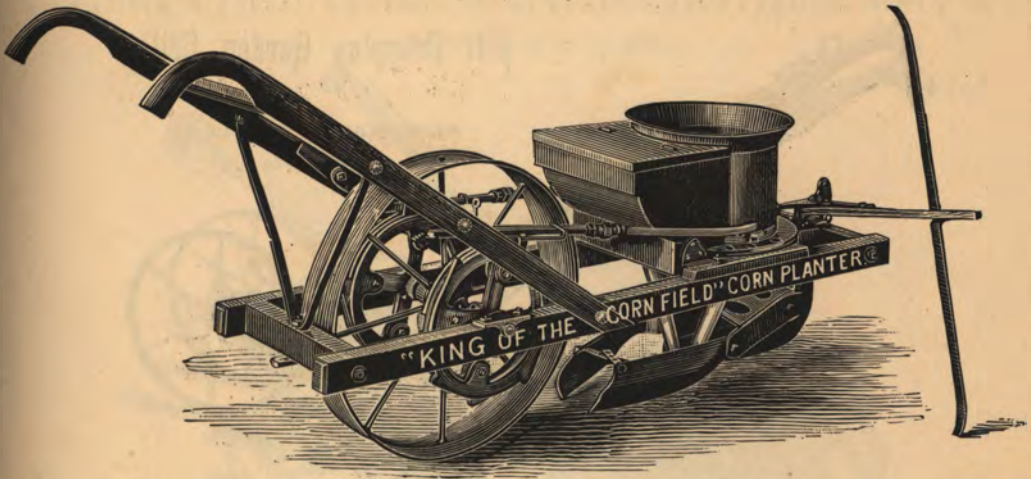
SUPERIOR LAND ROLLERS.

No. 3.—Has three 24-inch sections, (24 inches in diameter,) making entire length six feet. Weight, as shipped, about 600 pounds. It may be loaded to 1,200 pounds.

Price, - \$35.00 | Price, with Seeder, \$45.00

No. 4.—Has three 32-inch sections, (24 inches in diameter,) making entire length eight feet. Weight, as shipped, about 750 pounds. It may be loaded to 1,500 pounds.

Price, - \$45.00 | Price, with Seeder, \$55.00

THE "KING OF THE CORN FIELD"*CORN PLANTER,*

Excels all other Planters for planting Field, Ensilage and Fodder Corn, Broom Corn, Beans, Peas, Beet, and other Seeds of like size.

It is durable and simple in construction, and not liable to get out of order. Any one can operate it. It is light work for one horse. It will **plant from seven to ten acres per day**. It does its work **better** than is possible to **plant by hand**. The Seed Hopper is made with two compartments, that two kinds of seed may be used at the same time. The Fertilizer Hopper is placed directly in front of Seed Hopper, and independent of same. The Fertilizer drops at the same instant separately to the right and left of seed alternately, thus avoiding all danger of injury to seed.

This important feature of dividing the fertilizer, and then mixing it with the soil, is not embodied in any other Planter.

This machine is arranged to drop any desired quantity of seed or fertilizer at a time, at equal and various distances apart, in hills or drills of uniform depth.

The Seed Dropping Device is positive, never Misses or Skips a Hill. The Fertilizer Distributing Device is also positive and accurate.

The operator can see every hill, both seed and fertilizer, before it is covered.

It will plant in hills $4\frac{1}{2}$, 9, 18, 36 or 72 inches apart, or will sow in drills continuously.

Seed Gauges or Slips are made of wood, and can be easily changed.

Full Directions with each Drill. Send for **Special Catalogue**.

PRICE, - - \$25.00

THE "PLANET JR."

Hill Dropping Garden Drill,

FOR ROWS OR HILLS.



THIS Machine will sow in rows or hills, as desired, all kinds of garden seeds, from peas and beans down to celery. It holds two quarts of seed, and is adapted for all conditions of land. The Drill is set for different seeds, with the greatest accuracy, by a thumb screw which regulates the flow by means of a rod connecting the Seed Index or Dial with the Discharge Opening. We also furnish this Drill with **Fertilizer Attachment**. Send for **Special Catalogue**.

PRICE, Plain, - \$12.00

PRICE with Fertilizer Attachment, \$18.00

The "PLANET JR." No. 2 Garden Drill.

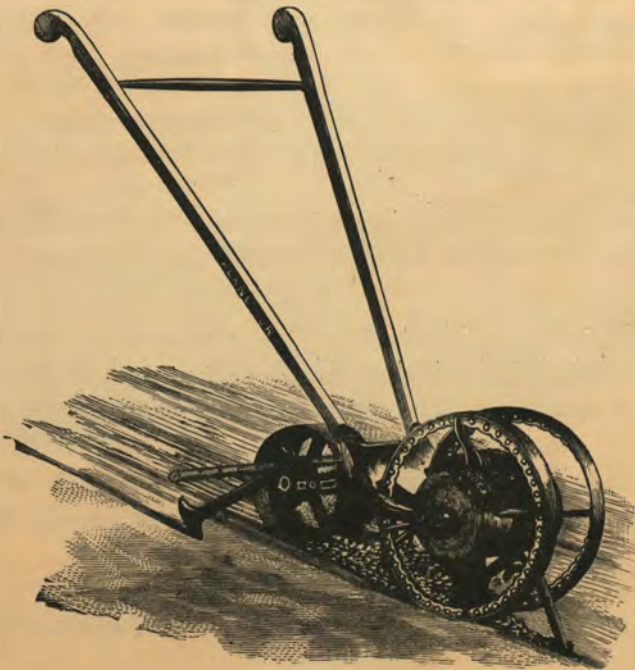


Fig. 1.—The "Planet Jr." No. 2.—Seed Drill. No Cultivating Attachments.
PRICE, \$9.00

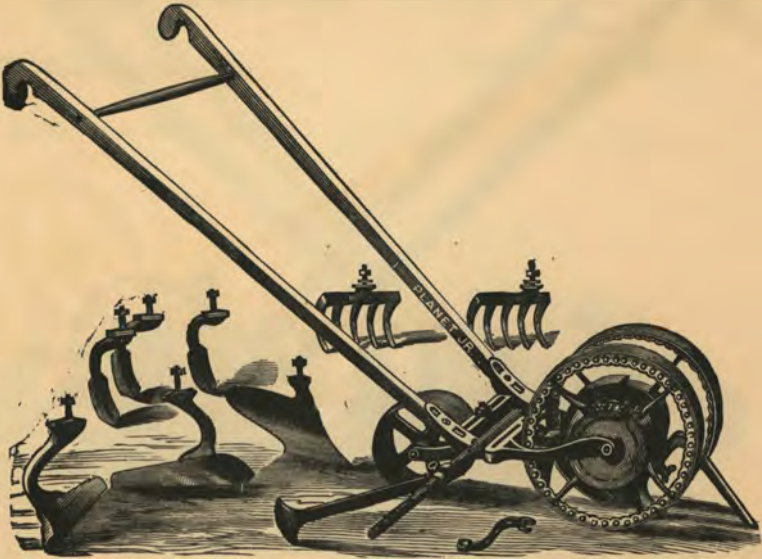
*THE "PLANET JR."***Combined Drill, Wheel Hoe, Cultivator, Rake and Plow.***FIGURES 4, 5, 6, 7 AND 8.*

Fig. 4.—The "Planet Jr." Combined Drill, Wheel Hoe, Cultivator, Rake and Plow.
PRICE. \$12.00.



Fig. 5—The "Planet Jr." Combined Drill and Wheel Hoe, hoeing both sides of the row.

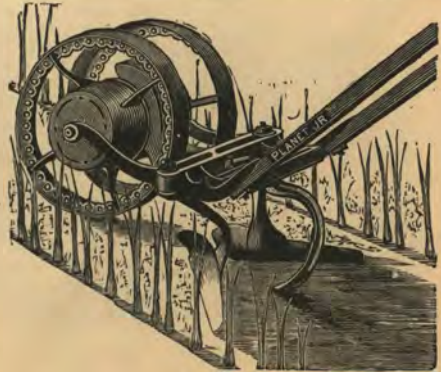


Fig. 6—The "Planet Jr." Combined Drill and Wheel Hoe, hoeing between rows.



Fig. 7—The "Planet Jr." Combined Drill and Wheel Hoe, as a Cultivator.



Fig. 8—The "Planet Jr." Combined Drill and Wheel Hoe as a Plow.

THE "PLANET JR."

Double-Wheel Hoe, Cultivator,
Rake and Plow Combined.

FIGS. 10, 12, 13, 14 AND 15.



Fig. 10—The "Planet Jr." Double-Wheel Hoe, Cultivator, Rake and Plow Combined.
PRICE, \$8.00.



Fig. 12—The "Planet Jr." Double-Wheel Hoe, hoeing both sides at once.

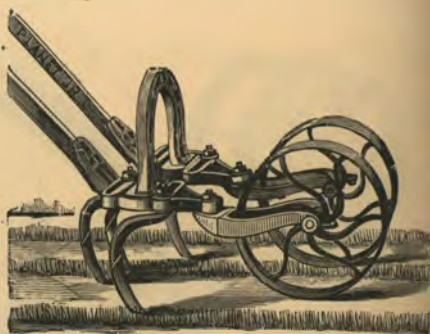


Fig. 13—The "Planet Jr." Double-Wheel Hoe, Cultivating two rows at once.



Fig. 14—The "Planet Jr." Double-Wheel Hoe, hoeing between rows.



Fig. 15—The "Planet Jr." Double-Wheel Hoe, earthing up.

THE "PLANET JR."

Single-Wheel Hoe, Cultivator,

Rake and Plow Combined.

FIGS. 17, 18, 19, 20 AND 21.



Fig. 17—The "Planet Jr." Single-Wheel Hoe, Cultivator, Rake and Plow Combined.
PRICE, \$6.00.

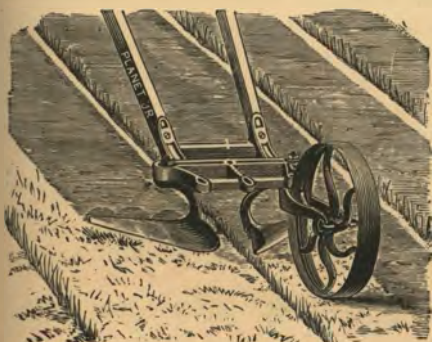


Fig. 18—The "Planet Jr." Single-Wheel Hoe, hoeing both sides at once.



Fig. 19—The "Planet Jr." Single-Wheel Hoe, with Rakes.



Fig. 20—The "Planet Jr." Single-Wheel Hoe, hoeing away.



Fig. 21—The "Planet Jr." Single-Wheel Hoe as a Plow.

THE "PLANET JR."

Plain Double-Wheel Hoe.

(NO OTHER ATTACHMENTS.)



Fig. 16—The "Planet Jr." [Plain] Double-Wheel Hoe, [no attachments.]

PRICE, \$4.50.

"Planet Jr." Onion Set Harvester.



A NEW and useful attachment which can be used on our Combined Drill and on all our Wheel Hoes, is a neatly formed ONION SET HARVESTER. It is used by passing it directly under the row from $1\frac{1}{2}$ to 2 inches deep. It thoroughly loosens the crop without scattering the bulbs, and leaves them in the best possible condition for easy handling, saving much labor and time. It is carefully made and well finished. It can also be used with much satisfaction for Deep Level Culture and Hoeing.

Price, \$1.25.

THE "FIRE-FLY"

Wheel Garden Plow.



Fig. 23—The "Fire Fly" Plow. PRICE, \$2.50.



THE U. T. K. CORN PLANTER.

THIS Planter is now offered to farmers and to the trade, *fully perfected, thoroughly tested and warranted to do as good work as any other, in all kinds of soil, hard or soft, wet or dry.* Upon examining and testing it, you will notice the following essentials of a good planter: *It is well made, light, easy to handle and does not fail to drop regularly any desired number of seeds, and will not lift dirt.* The points that penetrate the ground are spread by pressing the Planter forward, the *step* acting as a lever to open the points, *thereby the seed is spread more in the ground than with a Planter that has a plunger to force the seed.* The wearing parts are

iron and steel, arranged so as not to clog or cut the corn. It is arranged so the point may be pushed through sod or hard ground before dropping the seed. It works equally well with only a dozen kernels or with a quart of corn. It will also drop and plant pumpkin seeds.

PRICE, - - - - \$2.50

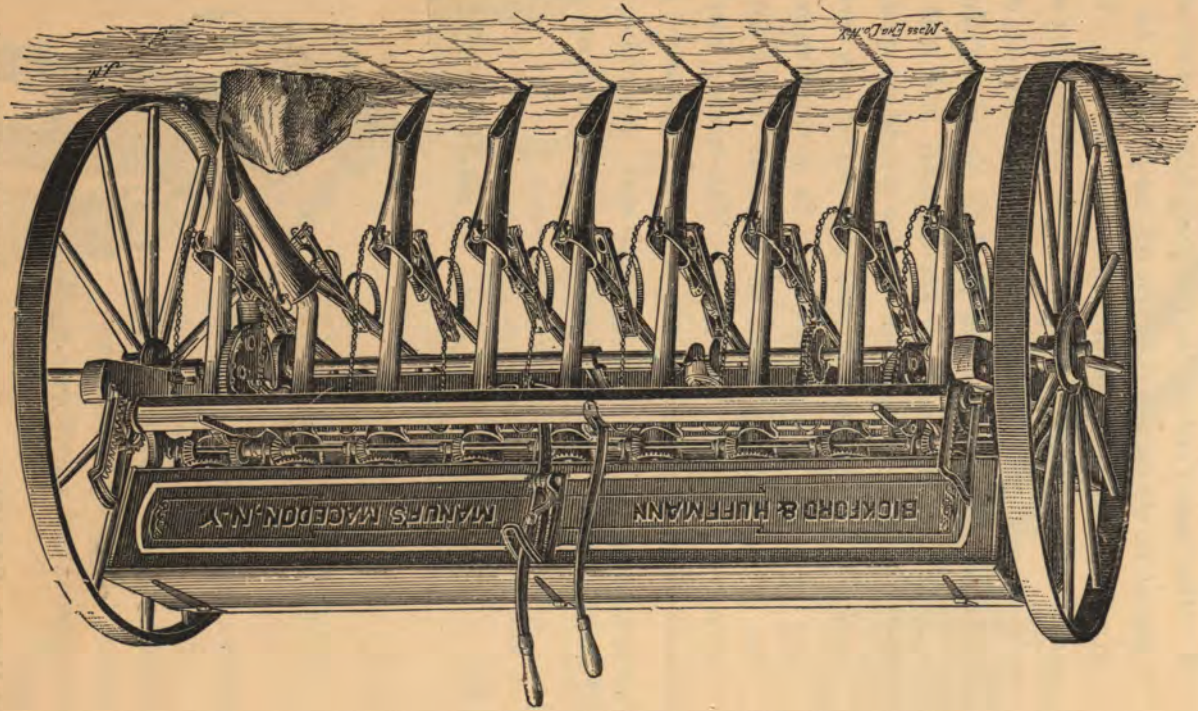
Potato Bug Exterminator.

EDDY'S PATENT.

THE best machine ever invented for applying poisons mixed with plaster, &c. It works complete. Is well liked wherever introduced, and sells at sight.

Price per Dozen, \$18.00





FARMERS' FAVORITE DRILL.

—With New Speed Device and Wizard Fertilizer.—

FARMERS' FAVORITE GRAIN DRILLS.

We Furnish all the Different Sizes, With or Without Fertilizer Attachment, as Desired.

The Patent Speed Device for regulating quantity; so simple, an error can only be reached by positive negligence.

All Gears are enclosed in an iron case, perfectly protected against wear and breakage, doubling their reliability and durability.

The Speed Case, itself a perfect direction card, a partial revolution of which brings the desired gear in place for work and adjusts the quantity. This method secures the accuracy of Cog Gear change with all the convenience and rapidity of change possible with any adjustable distributor.

This Drill is free from exposed Cog Gears, Levers, Cams, Casings, and other devices so necessary for adjustment in other methods of change, and so, certain, sooner or later by wear or breakage, to demoralize and destroy the quality of work.

This Improvement alone will save the farmer **Fifteen to Twenty Dollars** paid for repairs and breakage in the lifetime of the ordinary drill.

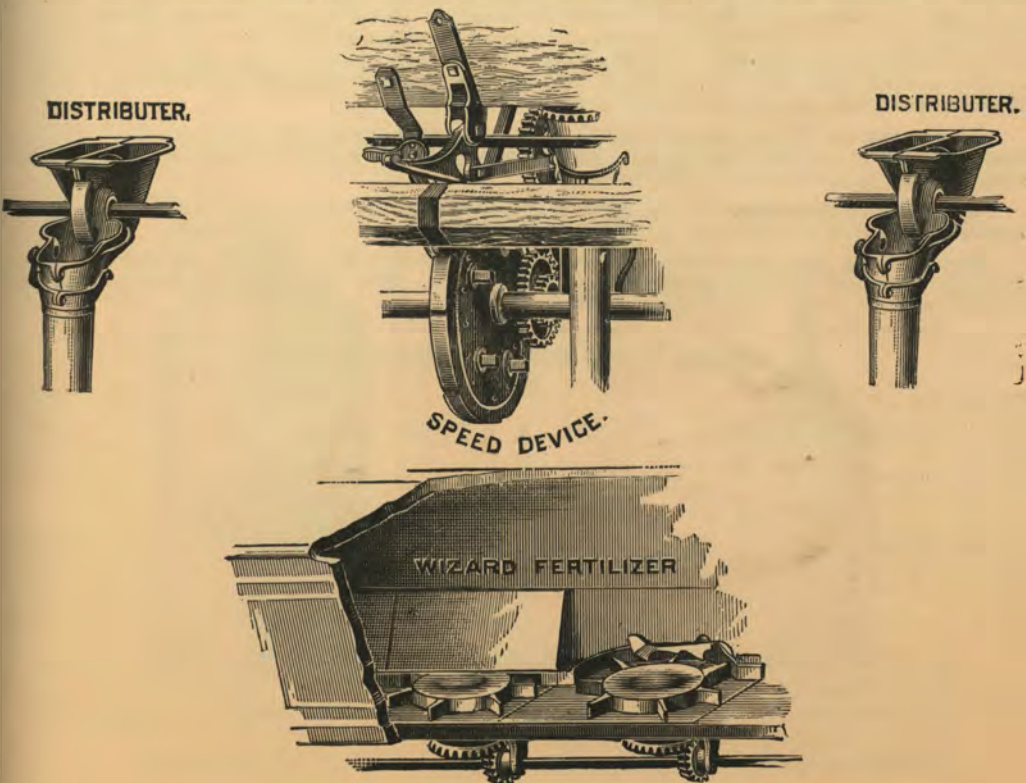
Both Running Wheels are Racheted on axle and both drivers, and stand equally distant from the outside hoes as the hoes are from each other, thus insuring an equal space between drill marks.

The Force Feed Distributors are double, furnishing two drills in one, adapting it to every variety of seed from flax to corn or beans, distributing them equally well, uniformly and without breakage, working equally positive when sowing large or small quantities; never altered in size or shape, simply running faster to increase quantity. With broad tire on wheels, polished steel axles resting in fitted bearings, double reversible steel points on tubes or hoes, and simplicity of construction and gearing, it runs far lighter than ordinary drills.

With Hoe Lifter, and hoe shifter operated by levers in rear, and from centre of drill body, the hoes are dodged or raised and lowered, and the working parts put in and out of gear by a single touch of the operator and with greatest possible convenience.

Easily Adjusted for drill planting field crops for cultivation, as well as the regular sowing of grains, easily managed and operated by a boy, it acknowledges no equal.

We Warrant it superior to any other drill in the world.



FARMERS' FAVORITE GRAIN DRILLS.



SPRING HOE

THE "WIZARD"

Stands pronouncedly at the head of "Force Feed" Fertilizer Drills, possessing the elements of unquestioned force so practically applied as to move only such portion of the fertilizer as is distributed and discharged within two-thirds of a revolution of the distributor from the point where its motion begins.

This Distributor consists of a metal disc armed at its periphery with blades or fingers three-quarter^s of an inch deep, rotating upon the surface of a metal plate forming a portion of the bottom of the fertilizer box. At the side of this box next the grain box of the drill the metallic plate is provided with an opening large enough to allow free passage of any desired amount of fertilizer. At this point an automatic cleaner remove the fertilizer from between the blades or fingers of the distributor, passing it through the opening, and it falls perpendicularly through the hoe into the seed-bed. From the side of the box next the opening and cleaner a metal shelf extends to the centre or body of the disc, thus covering the opening and cleaner and permitting only the fertilizer, which the blades or fingers carry to pass to this point, and thus carried by their rotation under this shelf or cut-off, stricken measurement and regularity of quantity per acre is insured regardless of the style or condition of fertilizer used.

The rotation of the Distributor is so slow that it is driven easily and moves the fertilizer so moderately it does not paste, and the great power and positive force it exerts compels regular distribution even under the most unfavorable conditions.

Quantity is regulated by the speed of the distributors; these are controlled by "our speed device," so that its adjustment to quantity is as simple and positive as that of the grain.

Not a loose gear about the entire Drill. A Safety Pin protects Distributors from breakage in case nail or other foreign substance is in fertilizer. **The Droppings of Sheep-folds and Heneries** can be readily distributed with this drill.

PRICE LIST FERTILIZER DRILL.

8 tube with peg tube,	-	-	-	-	-	-	-	-	-	-	\$100.00
9 " " " "	-	-	-	-	-	-	-	-	-	-	105.00
10 " " " "	-	-	-	-	-	-	-	-	-	-	110.00
11 " " " "	-	-	-	-	-	-	-	-	-	-	115.00

PLAIN DRILL.

8 tube with peg tube,	-	-	-	-	-	-	-	-	-	-	\$70.00
9 " " " "	-	-	-	-	-	-	-	-	-	-	75.00
10 " " " "	-	-	-	-	-	-	-	-	-	-	80.00
11 " " " "	-	-	-	-	-	-	-	-	-	-	85.00

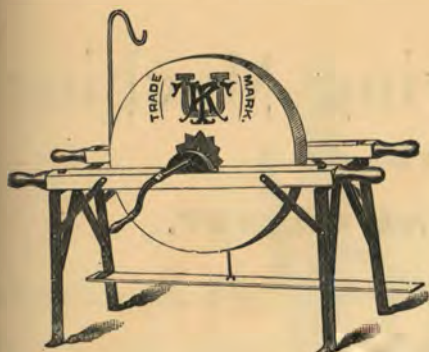
For Spring Tubes add \$10.00 to each of the above prices.

Discount \$2.50 if without Grass Seeder.

8 Tube Drills are all 8 inches between tubes; other sizes as ordered, 7 or 8.

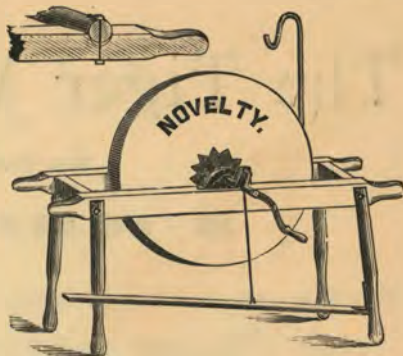
Peg Tubes always sent unless Spring Tubes are ordered.

Give Size and style of Drill correctly in your order.



"U. T. K." Mounted Grind
Stone.

No. 1,	-	-	-	-	-	Price, \$5.00
No. 2,	-	-	-	-	-	" 4.50
No. 3,	-	-	-	-	-	" 4.25



"Novelty" Mounted Grind
Stone.

No. 1,	-	-	-	-	-	Price, \$4.75
No. 2,	-	-	-	-	-	" 4.25
No. 3,	-	-	-	-	-	" 4.00

OUR Grind Stones are best quality Berea grit. The "U. T. K." and Novelty Frames are attractive in appearance, being well made and nicely finished. The "U. T. K." has the advantage of Iron Legs, which are very strong and durable. Our Grind Stone Hangers are *Malleable Iron*. The Shafts are removable and interchange with any Stone. We ship mounted stone k. d. Our mounted stone are put up weighing as follows: No. 1, 80 lbs. to 110 lbs.; No. 2, 60 lbs. to 79 lbs.; No. 3, 40 lbs. to 59 lbs.

Loose Grind Stone,

Price per ton, \$

MACHINE OILS.



Put up one dozen quart cans in a case.

Price per case, \$4.50



Put up two dozen $\frac{1}{2}$ pint cans in a case.

Price per case, \$4.50

The Tiger Mowing Machine

(See Cuts pages 47 and 48,)

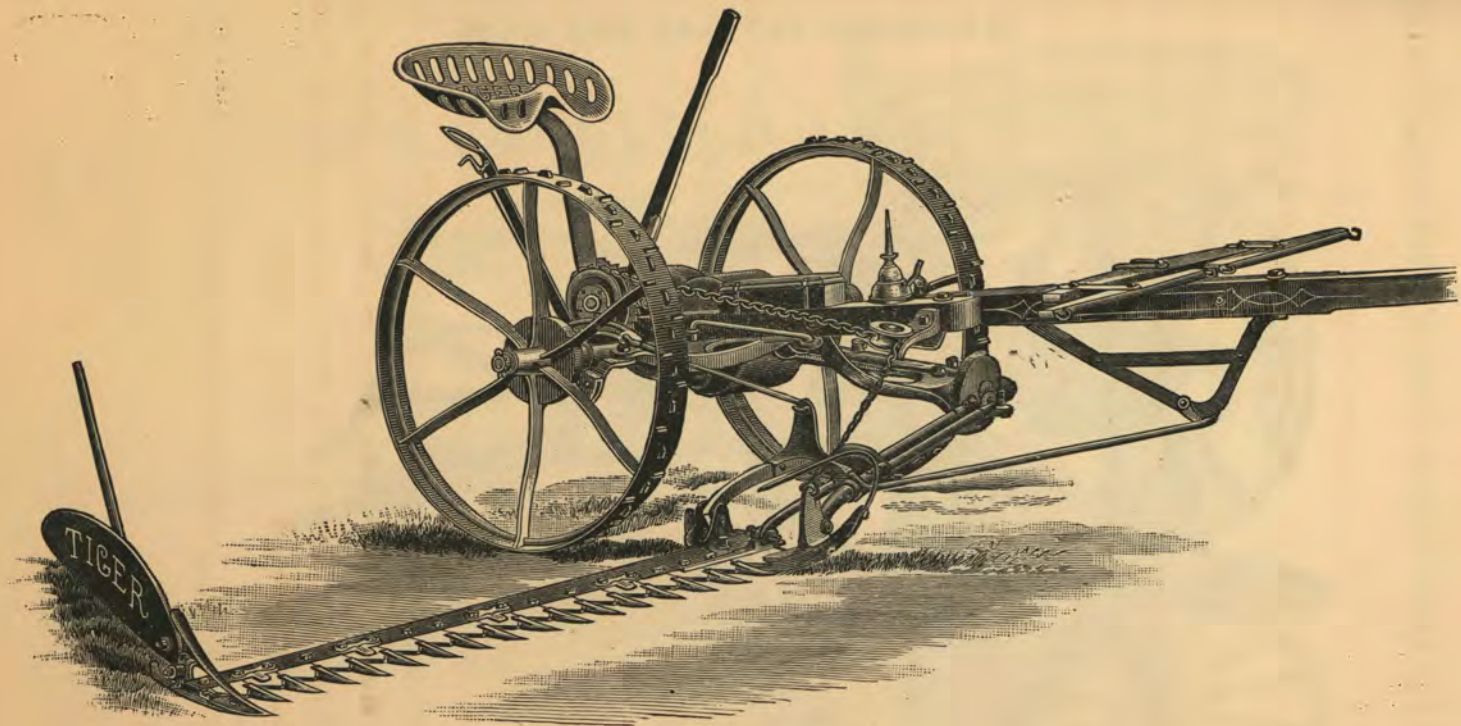
IS THE BEST IN THE MARKET.

IT is the only front-cut mower having an absolutely free-floating cutter-bar, which is drawn and in no sense pushed forward when at work. The shoe or guards will not catch in an abrupt dead furrow, because they are automatically tilted up at the points when they drop into a depression, and are drawn upward out of the furrow, and not pushed downward into the furrow, as in other front-cut mowers. It is free from all side draft, and is the lightest draft mower made. It has but four gear wheels, which are enclosed. It will do the best work in all kinds of cutting under the most trying circumstances.

It can be handled with ease and is not hard on the team. It has an Independent Floating Bar. The weight of the machine and driver is distributed equally on both of the wheels. It cuts clean any kind of grass or clover. It has the strongest, smoothest running and, therefore, quietest running set of gears. The manner of throwing in and out of gear is the most simple and perfect. It has the best wearing journal boxes. It is in perfect balance whether at work or upon the road, so that only sufficient weight is thrown upon the horses' necks to make the machine run perfectly steady. It is the **Best in Principle, Best in Construction, Best in Operation, Best in Durability, and Best in Design and Finish of any Mower in the market.** (See following Cuts.)

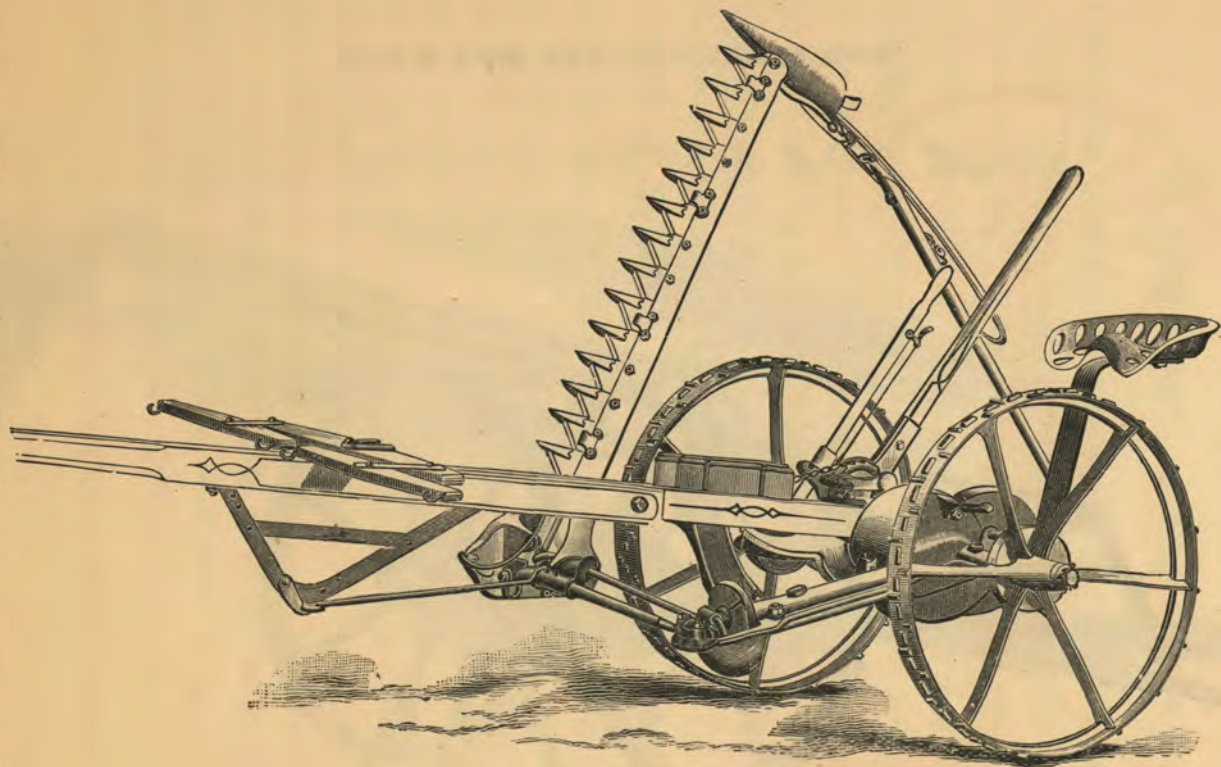
Furnished in Following Sizes:

4 ft. 3 in.,	.	.	.	.	Price, \$45.00
4 ft. 6 in.,	.	.	.	.	" 47.00
5 ft.,	.	.	.	.	" 50.00
6 ft.,	.	.	.	.	" 60.00



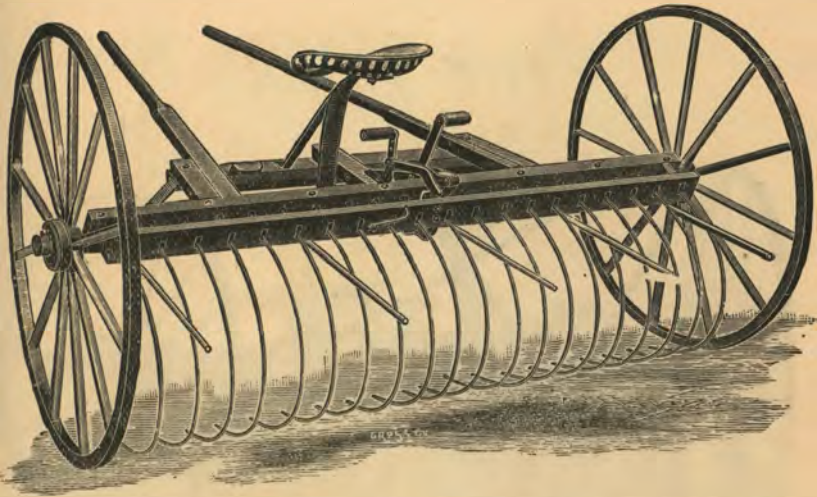
TIGER MOWER READY FOR WORK.

SEND FOR SPECIAL CIRCULAR.



TIGER MOWER WITH BAR FOLDED.

SEND FOR SPECIAL CIRCULAR.

Latest Improved "Tiger" Self-Dump Wheel Rake.

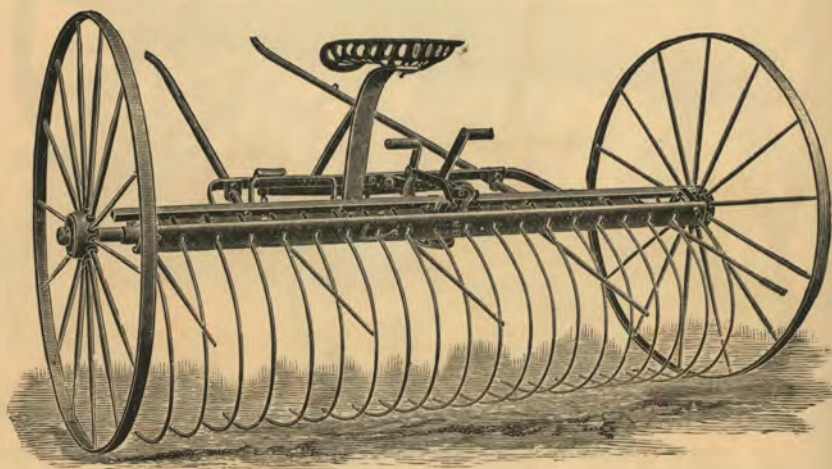
It has a Steel Seat Spring and Steel Clearer Rods. The **new dumping device** does away with the long hand lever. It is easily operated. The Rake Head, when desired, can be held up with the pressure of the foot, or by the short hand lever, and the Rake Head, after dumping, falls back with but little force, thereby preventing the breakage of teeth.

We now furnish Tiger Rakes of the following dimensions:

8 ft. Head, with 20 Teeth, combined Pole and Shafts,	Price, \$25.00
8 ft. " " 26 " " " "	" 27.00
9½ ft. " " 24 " " " "	" 30.00
10½ ft. " " 26 " Pole only,	" 34.00

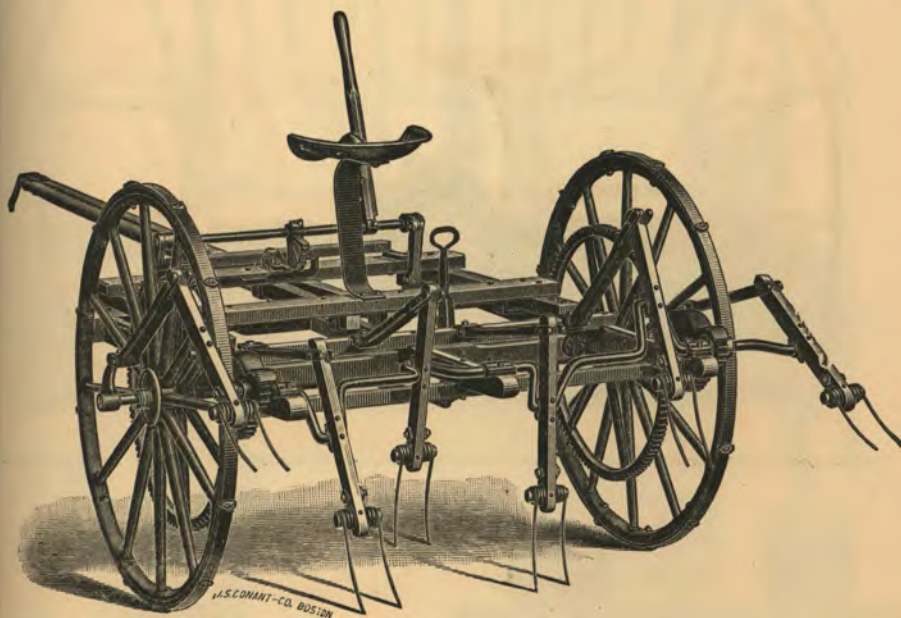
We furnish Grain, Plaster and Grass Seed Sower Attachments for Tiger Rakes.

Grain Attachment,	Price, \$18.00
Plaster "	" 14.00
Grass Seed "	" 10.00

THE TIGER.**Latest Improved All Steel Rake.**

THIS Rake is constructed upon the same principle as the regular Tiger, retaining all the valuable features universally acknowledged of superior merit. This Rake is made entirely of metal. Furnished as follows:

8 ft. Head, with 20 Teeth, Combined Pole and Shafts,	Price, \$28.00
8 ft. " " 26 " " " " "	30.00

THE RELIABLE TEDDER.

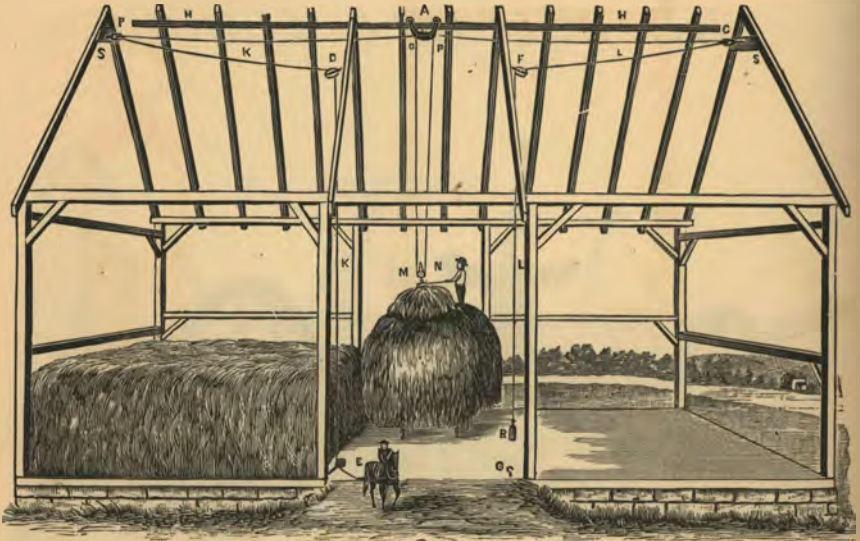
THIS style of Hay Tedder has been sold extensively, for many years, and is, without question, the “**best working**” and most “**reliable**” on the market. Furnished in two sizes. All Six Fork Tedders have Combined Pole and Shafts. Eight Fork Tedders Pole only.

Price, with 6 Forks, \$35.00

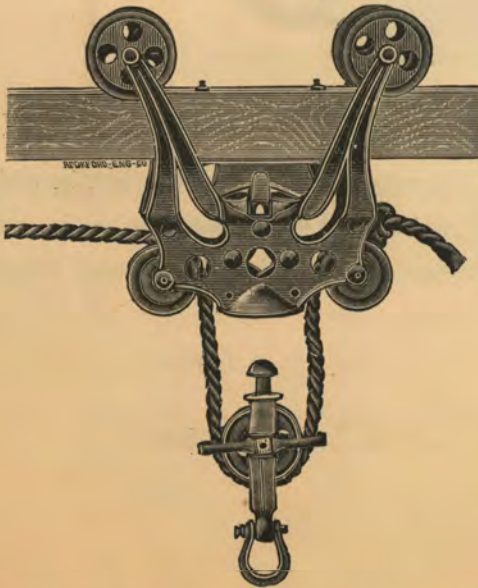
Price, with 8 Forks, 40.00

STRICKLER'S BOSS

Malleable Reversible Dead Lock Elevator and Carrier.



OPEN CUT SHOWING STRICKLER'S REVERSIBLE DEAD LOCK CARRIER AT WORK IN HAY BARN.



INSIDE VIEW SHOWING WORKING PARTS.



SHOWING THE SIMPLICITY AND MANNER OF
HOLDING 4 X 4 WOOD TRACK.

Price of Carrier,

\$8.00



Hook Bolt,
For holding
Boss Carrier Track.



Double Harpoon
Horse Fork.



Floor or Rafter Hook.

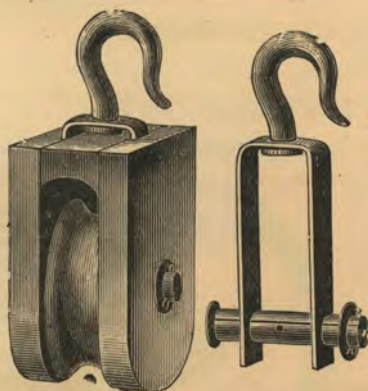


Knot Passing Pulley.



Acme Swivel Eye Iron
Pulley,

WITH CHILLED BEARINGS.



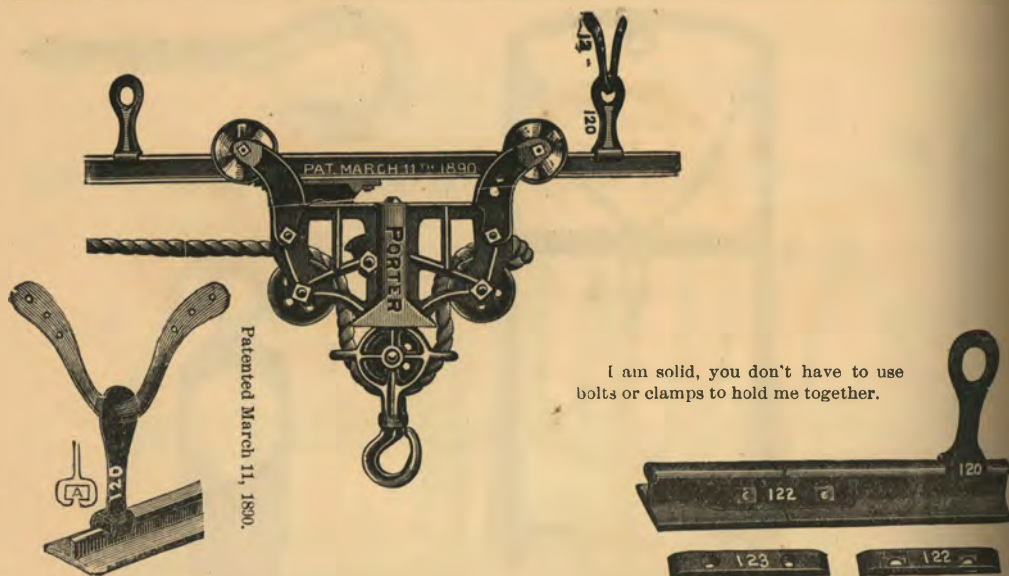
No. 45 Wood Pulley.

STEEL HOOK, WROUGHT PIN.

VERY STRONG AND DURABLE.

PRICE LIST.

Double Harpoon Forks, Steel,	Each, \$1.25
Knot Passing Pulleys,	Per Doz., 4.50
No. 45 Wood Pulleys,	" 4.00
Acme Iron Chilled Bearing Pulleys,	" 4.00
Floor Hooks,	" 1.25
Hook Bolt, for Wood Track;	" 1.25



*Porter's Steel Track Hay Carrier, Solid Steel Track
and Hangers.*

Carrier, with Bale Pulley,	Price, \$9.00
Steel Track, per ft.	" .15
Track Iron Hangers, per doz.,	" 1.25
Rafter Irons, per doz.,	" 1.00

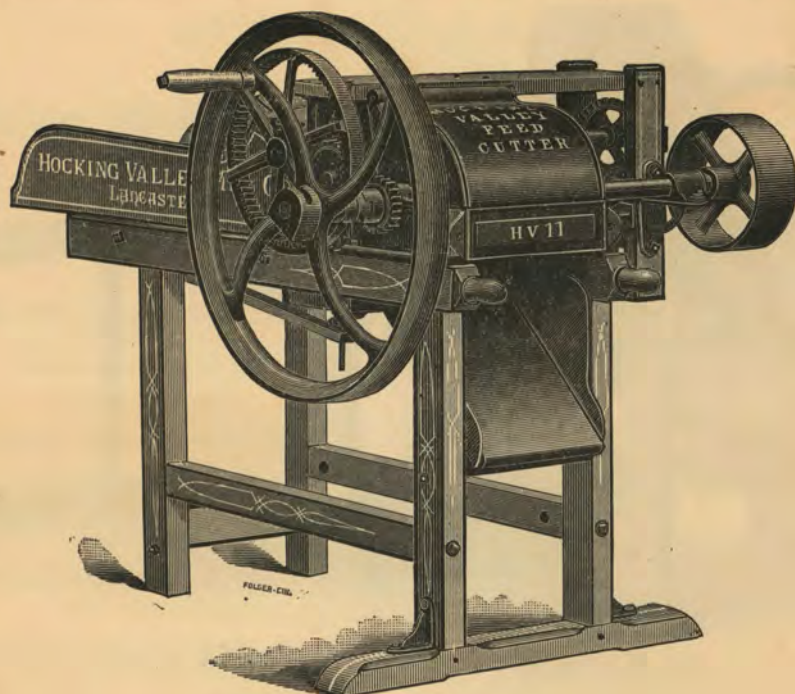
RATCHET JACK SCREWS.



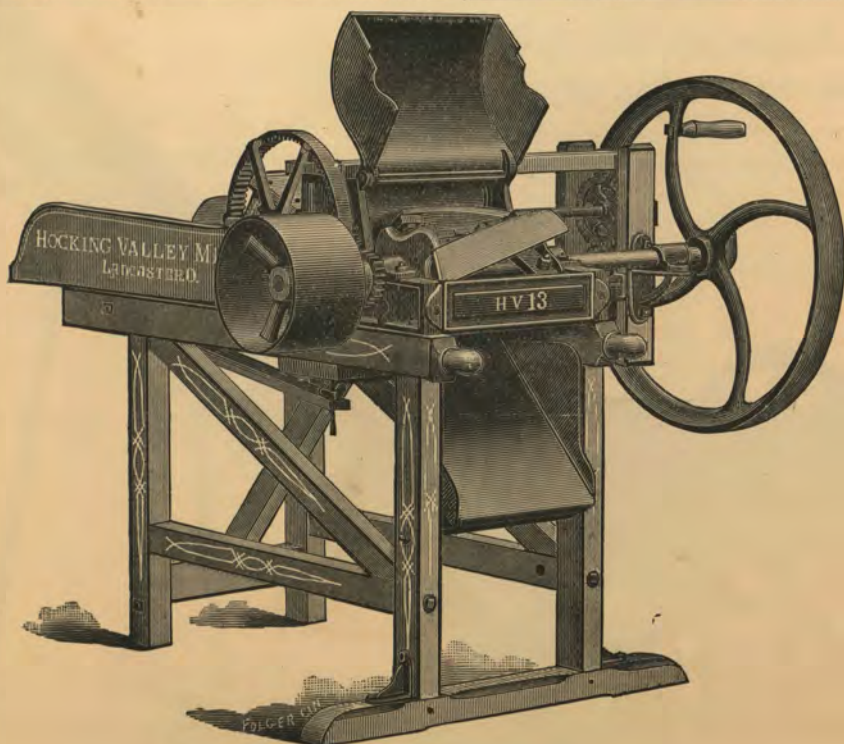
Price No. 4 Steel Screw, $1\frac{1}{8}$ inch diameter, without Brass Bush, Lift 8 inch,
Weight 62 lbs.,

\$6.00

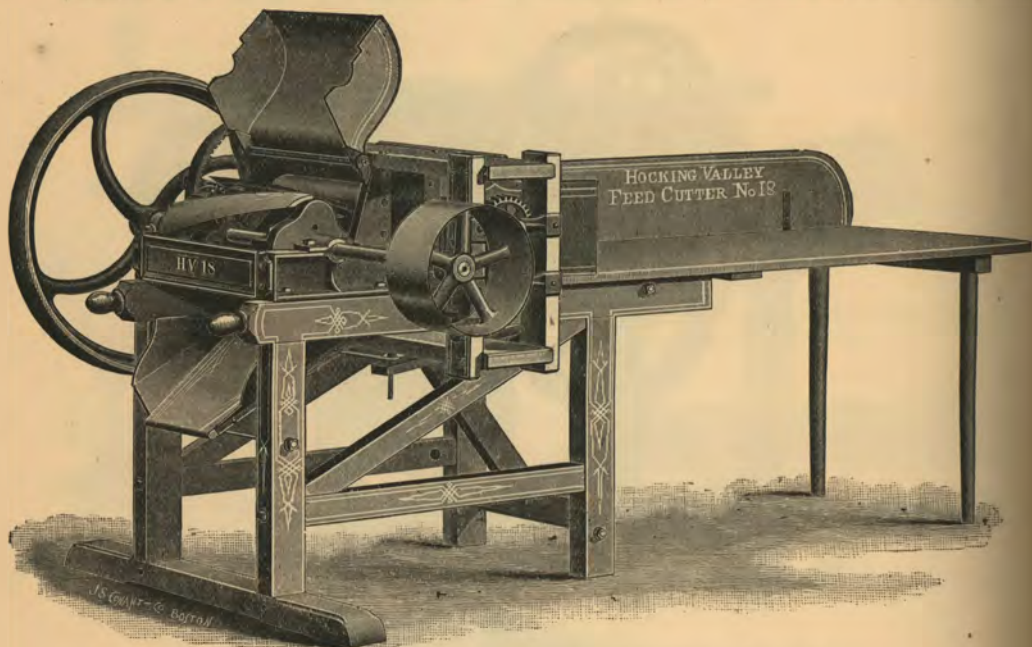
HOCKING VALLEY FEED CUTTER.



NO. 11 HAND AND POWER CUTTER.



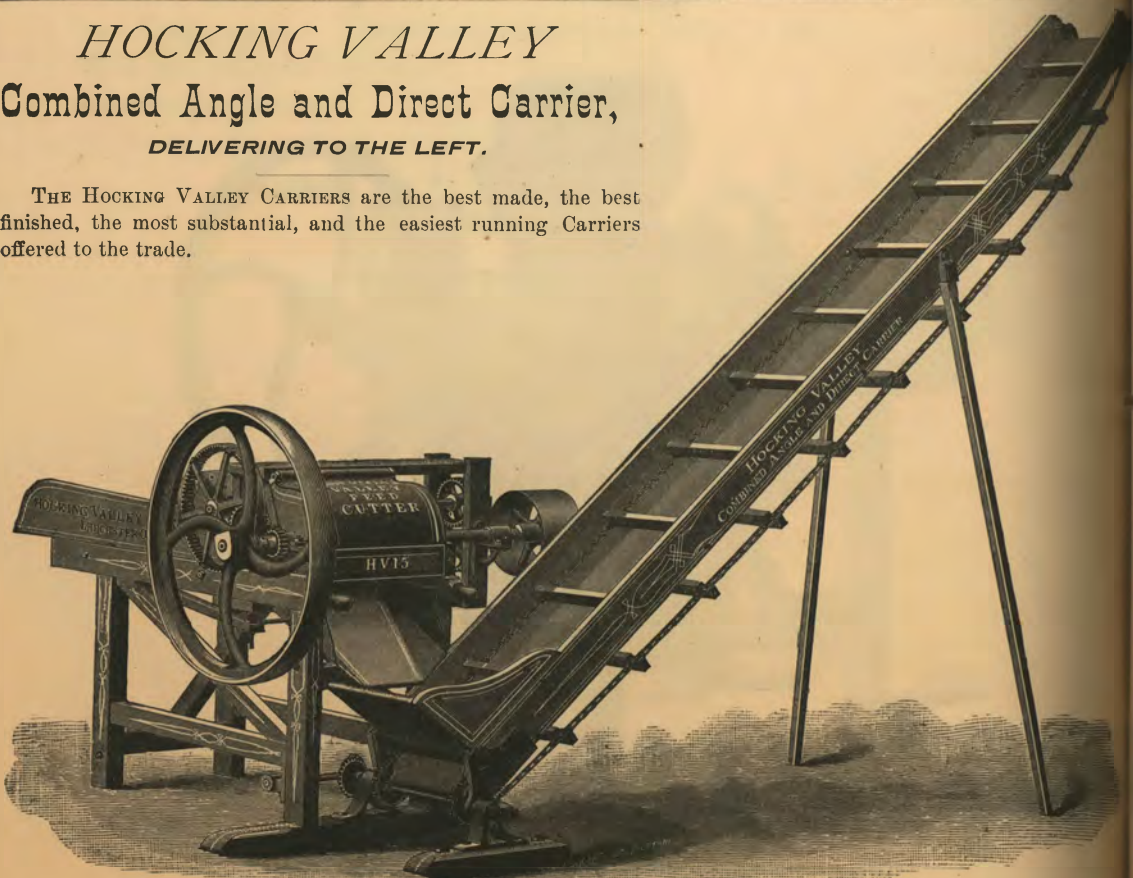
NO. 13 HAND AND POWER CUTTER

HOCKING VALLEY ENSILAGE CUTTER.

NO. 18 POWER CUTTER WITH CUTTING TABLE.

HOCKING VALLEY
Combined Angle and Direct Carrier,
DELIVERING TO THE LEFT.

THE HOCKING VALLEY CARRIERS are the best made, the best finished, the most substantial, and the easiest running Carriers offered to the trade.



HOCKING VALLEY

Fodder Ensilage Cutters Carriers.

PRICE LIST.

No. 9 HEAVY HAND CUTTER—Has three 9-inch knives, and will cut material of all kinds easily and rapidly. For a Hand Feed Cutter it is the most suitable size for all purposes. Length of cut, $\frac{3}{8}$ and $\frac{7}{8}$ inch.

Price.....\$30.00

No. 11 HAND AND POWER CUTTER—Has four 11-inch knives, is intended for hand and power, and has no equal. Length of cut, $\frac{1}{4}$, $\frac{1}{2}$, and 1 inch. Power required, one or two horse. Capacity about 2,000 lbs. dry feed per hour. Speed, 400 to 600 revolutions per minute. Weight, 350 lbs.

Price, with one Pulley and Safety Balance Wheel.....\$45.00

Combined Angle and Direct Carrier, 12 ft. long or under..... 30.00

Over 12 feet long, extra per foot..... 1.50

No. 13 HAND AND POWER CUTTER—Has four 13-inch knives, is intended for hand and power. It has the upward cut, rocking feed roller and knife shaft, with three bearings. The pulley and balance wheel can be used on either end of the shaft. Length of cut, $\frac{1}{4}$, $\frac{1}{2}$, and 1 inch. Capacity about 3,000 lbs. dry feed per hour. Power required, two horse. Speed, 400 to 600 revolutions per minute. Weight, 400 lbs.

Price, with one Pulley and Safety Balance Wheel.....\$60.00

With Cutting Table in place of Box, add..... 10.00

Combined Angle and Direct Carrier, 12 feet long or under..... 30.00

Over 12 feet long, extra per foot..... 1.50

No. 15 POWER CUTTER—Has four 15-inch knives, and is intended for power only. It is a very heavy, powerful machine, and is intended for large Farmers, Street Car and Livery Stable men and owners of Silos. In construction, it is similar in every respect to our other cutters, only heavier, larger and of greater capacity. Length of cut, $\frac{1}{4}$, $\frac{1}{2}$, and 1 inch. Power required, two or four horse. Speed, 400 to 600 revolutions per minute. Capacity, about five tons per hour.

Price, with one Pulley and Safety Balance Wheel, with Cutting Table.....\$85.00

Combined Angle and Direct Carrier, 12 feet long or under..... 32 00

Over 12 feet, extra per foot..... 1.60

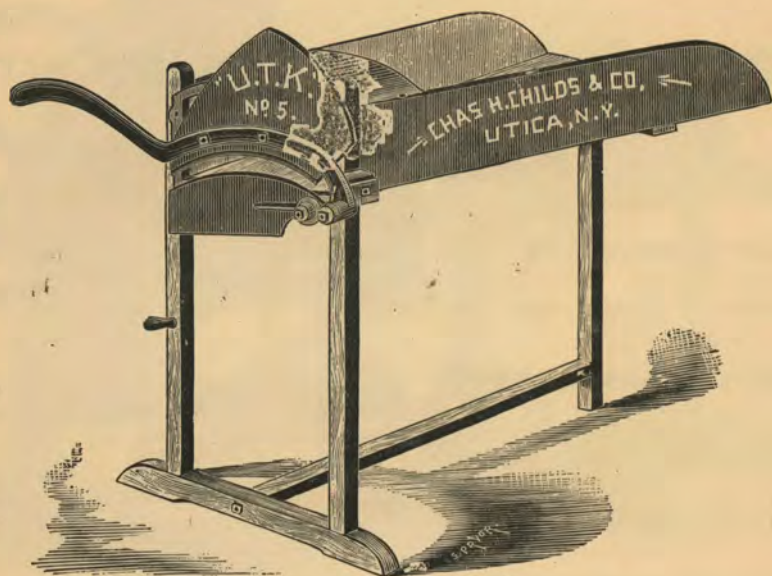
No. 18 POWER CUTTER WITH CUTTING TABLE—Has four 18 $\frac{1}{2}$ -inch knives, and is intended for power only. It is the heaviest and most powerful of the Hocking Valley Machines and is intended for owners of Silos and others who cut feed in large quantities. It is similar in construction to our other power Cutters, differing only in size, strength and capacity. Length of cut, $\frac{1}{4}$, $\frac{1}{2}$, and 1 inch. Power required, four to six horse. Speed, 400 to 600 revolutions per minute. Capacity, about eight tons of green fodder per hour. It is furnished with a large ensilage table, as shown in cut on page 56. The ensilage table is 7 feet long, 2 feet 9 inches wide at the rear end, and has a side board 9 inches high, which can be adjusted to either side, to accommodate the machine.

Price, with one Pulley and Safety Balance Wheel.....\$120.00

Combined Angle and Direct Carrier, 12 feet long and under..... 35.00

Over 12 feet, extra per foot..... 1.75

U. T. K. LEVER FEED CUTTERS.



SAVE FREIGHT AND STORAGE ROOM.

THE U. T. K. is the only Lever Feed Cutter so practical in construction that it can be knocked down for shipping, and when set up—three minutes work—have the knife come to a perfect adjustment. Every machine is put together and knife accurately adjusted at the factory.



AS THE KNIFE WEARS it can be easily and perfectly adjusted to the shear bar, by loosening bolt which holds axle arm, and moving the cam washer up or down.

DEALERS WILL APPRECIATE the advantage of buying these Cutters K. D., securely packed.

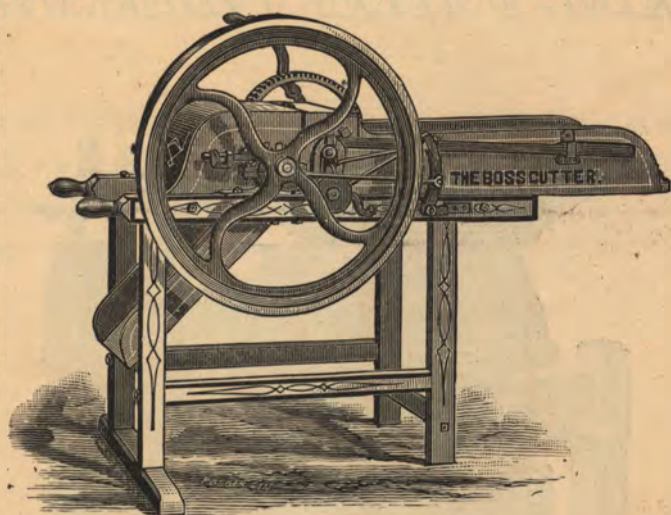
MACHINES made of the best material, nicely finished. Trade supplied in any quantity. Write for prices.

Price, with Gauge Plate, \$5.00



K. D. AND PACKED FOR SHIPPING.

No. 2 BOSS FEED CUTTERS.



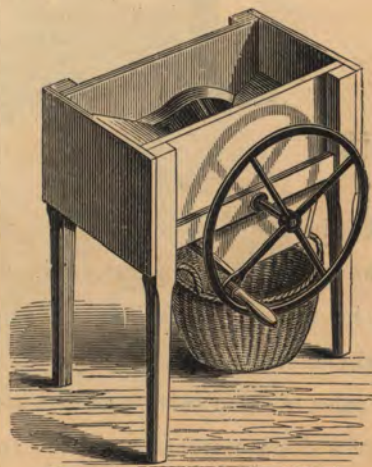
Hand Cutter with an 8 inch Knife.

Price, . . . \$20.00



*Burrall's Patent
Right Hand Corn Sheller.*

Price, . . . \$6.00



Lane Patent Root Cutter.

Works Easily and Cuts Very Rapidly.

Price, . . . \$14.00

HOCKING VALLEY CIDER MILLS.



THE HOCKING VALLEY CIDER MILLS have a record that cannot be matched. In the face of the strongest competition that any implement ever had to meet, their merits have been so obvious and so pronounced that they are now easily the Leading Mill wherever known. Since they were placed on the market, we have had very liberal sales of them each year, but we have not had a mill returned, nor have we ever heard of a single purchaser making any complaint against them.

Price of Senior Mill,	.	.	.	\$30.00
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Price of Junior Mill,	.	.	.	22.00
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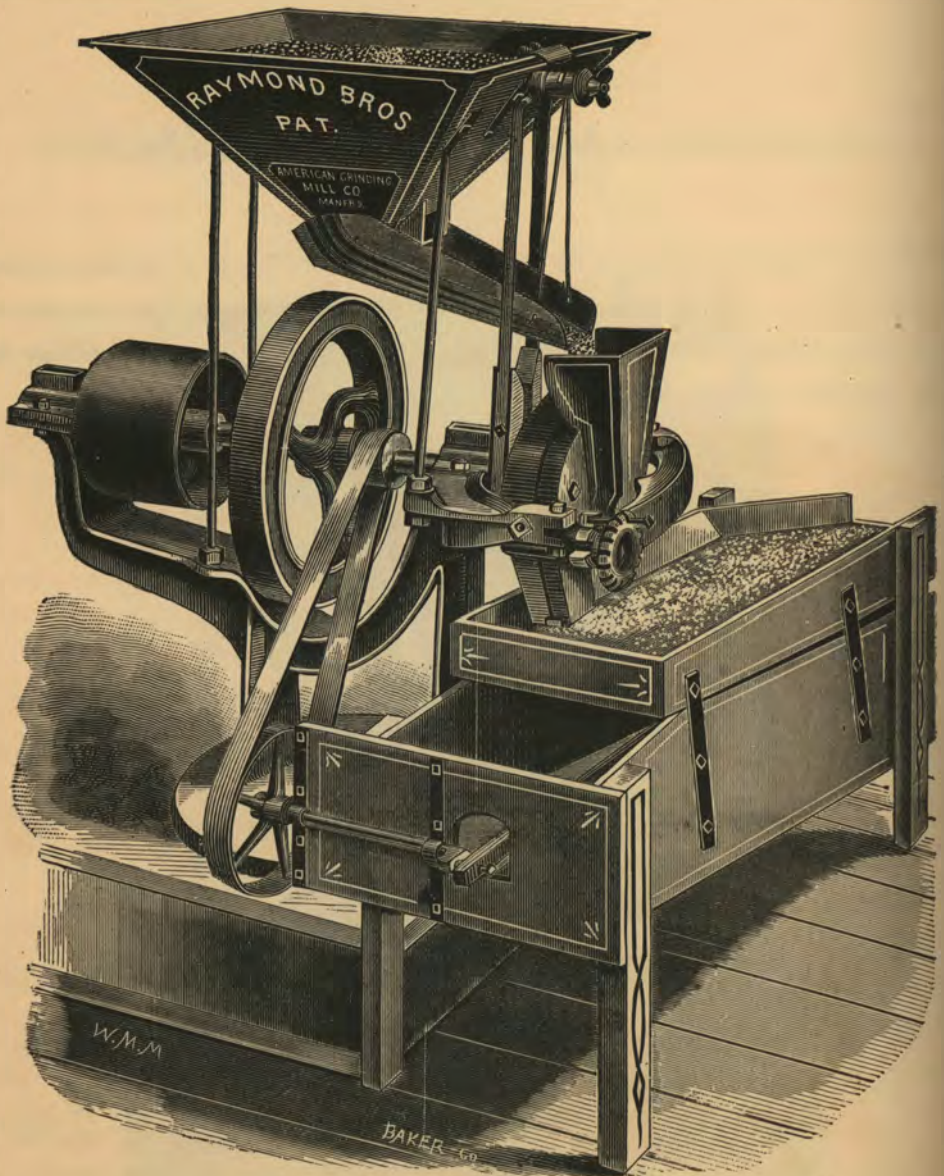
AMERICAN GRINDING MILLS.

THE following cuts represent the AMERICAN GRINDING MILLS of different capacity. The Mills are guaranteed to be first-class in every respect. They are simple in construction, durable, and easily managed. The prices are low, which brings them within the reach of all.



No. 3 Pulley Mill.

No. 3 has 8 in. pulley, 4 in. face, is built entirely of iron and steel. Power required, 2 to 4 horse; speed, 600 to 800 revolutions per minute; capacity, 10 to 15 bushels per hour.



No. 4, with Bolt Attachment.

No. 4, Pulley Mill with Bolt Attachment, has 8 inch pulley, 5 inch face, is built entirely of iron and steel, with hardened steel step. Power required, 3 to 5 horse. Speed, 600 to 1,000 revolutions per minute. Capacity, 15 to 20 bushels per hour.

This mill is constructed so as to belt in any direction, which makes it very convenient where parties have difficult places to take power from. It is very durable and neatly designed. The Bolt Attachment is a novelty of itself; is simple and easily attached; also makes the finest quality of corn meal and graham flour, and delivers the meal into basket or sack at the end of sieve. With this machine every farmer can be his own miller. This Mill can be run with or without Bolt Attachment.

No. 5, Pulley Mill,

Is same as No. 4, only of more capacity; has 10 inch pulley, 6 inch face; power required, 4 to 8 horse; speed required, 800 to 1,000 revolutions per minute; capacity, 20 to 35 bushels per hour; quality of work equal to any buhr stone.

This Mill is especially adapted to the use of large farmers, millers, feed dealers, warehouse men, etc. It can be run by steam, water or horse power. It is in every respect a first class Mill, and is fully guaranteed. We recommend this Mill with the Bolt Attachment, in every instance where parties wish to do extra fine grinding.

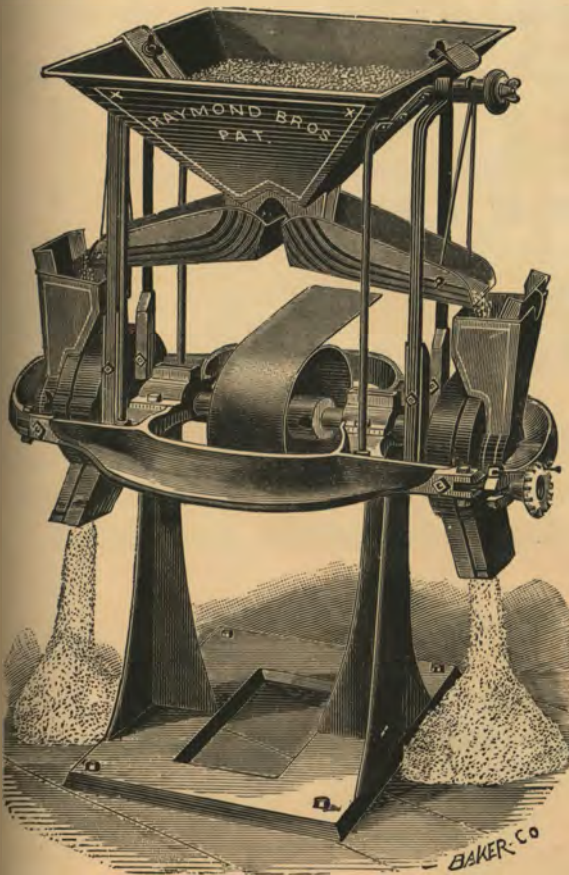
SEE PRICE LIST, PAGE 64.

No. 7, Double Mill.

No. 7 has a grinder on both ends of spindle, thus dispensing with the mill step and lateral friction. Has a 10 inch pulley, 6 inch face; power required, 8 to 10 horse; speed, 800 to 1,200 revolutions per minute; capacity, 30 to 50 bushels per hour. Has shake feed and will grind two kinds of grain at the same time, and keep each separate. This Mill is built entirely of iron and steel; is very durable and neatly designed.

No. 8, Double Mill,

Is our large size Double Mill, same as No. 7 only of more capacity; has no lateral friction, also no mill step to heat and get out of order. Has a 12 inch pulley, 8 inch face; power required, 10 to 14 horse; speed, 900 to 1,200 revolutions per minute; capacity, 50 to 65 bushels per hour. Has shake feed; is built entirely of iron and steel, and will grind two



kinds of grain at the same time, and keep each separate.

This Mill is rapidly becoming popular with millers, warehouse men, feed dealers, and others who desire a mill of large capacity. It is more especially adapted to be run by water or steam power. As a grinding mill, for large capacity and quality of work it has no equal. This fact is demonstrated by its coming into general use among mills and others desiring mills of greater capacity.

SEE PRICE LIST, PAGE 64.

AMERICAN GRINDING MILLS.

Important.—There is no danger of breaking any part of the mill when nails or any hard foreign substance enters the buhrs, as it is supplied with our **Patent Safety Device**, the wooden break pin. This is of great value, as without it the obstruction would break the mill or stop the horses, besides subjecting the mill to a severe strain.

These mills are very simple, durable, and easy to operate, as there is nothing to wear out except the buhrs, and one set will grind from 1,000 to 2,000 bushels of grain before being worn out, and can then be replaced in a few minutes' time at a small cost.

These Mills, if run according to directions as to Speed and Power, are Guaranteed to do as represented.

—❖— PRICE LIST. —❖—

No.		Price of Mills.	Price of Buhrs per set.	Size of Pulley Diam.	Face.	Revolutions per Minute.	Horse Power Required.	Capacity in bushels per hour.
3	Pulley Mill.....	\$48 00	\$1 50	8 in.	4 in.	600 to 800	2 to 3	10 to 15
4	“ “	60 00	1 50	8 “	5 “	600 to 1,000	3 to 4	15 to 20
5	“ “	75 00	2 00	10 “	6 “	800 to 1,000	4 to 8	20 to 35
7	Double Mill.....	80 00	1 50	10 “	6 “	800 to 1,000	8 to 10	30 to 50
8	“ “	90 00	2 00	12 “	8 “	900 to 1,200	10 to 14	50 to 65
	Bolting Attachment..	12 00						

STORE AND WAREHOUSE TRUCKS.



	PRICE.
Store Truck, No. 1,	\$ 6.00
“ “ “ 2,	8.00
“ “ “ 3,	11.00
Warehouse Truck, No. 4,	14.00
“ “ “ 5,	17.00

With Bent Iron Crossbars for Barrels, \$1.00 extra for Nos. 1 and 2; \$2.00 extra for larger sizes.

“EXPRESS” WHEELBARROW.



For Merchants' Delivery or Garden Use.

FINELY PAINTED AND FINISHED.

STEEL WHEEL.

WEIGHS 35 POUNDS.

WILL CARRY 500 POUNDS.

LIGHTEST, STRONGEST, NEATEST TO BE FOUND,

Securely Crated K. D. for Shipping.

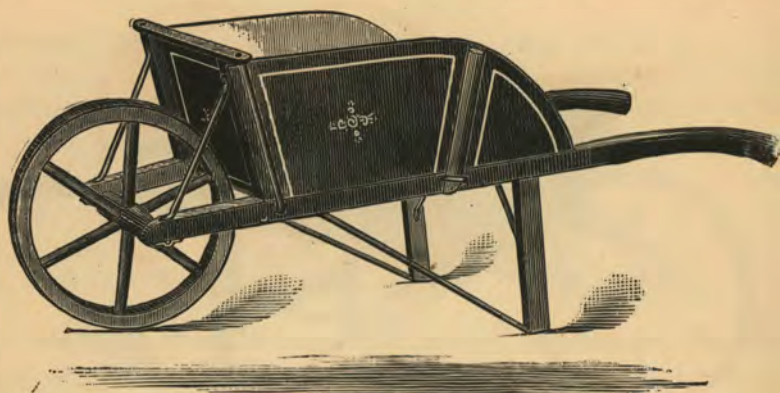
CANAL OR CONTRACTOR'S BARROW.



Price,

\$2.00

U. T. K. GARDEN WHEELBARROWS.

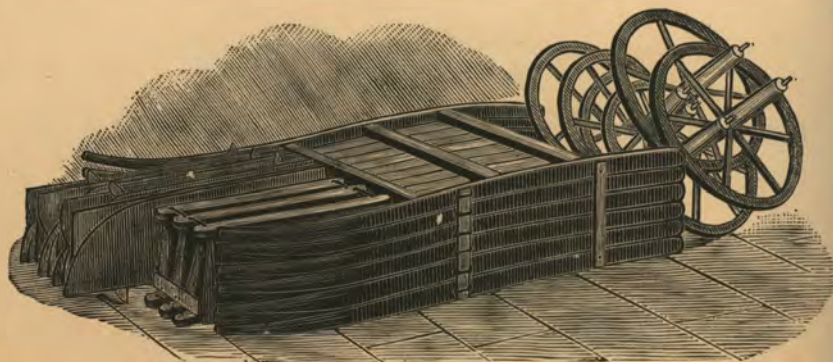


THESE BARROWS are so made that they can be **KNOCKED DOWN** and packed for shipping, when desired, as shown by cut below, thereby reducing freight charges and space for storage. These Barrows will be found splendid value at our prices.

No. 2, Small. Handles, 4 ft. 1½ in.; Body, 20½ x 18½ in., 9½ in. deep. Wood Wheel, 6 Spokes.

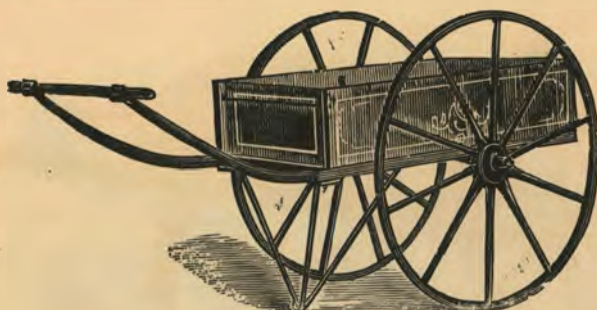
No. 4, Medium. Handles, 4 ft. 10 in.; Body, 26 x 21½ in., 12 in. deep. Wood Wheel, 6 Spokes.

No. 6, Large. Handles, 5 ft. 5 in.; Body, 30½ x 25 in., 12 in. deep. Wood Wheel, 6 Spokes.

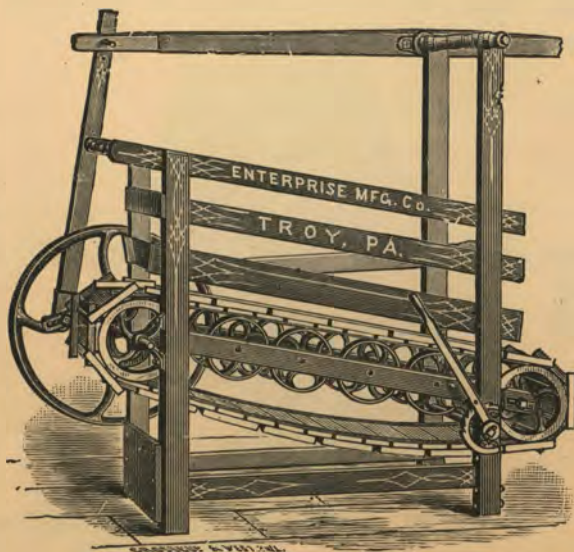


BARROWS KNOCKED DOWN AND PACKED FOR SHIPPING, WHEN DESIRED.

No. 2, - Price, \$3.50		No. 4, - Price, \$4.00		No. 6, - Price, \$4.50
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HAND CART.

- No. 36.**—Weighs 80 lbs. Is made with $\frac{7}{8}$ round iron axle, 34 inches long; wheels 30 inches high and one inch tread. Box 23 x 10, 10 inches high, and well ironed top. Price, \$10.00
- No. 36.**—With three wheels and springs, 13.00
- No. 30.**—Has $\frac{3}{4}$ iron axle, 29 $\frac{1}{2}$ inches long; wheels, 30 inches high and $\frac{7}{8}$ inch tread. Box 20 x 32 inches outside, and 9 inches high. A very substantial Cart for light work. Price, 9.00

ENTERPRISE DOG POWER.

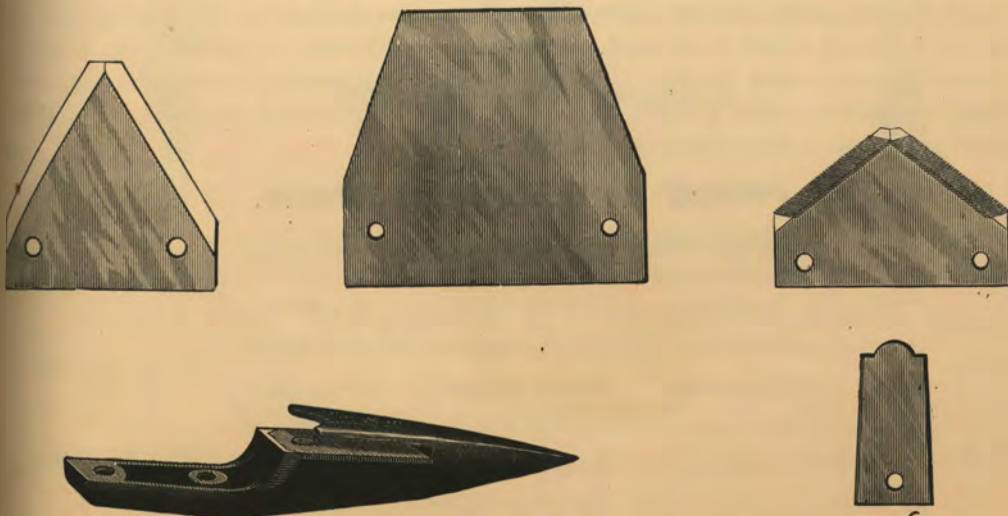
Above cut represents No. 1 Power with Sweep Attachment, all complete to attach to churn. It is strong and easy running.

- | | | |
|--|-----------|---------|
| No. 1 Power, | | \$14.00 |
| No. 0 " same as No. 1, without Sweep Attachment, | | 13.00 |

KEMP'S MANURE SPREADER.

Price of No. 1 Spreader, on Four Wheels, \$100.00

Price of No. 2 Spreader, on Four Wheels, 115.00

Mower and Reaper Knives, Sections and Extra Parts.

WE ARE GENERAL AGENTS FOR THE WHITMAN & BARNES MANUFACTURING CO.'S GOODS.

SEND FOR SPECIAL CATALOGUE.

IRON TURBINE WIND ENGINE.



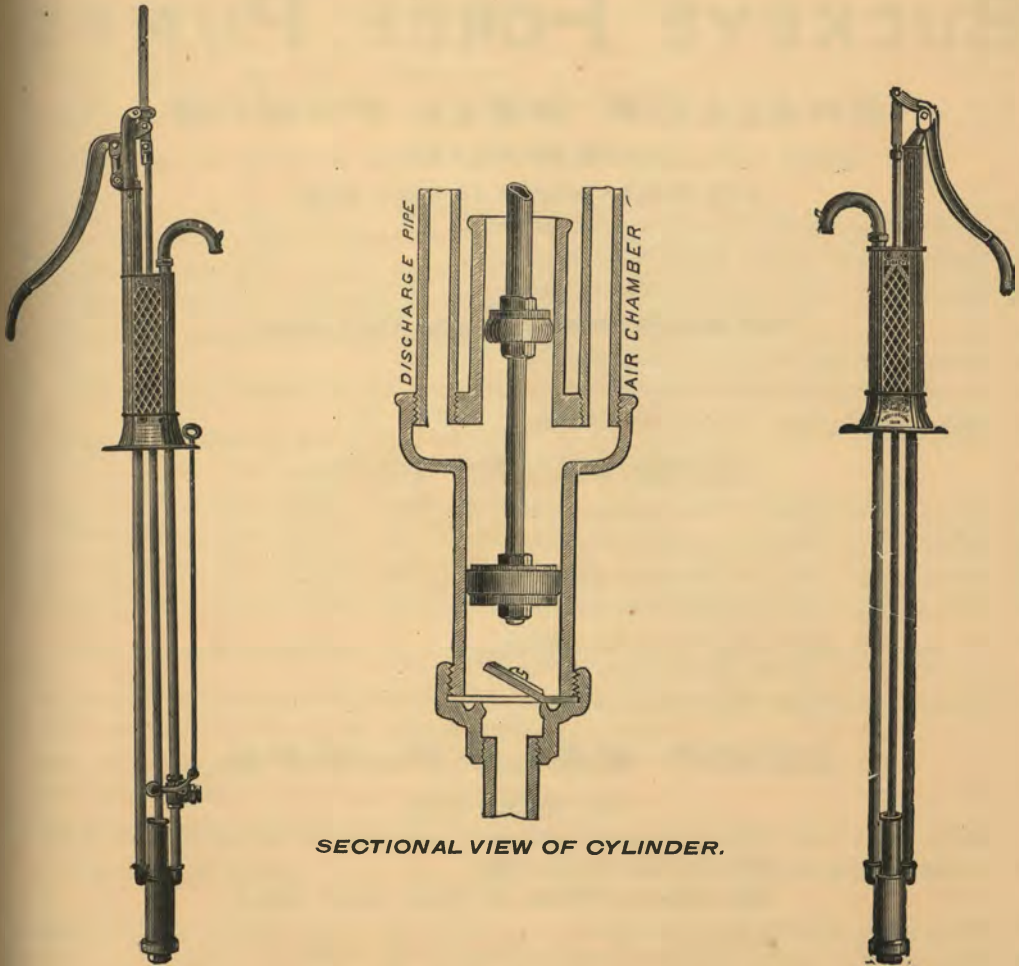
THE entire machine is made of iron. The Wheel and vane are made of No. 24 Sheet Iron, well bound and braced with the best quality of wrought bar iron, and so well put together that it is impossible for the wind to tear them to pieces or injure them in any way. The wheel being constructed on the Turbine principle causes it to give more power than any other wheel of the same diameter in the market, and as there is no wood about it to swell, shrink, rattle and be torn to pieces by the wind, it is certainly much more durable. It has a perfect automatic governor, by means of which it regulates itself in high winds or gales, and is provided with a brake to hold the wheel perfectly still when out of wind.

PRICE LIST OF ENGINES.

No. 1.	Diameter 8 feet.	For shallow wells where little water is needed.	Will pump water for 100 head of Stock.	Shipping Weight 400 pounds.	Price, \$75.00.
No. 2.	Diameter 10 feet.	For wells to 100 feet deep.	Will pump water for 200 head of Stock	Shipping Weight 450 pounds.	Price, \$85.00.
No. 3.	Diameter 12 feet.	For wells to 150 feet deep.	Will pump water for 400 head of Stock	Shipping Weight 600 pounds.	Price, \$125.00.

At above price we furnish the Wind Mill with actuating or Pump Rod for 36 foot Derrick, and connection for Pump, boxed ready for shipping. The Derrick or Tower, Pumps, Tanks, Pipe, etc., are extra. See Price List.

We recommend a ten foot wheel for stock pumping, as it will run in a lighter wind than the eight foot, and on that account will give better satisfaction during the calm summer months.

BUCKEYE FORCE PUMPS.

SECTIONAL VIEW OF CYLINDER.

WE have a large variety of these Pumps, for hand and wind mill use, adapted for wells of all kinds.

The value of a Pump is determined by its durability, simplicity, the ease with which it is operated in deep wells, protection from frost in winter, &c.

The Buckeye Pump possesses all these valuable qualities in a greater degree than any other Pump in the market. There are **100,000** of them in use in every part of the country, and the great demand created for them wherever introduced, attests their value.

We call especial attention to the simplicity of construction of this Pump. There is no stuffing or packing box, as in all other Force Pumps, and this fact alone should recommend the BUCKEYE above all other Force Pumps. The valves are simple and substantial, and are not liable to clog with sand and dirt.

See Following Pages.

PRICE LIST

OF

BUCKEYE FORCE PUMPS.

SHALLOW WELL PUMPS.

FOR HAND USE.

FOR WELLS UNDER 26 FEET DEEP.

No. 201 has a 3 in. cylinder, $5\frac{1}{2}$ feet below the platform.....	\$14 00
No. 204 has a $3\frac{1}{2}$ in. cylinder, $5\frac{1}{2}$ feet below the platform.....	16 00
No. 254 has a 4 in. cylinder, $5\frac{1}{2}$ feet below the platform.....	17 00

FOR WELLS FROM 26 TO 30 FEET DEEP.

No. 202 has a 3 in. cylinder, $9\frac{1}{2}$ feet below platform.....	\$15 50
No. 205 has a $3\frac{1}{2}$ in. cylinder, $9\frac{1}{2}$ feet below platform.....	18 00
No. 259 has a 4 in. cylinder, $9\frac{1}{2}$ feet below platform.....	19 50

WIND ENGINE TOPS.

No. 225 has a 3 in. cylinder, $5\frac{1}{2}$ feet below platform.....	\$15 00
No. 240 has a $3\frac{1}{2}$ in. cylinder, $5\frac{1}{2}$ feet below platform.....	17 00
No. 255 has a 4 in. cylinder, $5\frac{1}{2}$ feet below platform.....	18 00
No. 257 has a 5 in. cylinder, $5\frac{1}{2}$ feet below platform.....	30 00
No. 230 has a 3 in. cylinder, $9\frac{1}{2}$ feet below platform.....	16 50
No. 245 has a $3\frac{1}{2}$ in. cylinder, $9\frac{1}{2}$ feet below platform.....	19 00
No. 260 has a 4 in. cylinder, $9\frac{1}{2}$ feet below platform.....	20 50

DEEP WELL PUMPS.

FOR HAND USE.

NOTE.—All 3 inch Cylinder, or smaller, fitted for $1\frac{1}{4}$ inch pipe. All $3\frac{1}{2}$ inch Cylinders fitted for $1\frac{1}{2}$ inch Pipe. All 4 inch Cylinders fitted for 2 inch Pipe.

FOR WELLS FROM 30 TO 40 FEET DEEP.

No. 220 has a 4 in. porcelain-lined lower cylinder.....	\$19 50
No. 216 has a $3\frac{1}{2}$ in. porcelain-lined lower cylinder.....	17 00
No. 216, with $3\frac{1}{2}$ x13 in. brass cylinder, capped outside.....	19 00
No. 216, with $3\frac{1}{2}$ x13 in. brass cylinder, capped inside.....	19 00

FOR WELLS FROM 30 TO 70 FEET DEEP.

No. 215 has 3 in. porcelain-lined lower cylinder.....	\$15 00
No. 215, with 3x13 in. brass cylinder, capped outside.....	17 00
No. 215, with 3x13 in. brass cylinder, capped inside.....	17 00
No. 215, with 3x18 in. brass cylinder, capped outside.....	18 50
No. 215, with 3x18 in. brass cylinder, capped inside.....	18 50
No. 215, with 3x 18 in. bored iron lower cylinder, capped inside.....	18 00
No. 218 has a $2\frac{1}{2}$ in. porcelain-lined lower cylinder.....	15 00
No. 218, with $2\frac{1}{2}$ x13 in. brass cylinder, capped outside.....	17 00
No. 218, with $2\frac{1}{2}$ x13 in. brass cylinder, capped inside.....	17 00
No. 218, with $2\frac{1}{2}$ x18 in. brass cylinder, capped outside.....	18 50
No. 218, with $2\frac{1}{2}$ x18 in. brass cylinder, capped inside.....	18 50

FOR WELLS OVER 70 FEET DEEP.—For Hand Use.

No. 217 has a $2\frac{1}{4}$ in. porcelain-lined lower cylinder.....	\$15 00
No. 217, with $2\frac{1}{4}$ x13 in. brass cylinder, capped outside	17 00
No. 217, with $2\frac{1}{4}$ x13 in. brass cylinder, capped inside.....	17 00
No. 217, with $2\frac{1}{4}$ x18 in. brass cylinder, capped outside.....	18 50
No. 217, with $2\frac{1}{4}$ x18 in. brass cylinder, capped inside.....	18 50
No. 217, with $2\frac{1}{4}$ x18 in. bored-iron lower cylinder, capped inside.....	18 00

FOR WELLS FROM 30 TO 40 FEET DEEP.—With Wind Engine Tops.

No. 222 has a 4 in. porcelain-lined lower cylinder.....	\$20 50
No. 238 has a $3\frac{1}{2}$ in. porcelain-lined lower cylinder	18 00
No. 238, with $3\frac{1}{2}$ x13 in. brass cylinder, capped outside.....	20 00
No. 238, with $3\frac{1}{2}$ x13 in. brass cylinder, capped inside.....	20 00
No. 224 has a 5 in. porcelain-lined lower cylinder.....	33 00

FOR WELLS FROM 30 TO 50 FEET DEEP.—With Wind Engine Tops.

No. 237 has a 3 in. porcelain-lined lower cylinder.....	\$16 00
No. 237, with 3x13 in. brass cylinder, capped inside.....	18 00
No. 237, with 3x13 in. brass cylinder, capped outside.....	18 00
No. 237, with 3x18 in. brass cylinder, capped outside.....	19 50
No. 237, with 3x18 in. brass cylinder, capped inside.....	19 50
No. 237, with 3x18 in. bored-iron lower cylinder, capped inside.....	19 00

FOR WELLS FROM 30 TO 70 FEET DEEP.—With Wind Engine Tops.

No. 236 has a $2\frac{1}{2}$ in. porcelain-lined lower cylinder.....	\$16 00
No. 236, with $2\frac{1}{2}$ x13 in. brass cylinder, capped outside.....	18 00
No. 236, with $2\frac{1}{2}$ x13 in. brass cylinder, capped inside.....	18 00
No. 236, with $2\frac{1}{2}$ x18 in. brass cylinder, capped outside.....	19 50
No. 236, with $2\frac{1}{2}$ x18 in. brass cylinder, capped inside.....	19 50

FOR WELLS FROM 30 TO 100 FEET DEEP.—With Wind Engine Tops.

No. 239 has a $2\frac{1}{4}$ in. porcelain-lined lower cylinder.....	\$16 00
No. 239, with $2\frac{1}{4}$ x13 in. brass cylinder, capped outside.....	18 00
No. 239, with $2\frac{1}{4}$ x13 in. brass cylinder, capped inside.....	18 00
No. 239, with $2\frac{1}{4}$ x18 in. brass cylinder, capped outside.....	19 50
No. 239, with $2\frac{1}{4}$ x18 in. brass cylinder, capped inside.....	19 50
No. 239, with $2\frac{1}{4}$ x18 in. bored iron lower cylinder, capped inside.....	19 00

FOR WELLS OVER 100 FEET DEEP.—With Wind Engine Tops.

No. 234 has a $2\frac{1}{4}$ in. porcelain-lined lower cylinder.....	\$18 00
No. 234, with $2\frac{1}{4}$ x13 in. brass cylinder, capped outside.....	20 00
No. 234, with $2\frac{1}{4}$ x13 in. brass cylinder, capped inside.....	20 00
No. 234, with $2\frac{1}{4}$ x18 in. brass cylinder, capped outside.....	21 50
No. 234, with $2\frac{1}{4}$ x18 in. brass cylinder, capped inside.....	21 50
No. 234, with $2\frac{1}{4}$ x18 in. bored-iron lower cylinder, capped inside.....	21 00

PRICE LIST

OF

BUCKEYE FORCE PUMPS.

(CONTINUED.)

CASING PUMPS.

FOR HAND USE.

FOR 4 INCH AND LARGER DRILLED WELLS, FROM 30 TO 50 FEET DEEP.

No. 415, 3 inch porcelain-lined lower cylinder, capped inside.....	\$15 00
No. 415, with 3x13 in. brass cylinder, capped inside.....	17 00
No. 415, with 3x18 in. brass cylinder, capped inside.....	18 50

FOR 3½ INCH AND LARGER DRILLED WELLS, FROM 50 TO 70 FEET DEEP.

No. 418, 2½ in. porcelain-lined lower cylinder, capped inside.....	\$15 00
No. 418, with 2½x13 in. brass lower cylinder, capped inside.....	17 00
No. 418, with 2½x18 in. brass lower cylinder, capped inside.....	18 50

FOR 3 INCH AND LARGER DRILLED WELLS, OVER 80 FEET DEEP.

No. 417, with 2½ in. porcelain-lined lower cylinder, capped inside.....	\$15 00
No. 417, with 2½x13 in. brass cylinder, capped inside.....	17 00
No. 417, with 2½x18 in. brass cylinder, capped inside.....	18 50

WITH WIND ENGINE TOPS.

FOR 4 INCH AND LARGER DRILLED WELLS, FROM 30 TO 50 FEET DEEP.

No. 437, 3 in. porcelain-lined lower cylinder, capped inside.....	\$16 00
No. 437, with 3x13 in. brass cylinder, capped inside.....	18 00
No. 437, with 3x18 in. brass cylinder, capped inside.....	19 50

FOR 3½ INCH AND LARGER DRILLED WELLS, FROM 30 TO 70 FEET DEEP.

No. 436, 2½ in. porcelain-lined lower cylinder, capped inside.....	\$16 00
No. 436, with 2½x13 in. brass cylinder, capped inside.....	18 00
No. 436, with 2½x18 in. brass cylinder, capped inside.....	19 50

FOR 3 INCH AND LARGER DRILLED WELLS, FROM 30 TO 150 FEET DEEP.

No. 439, 2½ in. porcelain-lined lower cylinder, capped inside.....	\$16 00
No. 439, with 2½x13 in. brass cylinder, capped inside.....	18 00
No. 439, with 2½x18 in. brass cylinder, capped inside.....	19 50

"U. T. K." PUMPS.

Made of Best Selected Timber; First-Class in Every Respect;
Nicely Painted and Finished; Patent Iron
Handle Bracket; Iron Spout.

❖ PRICE LIST. ❖

No. 0 Stock Pumps—7 x 7.

Porcelain Lined, 7 feet long,	\$8.30
“ “ 8 “ “	8.30
Without Lining, 7 “ “	6.70

No. 1 Pumps—6 x 6.

Porcelain Lined, 7 feet long,	\$6.85
“ “ 10 “ “	8.30
Without Lining, 7 “ “	5.35

No. 2 Pumps—5 x 5.

Without Lining, 7 feet long,	\$4.50
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No. 0 Pipe, $4\frac{1}{2} \times 4\frac{1}{2}$, 2 inch bore, per foot, . **18c.**

No. 1 Pipe, 4 x 4, $1\frac{3}{4}$ inch bore, per foot, . **15c.**

No. 2 Pipe, $3\frac{1}{2} \times 3\frac{1}{2}$, $1\frac{1}{2}$ inch bore, per foot, . **12c.**

Couplings for Nos. 0 and 1 Pipe, with Welded Bands, \$0.40

Couplings for No. 2 Pipe, with Welded Bands, .40

Iron Spouts, Japanned, each, .30

Plungers complete, Leather, 4 inch, 1 00

“ “ “ $3\frac{1}{2}$ “ .80

“ “ “ 3 “ .80

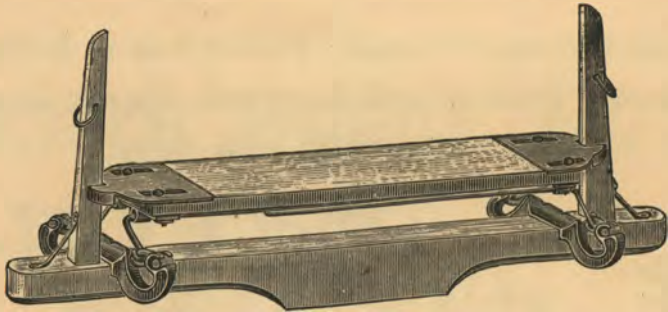
Extra Check Valves, per dozen, 1.50

Iron Brackets, per pair, .40

Handles, Nos. 0, 1 and 2, each, .30



U. T. K. BOLSTER SPRINGS.



THE Springs are of the "**Torsion**" style, which long usage and severe tests have proven to be very durable and less liable to break than any of the numerous Bolster Springs on the market.

Our manner of hanging the springs admits of their easy action. They carry the load with an easy, springing motion. No strain upon the Bolster Stakes. By the adjustable malleable iron pieces at either end, the springs can be fitted to any bolster, put on and taken off in a moment's time. The hangers and links to which springs are attached, are malleable iron. The U. T. K. Bolster Springs are warranted to carry to their full capacity, as per price list below.

PRICE LIST.

To carry 1,000 lbs	\$7 00 per set
" 1,500 "	8 00 "
" 2,000 "	8 00 "
" 2,500 "	9 00 "
" 3,000 "	9 00 "

To carry 3,500 lbs	\$10 00 per set.
" 4,000 "	10 00 "
" 5,000 "	11 00 "
" 6,000 "	12 00 "



Torsion Spring Seat.

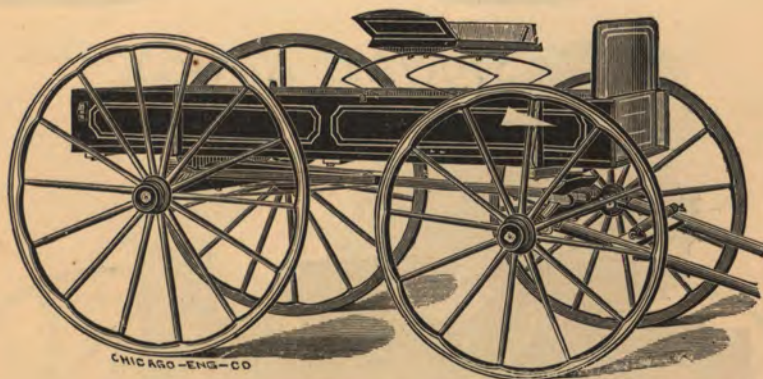
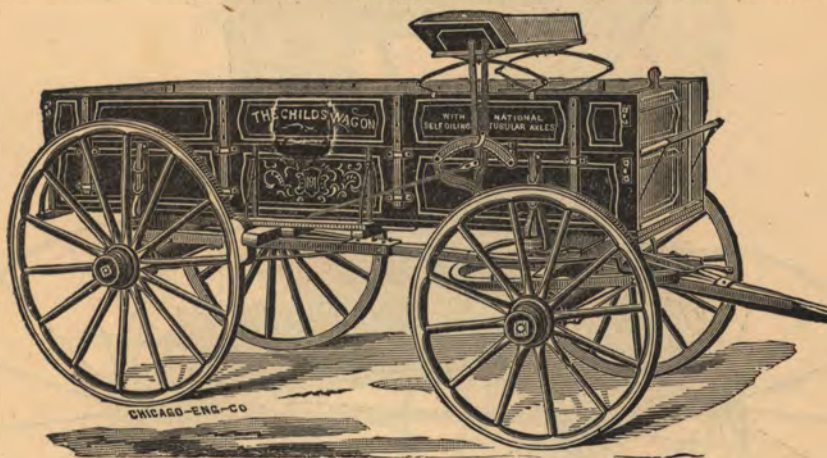
Seat complete	\$4 00
Seat Springs, per set	3 00



Cliff's Spring Seat.

Seat complete	\$2 00
Seat Springs, per set	1 25

FARM AND FREIGHT WAGONS.



OUR STANDARD ONE HORSE WAGON.

We have a very full and complete line of **Farm and Freight Wagons.**

 Send for Special Catalogue and Price List.

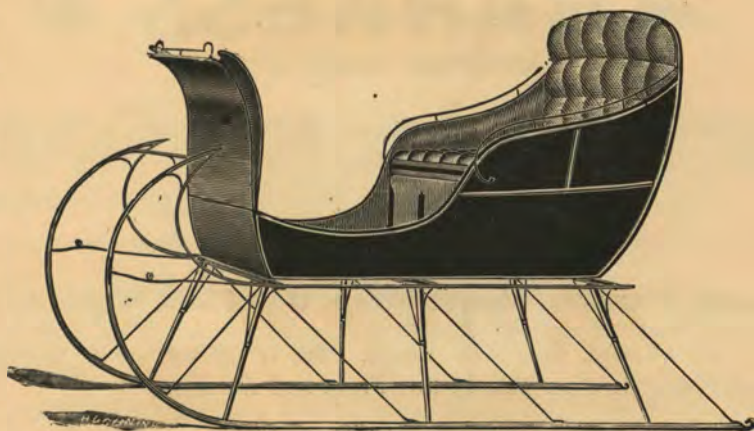


END SPRING BUGGY.

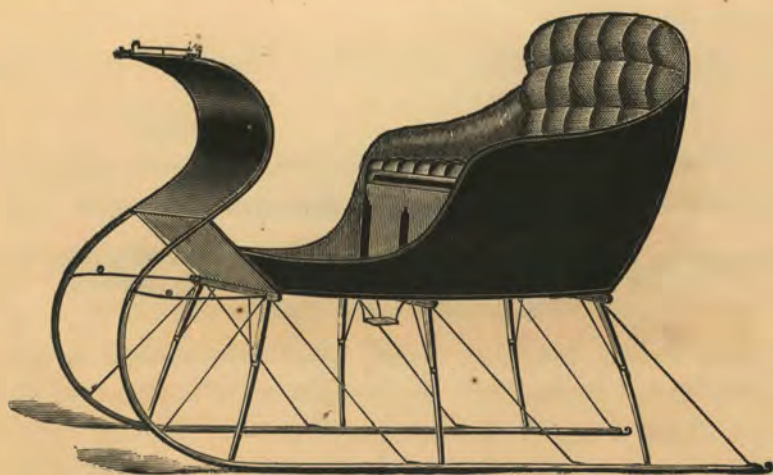


THREE-SPRING WAGON.

 Send for Special Catalogue and Circulars on Wagons, Buggies and Carts.



No. 10, OLD COMFORT.



No. 2, PORTLAND.

 Send for Special Catalogue of Sleighs.

❖ HARNESS. ❖

LIGHT, SINGLE, AND DOUBLE. PRICE LIST.

No. 4 Single Harness, Single Strap, Hand and Machine Stitched.

BRIDLE— $\frac{1}{2}$ inch Cheeks, long Box Loops, Flat Overdraw only, Rounded Winker Stays, Patent Leather Blinds, fine Front and Rosettes.

LINES— $\frac{7}{8}$ inch front, 1 inch hand parts, looped in.

BREAST COLLAR—Solid Single Strap.

TRACES—Single Strap, $1\frac{1}{8}$ inch wide, buckled on or attached. Neck Strap, Single Strap.

SADDLE—3 inch Patent Leather Skirts and Jockeys, Leather Lining and Welt, Hand Laced.

SHAFT TUGS—Double and Stitched.

BELLY BANDS—Single Strap.

BREECHING—Heavy Single Leather, Round Braces, lays waved, no Martingale.

PRICE, - - - \$13.50.

No. 6 Single Harness.

Folded Breeching and Breast Collar, Traces Double and Stitched, Trimmings Nickel Sensible, Nickel Wire Ball or Davis Rubber, Hand and Machine Stitched.

BRIDLE— $\frac{1}{2}$ inch Cheeks, long Box Loops, round Side Checks or flat Overdraw, rounded Winker Stays, Patent Leather Blinds, Fancy Front and Rosettes.

LINES— $\frac{7}{8}$ inch Fronts, 1 inch Hand Parts, looped in.

BREAST COLLAR—Folded, wave lay; Folded Neck Strap, wave lay.

TRACES—1 inch, Double and Stitched.

SADDLE—3 inch Patent Leather Jockey's, Leather Lining, and Welt hand Laced Patent Leather Loops.

SHAFT TUGS—Box Loops, Double and Stitched, folded Belly Bands.

BREECHING—Folded Body, wave lay, round Stitched Braces.

MARTINGALE—Flat, Forked, Fancy Rings.

PRICE, - - - \$15.00.

No. 8 Single Harness, Single Strap, Trimmings Nickel Sensible, Nickel Wire Ball or Davis Rubber, all Hand Stitched.

BRIDLE— $\frac{1}{2}$ inch Cheeks, long Box Loops, round Side Check or Flat Overdraw, rounded Winker Stays, Patent Leather Blinds, Fancy Nickel or Gilt Front and Rosettes to match trimmings.

LINES—1 inch, flat, looped in.

BREAST COLLAR—2 inch, solid, Single Strap, wave Points.

TRACES— $1\frac{1}{8}$ inch, solid, Single Strap to buckle, or sewed on, Double and Stitched at both ends.

SADDLE—3 inch Patent Leather Jockey's, Leather Lining and Welt, Patent Leather Loops, Hand Laced.

SHAFT TUGS—Box Loops, Double and Stitched Swing Billets, Folded Inside Belly Band, Single Strap Outside Belly Band, looped together.

BREECHING— $1\frac{5}{8}$ inch, solid, Single Strap, wave lay at ends, Double and Stitched Braces, Barnard's Patent Breeching Dees.

MARTINGALE— $\frac{7}{8}$ inch, Single Strap, Forked, Fancy Rings.

PRICE, - - - \$16.00.

No. 10 Single Harness, Single Strap, Trimmings Nickel Sensible, Wire Ball or Davis Rubber, all Hand Stitched.

BRIDLE— $\frac{1}{2}$ inch Cheeks, long Box Loop, round Side Check or Flat Overdraw, Patent Leather Blinds, Fine Nickel or Gilt Front, and Rosettes to match trimmings.

LINES— $1\frac{1}{8}$ inch, hand part, looped in.

BREAST COLLAR—2 inch, Solid, Single Strap. Traces to buckle, or sewed on. Double and Stitched Eye.

SADDLE—3 inch Patent Leather Jockey's, Leather Lining and Welt, Hand Laced Patent Leather Loops.

BREECHING— $1\frac{3}{4}$ inch, solid Single Strap, Double and Stitched Braces, waved lay at ends, Barnard's Patent Breeching Dees.

SHAFT TUGS—Box Loops, Broad Leather, with billet strap over. Belly Band, looped together.

MARTINGALE—1 inch, Flat Fork, Rubber Rings.

PRICE, - - - \$18.00.

No. 12 Single Harness, Single Strap, Trimmings Nickel Sensible, Nickel Wire Ball or Davis Rubber, all Hand Stitched.

BRIDLE— $\frac{1}{2}$ inch Cheeks, long Box Loops, round Side or Flat Overdraw Check, Patent Leather Blinds and Front, Fancy Nickel or Gilt Rosettes to match trimmings, Round Stitched Winker Stays.

LINES— $1\frac{1}{8}$ inch, flat, looped in.

BREAST COLLAR—2 inch, solid, Single Strap, Traces buckled or sewed on, Double and Stitched Eye, wear Leather under Buckles.

SADDLE—3 inch Patent Leather Jockey's, Covered Seat, Leather Lining and Welt, Patent Leather Loop, Hand Laced.

SHAFT TUGS—Box Loops, Double and Stitched, Belly Bands looped together.

BREECHING— $1\frac{3}{4}$ inch, solid, Single Strap, Double and Stitched Braces, waved lay on ends, Barnard's Patent Breeching Dees, and Patent Hip Strap Buckles.

MARTINGALE— $1\frac{1}{4}$ inch, Flat, Forked Rubber Rings. Is made perfectly plain without any creasing, Edges nicely rounded.

PRICE, - - - \$22.00.

No. 14 Single Harness, Single Strap, Genuine Hard Rubber Trimmings.

Description Same as No. 12.

PRICE, - - - \$26.00.

No. 15 Single Harness, Hand and Machine Stitched.

BRIDLE— $\frac{1}{2}$ inch long Box Loop Cheeks, Patent Leather Winkers, round Side or flat Overdraw Check.

LINES—Flat, black, 1 inch front, $1\frac{1}{8}$ inch hand part, looped in.

BREAST COLLAR—Folded, with wave layer, box loops, wear leather under trace buckles.

NECK STRAP—Wave layer.

TRACES—1 inch, Double and Stitched, full length, to buckle on breast collar.

BREECHING—Folded, wave layer, round braces, Crupper sewed or buckled on.

SADDLE—3 inch Leather Jockey's, Leather Lined, and Welt Hand Laced.

THILL TUGS—Box Loops, Double and Stitched.

FOLDED BELLY BANDS.

TRIMMINGS—Genuine Rubber.

MARTINGALE—Flat, Forked, Fancy Rings.

PRICE, - - - \$20.00.

No. 20 Light Double Harness, Trimmings, Nickel or Davis Rubber.

BRIDLES— $\frac{1}{2}$ inch long Cheek Loops, Flat Overdraw Check only, Rounded Winker Stays, Fancy Gilt or Nickel Front, and Rosettes to match trimmings.

COLLARS—Full Patent Leather with Russet Bellies.

TRACES—1 inch, Double and Stitched.

HAMES—2 Spot Nickel or Gilt to match, Davis' Rubber long Box Loop on Hame Tugs.

PADS—Fancy Coach with Housings, Back strap waved, Double and Stitched, Folded Cruppers.

PRICE, - - - \$27.00.

No. 25 Light Double Driving Harness, Hand and Machine Stitched.

BRIDLES— $\frac{1}{2}$ inch Box Loop Cheeks, fine Plated Leather Winkers, round Side or Flat Overdraw Checks, fine Front, and Rosettes to match trimmings.

LINES—Flat, black, $\frac{7}{8}$ inch Front, 1 inch hand parts.

COLLARS—Patent Leather, Bent Top.

HAMES—7 lbs. Wrought Steel, two spot, Bent Top.

TRACES—1 inch wide, Choke Straps 1 inch wide, Spread Straps and Rings.

PADS—Coach, with fine Chain Housings, Post Hooks and Terrets, Long Skirts, Round Trace Loops, Back Strap Scaloped, Round Crupper, Flax Seed Stuffed, stitched on.

BELLY BANDS—Folded.

TRIMMINGS—Full Nickel, on Composition or Davis' Rubber, Solid Gilt Lined.

PRICE, - - - \$31.25.

GILT OR NICKEL MARTINGALE CHAINS, *Extra*, \$1.50.

No. 30 Light Double Harness, Trimmings, Nickel or Davis Rubber.

BRIDLES— $\frac{1}{2}$ inch long Box Cheek Loops, Patent Leather Winkers, Metal bound round Side or Flat Overdraw Checks, fine Front, Bits and Rosettes.

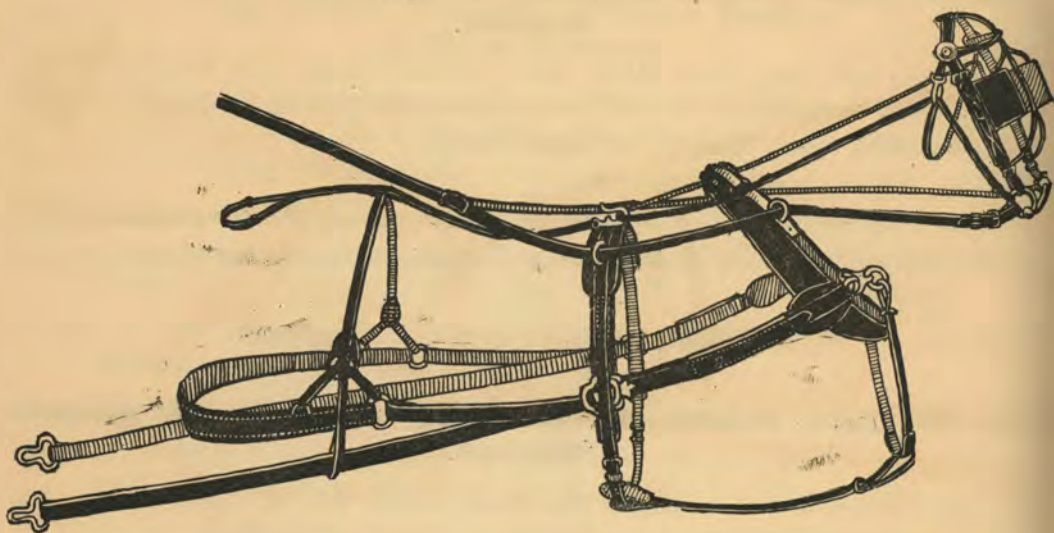
LINES—Flat, black, $\frac{7}{8}$ inch Fronts, 1 inch Hand parts.

COLLARS—Patent Leather, Bent Top, Hames, Wrought Iron, Traces $1\frac{1}{8}$ inch wide, raised, two ply, stitched full length, long Box Loop on Hame Tugs.

POLE STRAPS— $1\frac{1}{4}$ inch wide, Choke Straps, 1 inch wide, Spread Straps and Rings.

PADS—Coach, Patent Leather, with Patent Leather Lining, long Skirts, Post Hooks and Terrets, Scaloped Back Straps, Round Flax Seed Stuffed Crupper, stitched on, folded Belly Bands, with Nickel or Gilt Chain Martingales.

PRICE, - - - \$42.00.



(Above Cut represents our medium weight Slip Tug Harness. $1\frac{1}{4}$ inch.)

SLIP TUG TEAM HARNESS.

BRIDLES— $\frac{5}{8}$ inch throughout, round checks, box loops on cheeks, patent leather blinds.

LINES—14 feet long by 1 inch wide, solid leather.

TRACES— $1\frac{1}{4}$ inch wide, raised and stitched, 5 to the inch.

HAME TUGS—Box loops, 10 inches long.

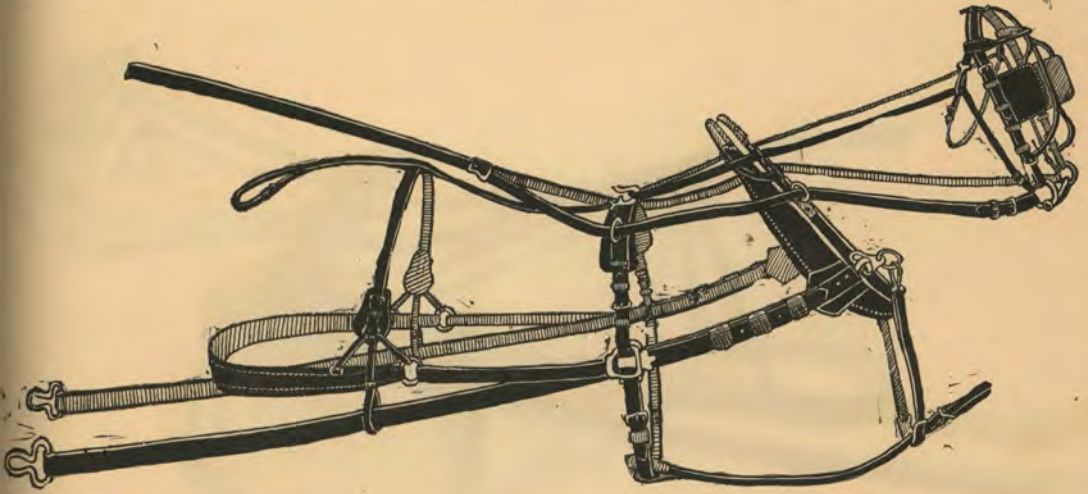
HAMES—Low top, X. C. trimmed.

BELLY BANDS—Folded and stitched.

PADS—Stuffed, with housings, nickel band, terrets and hooks.

This harness is what we term our Farmers' Coach, for this reason: It is the handiest for all kinds of use. It is light enough for spring wagon or buggy and still not so light but what it can be used for lumber wagon or plowing.

Price, - - \$30.00.



(Above Cut represents our Farm or Team Harness. $1\frac{1}{2}$ inch.)

FARM OR TEAM HARNESS.

BRIDLES— $\frac{3}{4}$ inch, round reins and winker stays, patent or common leather blinds.

LINES—1 inch by 21 feet long.

COLLARS—Hand-made, No. 1 team, all Neats leather, two buckles.

HAMES—C plate top, with heavy 3-ply hame tugs.

TRACES— $1\frac{1}{2}$ inch, 3 ply leather, hand sewed, 5 to the inch.

PADS—Swell with housings, with hook and terrets, folded ,belly bands.

BACKSTRAP—1 inch, flat cruppers buckled on.

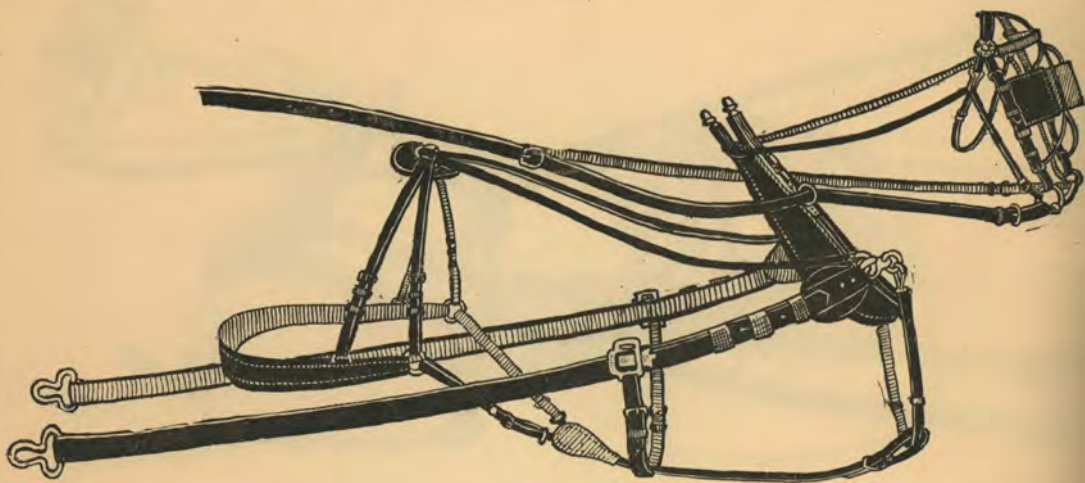
HIP STRAPS— $\frac{7}{8}$ inch, with trace carriers.

MARTINGALES— $1\frac{1}{2}$ inch, heavy leather.

BREAST STRAPS— $1\frac{1}{2}$ inch.

BREECHING—Folded, full layer, two rows hand stitched, breeching straps $\frac{7}{8}$ inch,
lazy straps $\frac{7}{8}$ inch, hip straps $\frac{7}{8}$ inch.

Price, - - \$30.00.



(Above Cut represents our heavy Farm or Truck Team Harness. $1\frac{3}{4}$ inch.)

FARM OR TRUCK TEAM HARNESS.

BRIDLES— $\frac{3}{4}$ inch, round checks, square common leather blinds.

LINES—21 feet long, 1 inch wide, heavy solid leather.

HAMES—X. C. over top.

TRACES— $1\frac{1}{4}$ inch, by 5 feet four inches, 3-ply, heavy leather, stitched 5 to the inch.

BELLY BANDS—Folded and filled with heavy leather and stitched.

BREECHING—Folded with layer, two rows of stitching.

MARTINGALES AND BREAST STRAPS— $1\frac{1}{2}$ inch solid leather.

This harness has run straps, snaps and slides.

Price, - - \$33.00.

