

THE
PATTEE'S PATENT
NEW DEPARTURE.
2 HORSE



Straddle Row

WALKING CULTIVATOR

MANUFACTURED BY

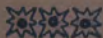
PATTEE PLOW COMPANY
MONMOUTH ILL

S.K. Wray Hdw. Co. Agts

HOPKINS, MO.

1902

1902	Jan	Feb	Mar	April	May	June
Sunday	1	2	3	4	5	6
Monday	2	3	4	5	6	7
Tuesday	3	4	5	6	7	8
Wed'day	4	5	6	7	8	9
Th'rsday	5	6	7	8	9	10
Friday	6	7	8	9	10	11
Saturday	7	8	9	10	11	12
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12
7	8	9	10	11	12	1
8	9	10	11	12	1	2
9	10	11	12	1	2	3
10	11	12	1	2	3	4
11	12	1	2	3	4	5
12	1	2	3	4	5	6
13	2	3	4	5	6	7
14	3	4	5	6	7	8
15	4	5	6	7	8	9
16	5	6	7	8	9	10
17	6	7	8	9	10	11
18	7	8	9	10	11	12
19	8	9	10	11	12	1
20	9	10	11	12	1	2
21	10	11	12	1	2	3
22	11	12	1	2	3	4
23	12	1	2	3	4	5
24	1	2	3	4	5	6
25	2	3	4	5	6	7
26	3	4	5	6	7	8
27	4	5	6	7	8	9
28	5	6	7	8	9	10
29	6	7	8	9	10	11
30	7	8	9	10	11	12
31	8	9	10	11	12	1
1902	July	Aug.	Sept.	Oct.	Nov.	Dec.
Sunday	1	2	3	4	5	6
Monday	2	3	4	5	6	7
Tuesday	3	4	5	6	7	8
Wed'day	4	5	6	7	8	9
Th'rsday	5	6	7	8	9	10
Friday	6	7	8	9	10	11
Saturday	7	8	9	10	11	12
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12
7	8	9	10	11	12	1
8	9	10	11	12	1	2
9	10	11	12	1	2	3
10	11	12	1	2	3	4
11	12	1	2	3	4	5
12	1	2	3	4	5	6
13	2	3	4	5	6	7
14	3	4	5	6	7	8
15	4	5	6	7	8	9
16	5	6	7	8	9	10
17	6	7	8	9	10	11
18	7	8	9	10	11	12
19	8	9	10	11	12	1
20	9	10	11	12	1	2
21	10	11	12	1	2	3
22	11	12	1	2	3	4
23	12	1	2	3	4	5
24	1	2	3	4	5	6
25	2	3	4	5	6	7
26	3	4	5	6	7	8
27	4	5	6	7	8	9
28	5	6	7	8	9	10
29	6	7	8	9	10	11
30	7	8	9	10	11	12
31	8	9	10	11	12	1

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1903

The New Departure

TWO-HORSE, STRADDLE-ROW



Tongueless ..Cultivator

Patented:

*September 24, 1867; April 6, 1869. October 18, 1870; March 5, 1872;
January 21, 1873; March 14, 1876; September 19, 1878;
December 26, 1876; February 27, 1877; Sep-
tember 11, 1877; March 19, 1883.*

Re-Issued:

*August 26, 1873; October 6, 1874; February 6, 1877; June 12,
1877; March 20, 1883.*

Pattee Plow Company,
PROPRIETORS,
Monmouth, Illinois.

The New Departure

The many advantages in favor of a tongueless cultivator are so perfectly combined in **The New Departure** that it stands to-day, as it has stood for years, the most efficient and popular walking cultivator ever offered to the trade. Its superior operation and value as a crop producer have been so frequently demonstrated as to give little occasion for further mention. A noticeable feature, however, in connection with this favorite cultivator is its thorough reliability; it never fails to please the purchaser and no other cultivator has ever given such complete satisfaction in all conditions of soil.

The great popularity of **The New Departure** is sufficiently evidenced by the number of imitations now on the market. But as the standard-bred animal is more valuable than those of coarser blood, so **The New Departure**, the standard tongueless cultivator with a long pedigree of success, gives better satisfaction and service than those cultivators which seek only to profit through its well-earned reputation. Some of these cheap counterfeits so closely copy **The New Departure** in appearance as to purposely deceive ordinary observation; but none has ever approached the genuine Pattee Cultivator in perfect field operation, as a comparative test will demonstrate or the experience of any farmer will testify.

The Pattee Plow Co. is the sole proprietor and manufacturer of **The New Departure Cultivator**, and to avoid imposition farmers are cautioned to see that our trade-mark, "**The New Departure**," is branded on the arch of every cultivator. None is genuine without it.

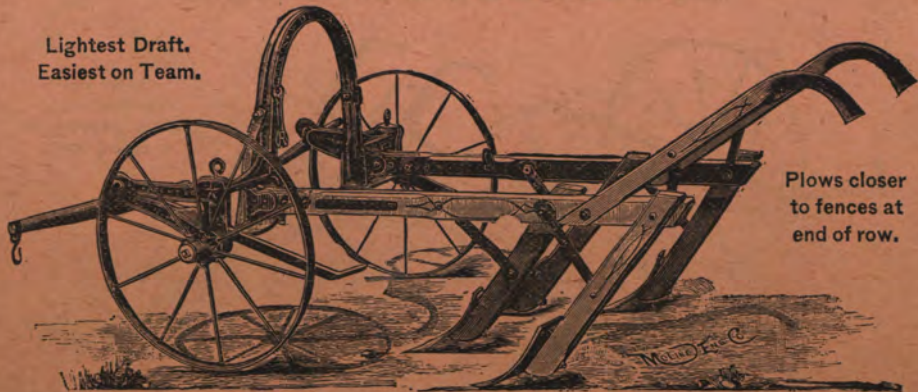
The New Departure is better and more carefully constructed, every shovel is tested before leaving factory, and no shovel is allowed to go out that does not appear perfect in temper and true to our peculiar shape. Good judgment, we think, will urge the prudent buyer to insist on having the original and only genuine tongueless cultivator, "**The New Departure**," and no other.

Yours truly,

PATTEE PLOW CO.

The NEW DEPARTURE with Wood Beams.

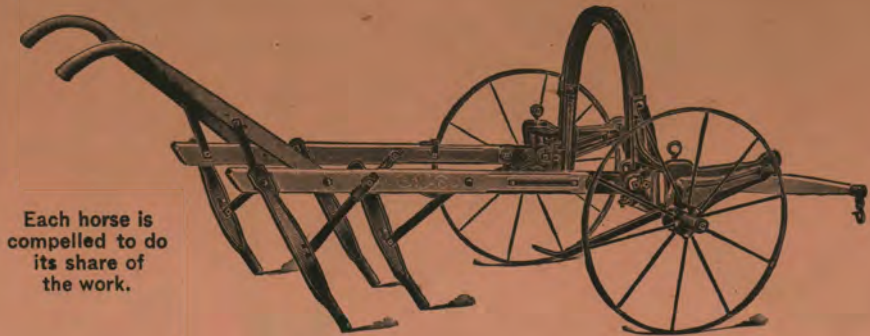
**Lightest Draft.
Easiest on Team.**



**Plows closer
to fences at
end of row.**

In Position for the Field.

THE NEW DEPARTURE with Wood Beams, Iron Shanks.

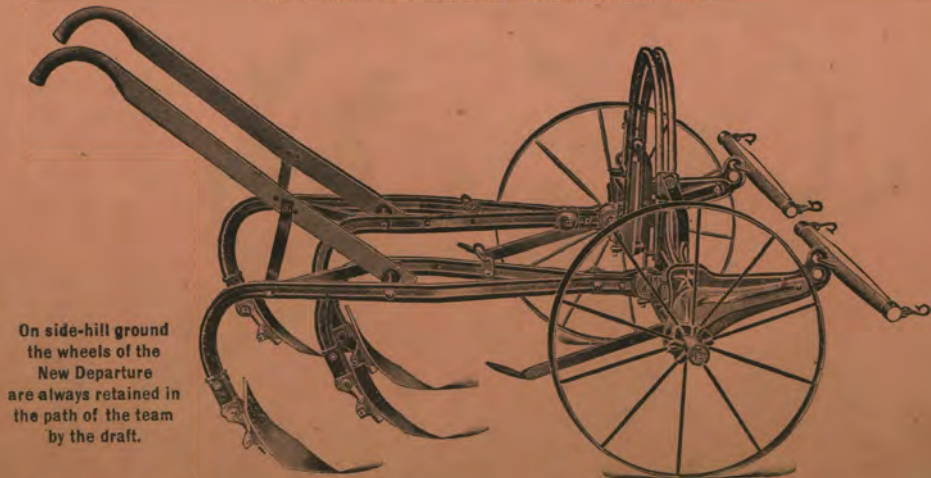


Each horse is
compelled to do
its share of
the work.

The Shanks have Adjustment Up or Down on the Beam.
Depth of the Inside or Outside Shovels can be varied.

THE NEW DEPARTURE with Steel Beams.

Pattee Plow Company, Monmouth, Illinois.



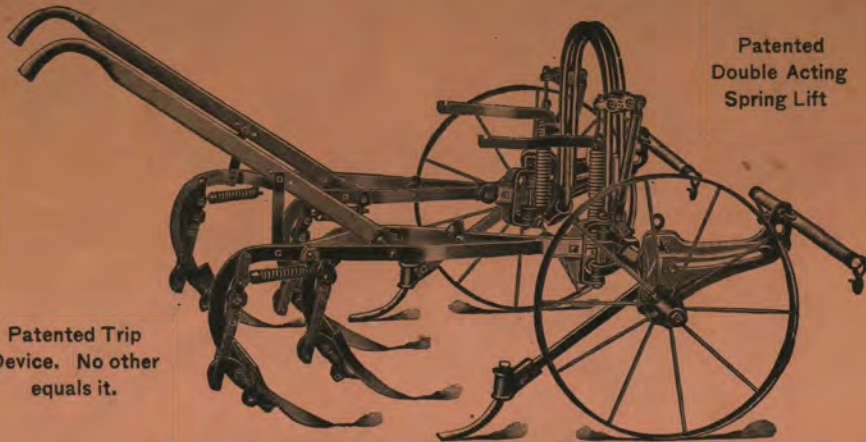
On side-hill ground
the wheels of the
New Departure
are always retained in
the path of the team
by the draft.

Beams of our Improved Shape with Steel Brace between. Are stronger, Shovels are More Accurately Set.

THE NEW DEPARTURE with Spring Lift and Spring Trip,

**Patented
Double Acting
Spring Lift**

**Patented Trip
Device. No other
equals it.**



PATTEE STEEL EAGLE CLAW.

Rear Shovel on Outside.

**All Shovels made from best Soft Steel Center.
Furnished with any of our Walking Cultiva-
tors when desired.**



PATTEE WOOD BEAM EAGLE CLAW

**HANDLES EASIER, because it weighs less
than any other.**

**Furnished with any of our Walking
Cultivators when desired.**

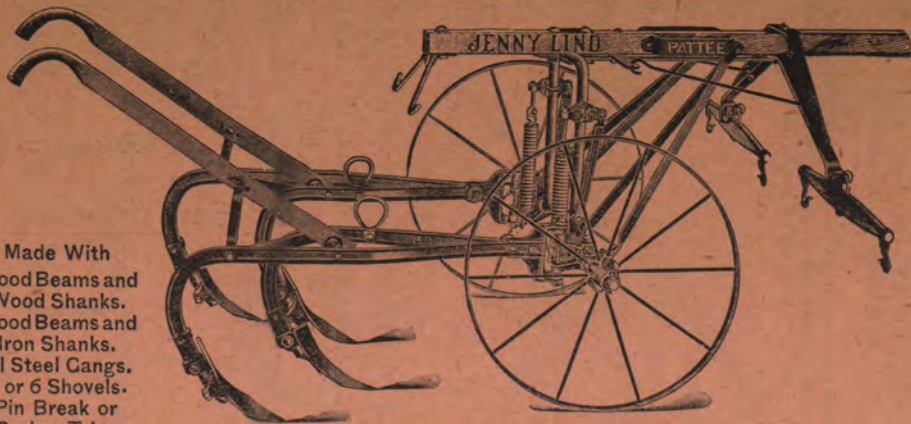


The "JENNY LIND" Cultivator with Steel Beams.

8

Pattee Plow Company, Monmouth, Illinois.

Made With
Wood Beams and
Wood Shanks.
Wood Beams and
Iron Shanks.
All Steel Gangs.
4 or 6 Shovels.
Pin Break or
Spring Trip.



Beams of our Improved Shape with Steel Brace Between.

Pattee's "Jenny Lind" Walking Tongue Cultivator

On the preceding page we give an illustration of our new **Jenny Lind** Walking Tongued Cultivator. Dealers and farmers have pronounced the **Jenny Lind** to be the neatest model and best featured Tongued Cultivator on the market. We have not the space here to detail its many advantages, but desire to call particular attention to our new

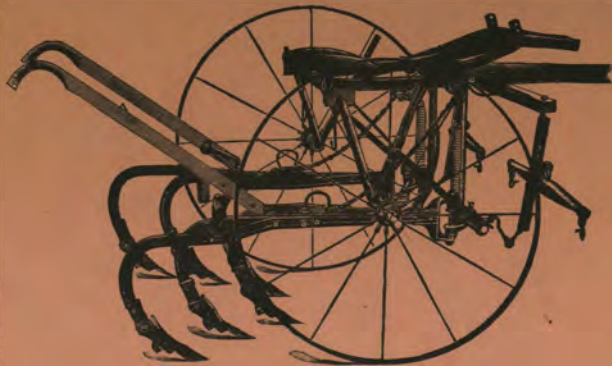
LIFTING DEVICE AND DOUBLE ACTING BALANCE SPRING.

No other Lifting Device and Spring Attachment is constructed like ours, and no other works so smoothly or presents such a neat appearance. As ordinarily adjusted, the spring works on a dead center, and is perfectly neutral when the shovels are at the proper depth for plowing; but so sensitive is the action that, immediately the shovels are started upward, a sufficient lifting force to balance the gang is exerted, the leverage growing greater as the force of the spring becomes less, so that a perfect balance of the gang is maintained until the hang-up hook is reached. If desired, a downward pressure can be given to the shovels when plowing in hard and difficult ground, by making a simple change in the adjustment, occupying an instant's time only.

This is the so-called "Perfect Balance Spring" in perfection, and the superior advantage it gives to the **Jenny Lind** Cultivator cannot be over-estimated.

The **Jenny Lind** is equipped with our improved steel hitch, malleable coupling parts, adjustable sleeve, and has the famous Pattee shovels. It is a perfect Tongued Cultivator, light, strong and durable, and the old saying, "None so good as the genuine Pattee," is fully borne out by the **Jenny Lind**.

THE FAST MAIL COMBINED CULTIVATOR.



Made with
Rigid or Swivel
Tongue

4 or Six Shovels

Pin Break or
Spring Trip

Showing Seat
Folded Forward
and Frame
Balanced for
Walking
Cultivator

THE "FAST MAIL"

BALANCE FRAME COMBINED CULTIVATOR

Rigid Tongue or Swivel Tongue

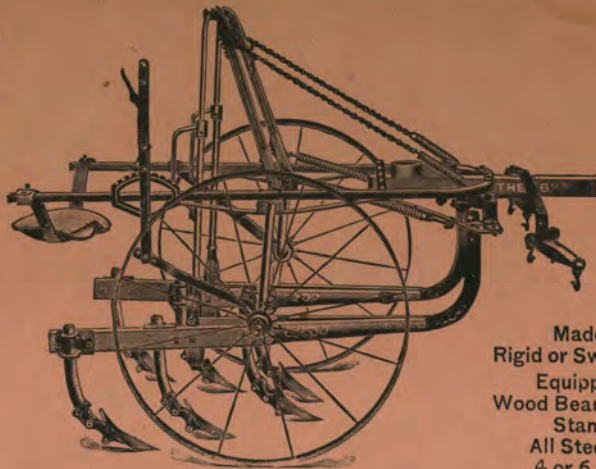
THE "FAST MAIL" Balance Frame Combined Riding and Walking Cultivator, illustrated on opposite page, has the great merit of convenient arrangement, with simplicity of parts. No LEVERS are used either to regulate the shovels, lift the gangs or balance the frame. By a simple and convenient arrangement the depth of the shovels can be instantly regulated from the driver's seat, while the lifting springs give such a fine counterbalance to the gangs that it is a matter of the slightest effort to raise them, either by hand or foot, without the awkward assistance of lever.

Balance Frame. Our novel device for shifting the axle and wheels forward or backward by folding or unfolding the seat, works like a charm. The action of folding the seat forward and out of the way for a Walking Cultivator, shifts the axle and wheels forward and accomplishes the change from a Rider to a perfectly balanced Walking Cultivator. When the seat is turned back in position for riding, the action is reversed, the axle and wheels swinging backward to proper position and the Cultivator is again in perfect balance as a Rider.

High or Low Seat. The seat can be hung high or low as desired, and by a jointed arrangement the bars do not extend far in front on the tongue when the seat is folded forward for a Walking Cultivator, but are entirely out of the way of the team and cannot be rubbed against by the horses.

Close Hitch. The "Fast Mail" has a closer hitch than other Combined Cultivators, insuring lighter draft, besides being of great advantage in turning at ends of rows.

THE BUSY BEE
Hammock
Riding Cultivator



Made with
Rigid or Swivel Tongue
Equipped with
Wood Beams and Steel
Standards
All Steel Gangs
4 or 6 Shovels
Pin Break or Spring Trip

THE BUSY BEE

Adjustable Balance Frame Hammock Riding Cultivator

Our new Hammock Rider—"THE BUSY BEE"—has met with remarkable success. Thousands have been sold and not a single purchaser but what is more than delighted with the result. It combines more attractive features than any other Riding Cultivator, is extremely neat in appearance, exceptionally well braced, strong and durable, while the same thorough and careful construction that characterizes all Pattee Cultivators is manifest throughout.

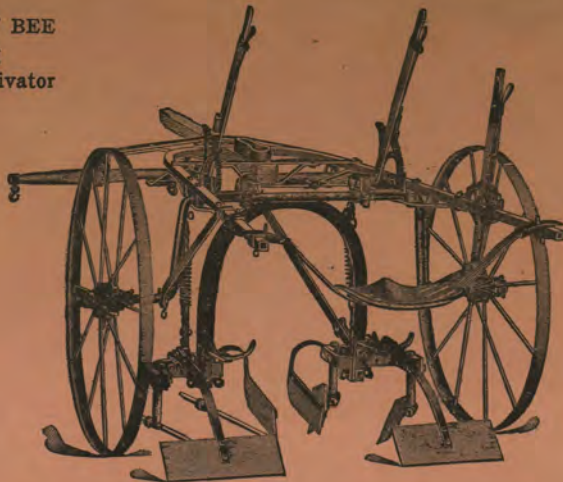
The Adjustable Balance Frame, operated by a single lever, will be found of great convenience and value. No matter whether the driver be light or heavy, by means of the lever he can shift the axle forward or backward and instantly obtain an adjustment exactly suited to his weight.

The Busy Bee is the only adjustable Balance Frame Hammock Riding Cultivator, operated by a single lever, that is braced from axle to frame on both sides.

Separate Lifting and Depth Springs are used as being more satisfactory in operation than a single spring compelled to serve the double purpose of raising the gangs and regulating the depths of the shovels. The Lifting Springs work closely in line with the lifting arms when the cultivator is in operation, and do not hold the shovels out of the ground. The depth of the shovels can be regulated without stopping the team or interrupting the work of the cultivator.

The New Combination Coupling provides for two different methods of attaching gangs to frame. They can be hung loosely in front, after the manner of the original pendulum hitch, or *can be coupled to give a level swing to gangs and shovels.*

THE BUSY BEE
Riding
Gopher Cultivator



Adjustable
Balance Frame
and
Hammock Seat.

Pattee Plow Company, Monmouth, Illinois.

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HANDY REFERENCE.

Information Relating to Notes and Bills Payable.

Demand Notes are payable on presentation, and bear legal interest, after a demand has been made, if not so written.

An Endorser on a demand note is holden only for a limited time, variable in different states.

If Time of Payment is not stated in a note, it is held payable on demand.

A Negotiable Note must be made payable either to bearer, or be properly endorsed by the person to whose order it is made. If the endorser wishes to avoid responsibility, he can endorse "without recourse."

A Joint Note is one signed by two or more persons, who each become liable for the whole amount.

Altering a Note in any manner by the holder makes it void.

The Maker of a note that is lost or stolen is not released from payment if the amount and consideration can be proven.

Notes Obtained by Fraud, or given by an intoxicated person, cannot be collected.

An Endorser has a right of action against all whose names are previously on a note endorsed by him.

RULES

For Measuring Corn in Crib, Vegetables, etc., and Hay in Mow.

This rule will apply to a crib of any size or kind. Two cubic feet of good, sound, dry corn in the ear will make a bushel of shelled corn. To get, then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height of the crib, inside the rail; multiply the length by the breadth and the product by the height, then divide the product by two, and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth and thickness together, and this product by eight, and point off one figure in the product for decimals.

To find the amount of hay in mow, allow 512 cubic feet for a ton, and it will come out very generally correct.

Grain Measure—To find the capacity of a bin or wagon-bed, multiply the cubic feet by .8 (tenths). For great accuracy, add $\frac{1}{4}$ of a bushel for every 100 cubic feet. To find the cubic feet, multiply the length, width and depth together.

Cistern Measure—To find the capacity of a round cistern or tank, multiply the square of the average diameter by the depth, and multiply the product by .785. For square cisterns or tanks, multiply the cubic feet by .2% (tenths).

Measures of Capacity.

Dry — 2150.42 cubic inches equal 1 United States (or Winchester) bushel, the dimensions of which are $18\frac{1}{2}$ in. diameter inside, $19\frac{1}{2}$ in. outside, and 8 in. deep; 2747.70 cubic inches, 1 heaped bushel, the cone of which must not be less than 8 inches high.

Gallons — 231 cubic inches equal 1 United States standard gallon; same contains 8.3389 avoirdupois pounds of distilled water; 1 gallon of ale weighs 10 05 lbs.; 1 gallon of sperm oil $7\frac{1}{4}$ lbs; 1 gallon of linseed oil $7\frac{1}{4}$ lbs; 1 gallon proof spirits 7 lbs. 15 oz.; 1 gallon spirits of turpentine 7 lbs. 5 oz.

1,000 Shingles, laid 4 inches to the weather, will cover 100 square feet of surface.

1,000 Laths will cover 70 yards of surface.

Rules for Computing Interest.

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

Four per cent.—Multiply the principal by the number of days to run, and divide by 90.

Five per cent.—Multiply by number of days, and divide by 72.

Six per cent.—Multiply by number of days, and divide by 60.

Seven per cent.—Multiply by number of days, and divide by 52.

Eight per cent.—Multiply by number of days, and divide by 45.

Nine per cent.—Multiply by number of days, and divide by 40.

Ten per cent.—Multiply by number of days, and divide by 36.

Twelve per cent.—Multiply by number of days, and divide by 30.

Pattee Plow Company, Monmouth, Illinois.

Comparative Value of Good Hay and Other Food for Stock.

100 lbs. Hay are equal to	100 lbs. Hay are equal to
504 lbs. Turnips.	50 lbs. Oats.
300 lbs. Carrots.	46 lbs. Wheat.
201 lbs. Uncooked Potatoes.	54 lbs. Rye.
175 lbs. Boiled Potatoes.	64 lbs. Buckwheat.
442 lbs. Rye Straw.	57 lbs. Indian Corn.
360 lbs. Wheat Straw.	45 lbs. Peas and Beans.
180 lbs. Barley Straw.	105 lbs. Wheat Bran.
150 lbs. Pea Straw.	109 lbs. Rye Bran.
200 lbs. Buckwheat Straw.	167 lbs. Wheat, Pea and Oat Chaff.
275 lbs. Green Indian Corn.	

Distances Traveled by a Team in Plowing an Acre of Land.

Breadth of Furrow.	Distance trav'l'd in Plowing an Acre.	Breadth of Furrow.	Distance trav'l'd in Plowing an Acre.
9 inches..	11 miles.	15 inches..	6½ miles.
10 " ..	9 9-10 "	16 " ..	6 1-8 "
11 " ..	9 "	17 " ..	5¾ "
12 " ..	8¼ "	18 " ..	5½ "
13 " ..	7¾ "	19 " ..	5¼ "
14 " ..	7 "	20 " ..	4 9-10 "

The PATTEE PLOW CO. manufactures nothing but Cultivators, and is the only factory in the country that makes an exclusive specialty of this line. By devoting our entire care and attention to this one branch of implement manufacture we are enabled to produce goods of a higher class, and throughout the entire Corn Belt Pattee Cultivators have become known for their superior excellence. We now offer a more complete line than ever before. Each Cultivator will be found a gem of its kind and just as represented. : : : : : : : : :

New Departure Repairs.

No.		Each
0.	Malleable Cut-Off	\$.15
1.	Stop Plate for Suspension Arm, R. H.	.15
2.	Stop Plate for Suspension Arm, L. H.	.15
3.	Wheel Cap	.10
4.	Joint Piece for Slotted End Wood Beam	.40
5.	Plate for Shield Washer, Steel Beam	.10
6.	Lock for Nuts on Knuckle	.05
7.	Shield Washer for Wood or Steel Beam	.10
8.	Plate for Shield Washer, Wood Beam	.10
10.	Malleable Sleeve for Steel Beam	.50
11.	Malleable Washer for Steel Beam Shovel	.03
12.	Shield Washer for Wood Beam, Tenoned End, 1895	.10
13.	Journal Box	.20
14.	Journal Box	.20
21.	Arch Ends	1.00
22.	Spindle Plate, L. H., with Draft Hook	1.25
23.	Spindle Plate, R. H., with Draft Hook	1.25
A22.	Spindle Plate, L. H., with Draft Eye	1.25
B23.	Spindle Plate, R. H., with Draft Eye	1.25
24.	Joint Piece for End of Steel Beam	.30
25.	Spreader for Steel Beams	.15
26.	Malleable Bifurcated Joint Piece, L.H., for Tenoned End Wood Beam, 1895	.40
27.	Malleable Bifurcated Joint Piece, R.H., for Tenoned End Wood Beam, 1895	.40
	Wrenches, Malleable	.10
	Singletree Hooks	.10
	Rear Supporting Bars	.50
	Suspending Arms	.25
	Wheels, 26-inch, 10 Wrought Spokes	2.00
	Arches, Bessemer Steel, comp etc.	3.00
	Left S. B. Shovels, Twisted, with bolt and block	1.00
	Right	1.00
	Left W. B.	1.00
	Right	1.00
	Straight S. B. Shovels, with bolt and block	1.00
	Straight W. B. Shovels, with bolt only	1.00
	S. B. Bull Tongues	.35
	W. B. Bull Tongues	.35
	Left-Hand Shields	.35
	Right-Hand Shields	.35
	Singletrees, ironed and finished	.35
	Left-Hand Beams, Slotted Ends, finished	.60
	Right-Hand Beams, Slotted ends, finished	.60
	Left-Hand Beam, Tenoned Ends, finished	.60
	Right-Hand Beams, Tenoned Ends, finished	.60
	Left-Hand Shafts, finished	.40
	Right-Hand Shafts, finished	.40
	Handles, finished	.40
	Fronts, or Running Gears, including Singletrees	8.58
	Gangs, complete, including Shovels and Shields	per pair, \$8.58 4.29

In ordering, always specify by number, where the number of casting is given; other parts may be designated by name.

For Twisted Shovels, say whether they are required to turn the soil to the right or left when plowing, and whether for Wood or Steel beam.

THE ORIGINAL
AND ONLY GENUINE TONGUELESS CULTIVATOR,
"THE NEW DEPARTURE."



Constantly Pursued, but Never Overtaken.