

BULLARD'S
IMPROVED
HAY TEDDER



Richardson Manufacturing Co.

MANUFACTURERS,

Worcester, Mass.

The Improved "Bullard Tedder"

IN A FAIR TRIAL WILL DEMONSTRATE THE FOLLOWING CLAIMS
FOR ITS MERITS:

1st. That it will thoroughly turn and spread four acres of heavy grass in an hour, thus *accomplishing the work of from ten to twelve men.*

2d. That it does the work so quickly that the process of turning can be several times repeated, turning the hay so *thoroughly that it can be taken to the barn in the best condition, the day it is cut.*

3d. That it enables the farmer to *take advantage of fair weather.* When the Tedder is used the Mowing Machine may be kept in the field until the middle of the afternoon, and at least *twice the quantity of hay be secured, in better condition, that when allowed to remain in the swath.*

4th. That this saving of labor occurs at a period when time is very precious.

5th. That the grass when cured by this process, may be cut while in the flower, *when it contains its nutritive ingredients.*

6th. That its use improves the quality of hay by at least ten per cent.

7th. That by spreading from behind the wheels, *it does not run over and press the grass down after it is spread,* and by this means leaves it in much better condition than other machines that spread only from between the wheels.

8th. That it is the only Hay Tedder yet invented that *inserts the forks underneath the hay,* and is therefore the only one that will *take the hay up from the bottom.*

9th. That it is of *light draft, never clogs,* and manifests its superiority by the thoroughness of its work *in long and heavy grass.*

10th. That it is easily managed, and can be handled by any one capable of driving a horse.

11th. That the machine is simple in construction and not liable to get out of order, and can be used on rough ground.

12th. In short, its use in a single season, on a farm producing forty tons of hay, *will pay its cost.*

PRICE LIST

—OF—

"Bullard Tedder" and Duplicate Parts.

Tedder complete.....	\$75 00 ⁶⁰ 00	Elevator Shaft Support (right and left), each.....	50
Drive Wheels, each.....	7 00	Trip Lever.....	75
Large Gear (right or left), each	3 50	" Button	10
Intermediate Gear.....	1 50	Trip Springs	15
Spur Pinion.....	1 00	Thill Hinge.....	35
Stud for intermediate Gear...	50	Draw Irons (on axle)	25
Axle.....	3 00	Outside Arm Support.....	75
Shipper Handle.....	75	Crank Shaft (inside section)...	3 00
" Arm (right and left), ea.	75	" (outside ")	1 50
" " Connection.....	50	Fork Arm Socket ("M")	15
" " Guide	25	" Crank Box.....	20
Seat.....	1 25	Center	50
" Spring	2 00	End	35
Elevator Lever (wood).....	25	Upper Fork Arm	35
" Shaft	1 00	Lower	40
" Arm (left hand)	25	Forks, each	50
" " Connection, each	25	Whiffletree	75
Hook Bolt.....	10	Thills (right and left), each...	2 00
Lever Ratchet	1 00		

THE "WHITCOMB"
IMPROVED
Self-Operating Horse Hay Rake.

The WHITCOMB HORSE HAY RAKE was patented under date of October 5th, 1858, and was one of the first wheeled rakes introduced. The general principles of the machine have proven so popular as to induce us to devote much time and study to the further improvement of the Rake ; and, as the result, we now manufacture *the simplest, most durable, and best Self-Operating Horse Rake ever offered in any market.*

The most objectionable features in the old style of rake (the labor of operating by foot power, and the difficulty of replacing a broken tooth) are entirely obviated. To discharge the hay, a slight pressure of the foot upon a treadle throws in place a clutch or hook which connects the head to the wheel, raising the head to the required height, when it instantly falls back to place again. The valuable feature of the old "Whitcomb," of placing the head over the axle, is retained ; but instead of the teeth being coiled around the head, the coil is now outside and in rear of the head, and the teeth are secured by the end above the coil being run through the head and secured by a nut on the opposite side ; by this arrangement a broken tooth can be replaced in a few moments time, and with the help only of a small wrench. The teeth are made of the best spring steel, and with ordinary care will last many years. The wheels have a plain, smooth iron hub, revolving upon an iron sleeve, which is equivalent to and as durable as an iron axle. The Rake, as improved, has been thoroughly tested through the past two harvests, in various sections of the country, with the verdict that it was the simplest, most easily operated, and most practical Self-Operating Rake in the market ; and we believe that it will, by its future success, warrant us in claiming it to be the *Best Rake in the World!*

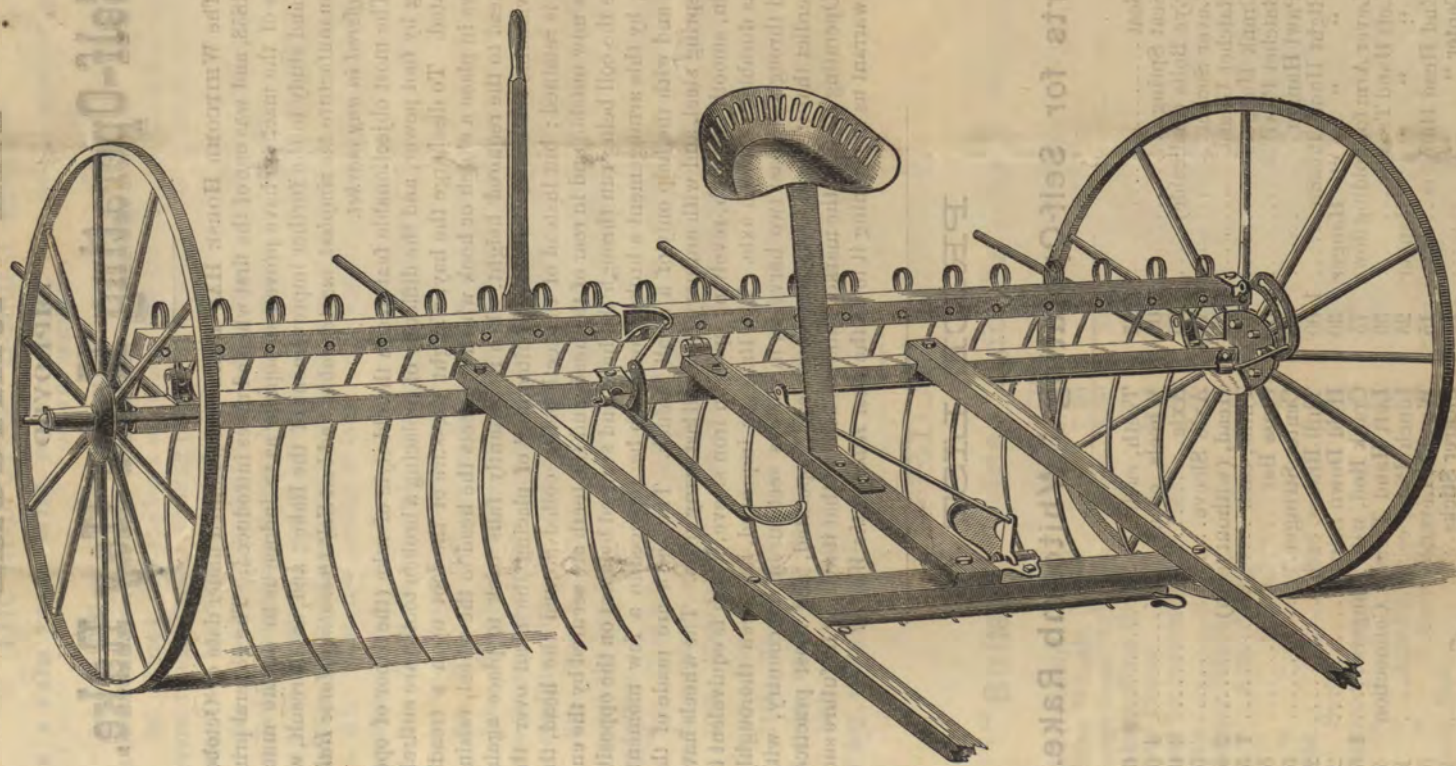
PRICE LIST

-OF-

Parts for Self-Operating "Whitcomb Rake."

1	Seat	\$1 25	Teeth, each	\$ 60
2	Seat Spring.....	2 00	Wheels, each.....	4 00
3	Eye Bolts (malleable).....	20	Axle.....	3 00
4	Lever Socket.....	10	Axle Sleeve.....	50
5	Ratchet Guard.....	50	Head, (without teeth).....	2 50
6	Crank Hangers.....	15	Thills, each	1 50
7	Ratchet Pawl.....	50	Cross Bar	50
8	Pawl Hanger.....	40	Center Stringer.....	50
10	Right Hand Treadle.....	1 00	Thill Braces, each	25
11	" " " Hanger	30	Hold Down Stirrup	25
12	Lever Arm for holding down	75	Crank Rod, with Hangers	1 50
13	Left Hand Treadle	50	Left Hand Treadle Connection	40
14	" " " Hanger	25	Linch Pins, each.....	10
15	End Head Hangers	15	Wooden Lever.....	50
16	Center " "	15	Clearer Sticks.....	10

WHITCOMB PATENT SELF-OPERATING HAY RAKE.



Price (22 Teeth),

\$40.00

THE "WHITCOMB"