

(No Model.)

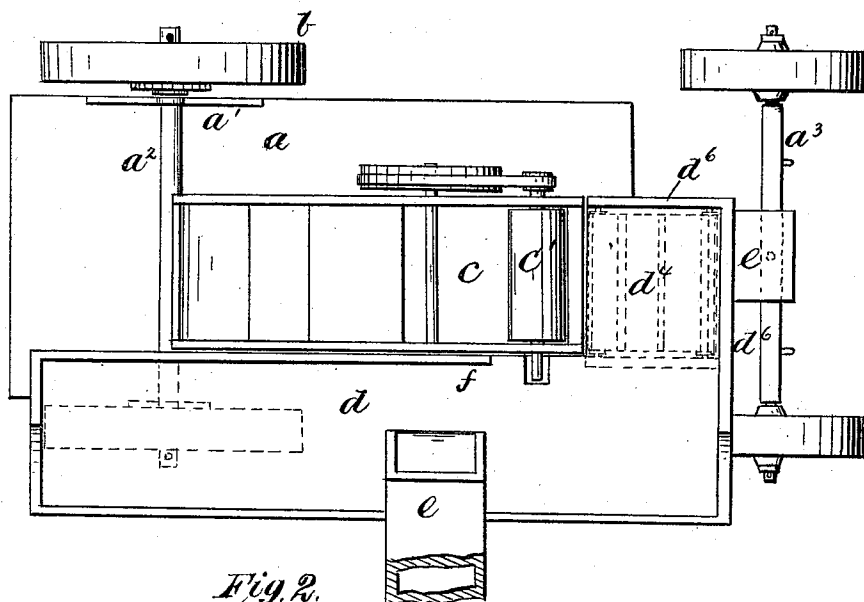
H. JORY.

FIELD. THRASHER.

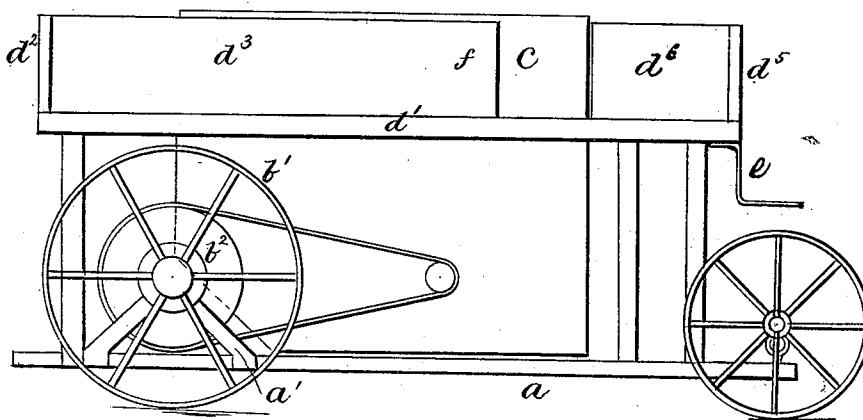
No. 251,119.

Patented Dec. 20, 1881.

*Fig. 1.*



*Fig. 2.*



*Witnesses*

A. Parker.  
P. B. Turpin.

*Inventor*

Henry Jory

By R. S. & A. P. Lacey

*Atlys.*

# UNITED STATES PATENT OFFICE.

HENRY JORY, OF MARYSVILLE, CALIFORNIA.

## FIELD-THRASHER.

SPECIFICATION forming part of Letters Patent No. 251,119, dated December 20, 1881.

Application filed August 19, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY JORY, a citizen of the United States, residing at Marysville, in the county of Yuba and State of California, have invented certain new and useful Improvements in Attachments for Field-Thrashers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in attachments for moving horse-powers employed to operate field thrashing-machines; and it has for its object to so construct the horse-power that it may be used in connection with and take the cut grain directly from that class of harvesting-machines known as "headers," and provide easy facilities whereby the said grain may be conveyed to the cylinder of the thrasher.

It consists in a platform for receiving the grain from the harvester, erected upon the carriage-bed which supports the thrashing-machine, and extended alongside and across the feed end of the thrasher, and arranged on a level with or slightly above the feed-board of the said thrasher, so the grain can be readily conveyed onto the said feed-board, substantially as will be hereinafter set forth.

In the drawings, Figure 1 is a plan, and Fig. 2 is a side elevation, of my improvements as applied to a moving horse-power and thrashing-machine.

$a$  is a broad platform, suspended by hangers  $a^1 a'$  below the rear axle,  $a^2$ , and it is suspended to the king-bolt below the front axle by any ordinary means, as shown. The driving or power wheels  $b b'$  are supported on the axle  $a^2$ , and are connected thereto by the ordinary clutch mechanism. A pulley,  $b^2$ , is fixed on the axle  $a^2$ , and arranged so that it may be connected by belt to the driving-pulley on the thrashing-machine  $c$ . The platform  $a$  is so constructed and arranged with reference to the axles  $a^2 a^3$  of the horse-power that any ordinary horse-power may be set thereon and fixed in place and operated by the power-wheels  $b b'$

and intermediate mechanism. The thrasher  $c$  is placed centrally between, and so that its weight will be supported equally by, the wheels  $b b'$ .

$d$  is the grain-table, which is erected on the platform  $a$  of the horse-power. It is arranged at one side and projects laterally over the power or driving wheel  $b'$ , and is wide enough to permit considerable lateral variation by the horses from a direct line of motion, and still keep it under the delivery-spout  $e$  of the header-machine. It is provided with a narrow breast-board,  $d^1$ , a rear end board,  $d^2$ , and a back board,  $d^3$ . The back board,  $d^3$ , extends from the end board,  $d^2$ , alongside and nearly to the front end of the thrasher  $c$ . This back board extends upward to the top of and prevents the grain-heads from being thrown over the side into the thrasher. The forward end,  $d^4$ , of the grain-platform is extended laterally over the main platform  $a$ , and has fixed to it the front breast-board,  $d^5$ , and side board,  $d^6$ . The extension  $d^4$  forms what, for convenience, I call the "feed-board," because the grain is pushed directly off it into the thrashing-cylinder  $c'$ . The feed-board is made of the same width as the ordinary feed-board of the thrasher, and the side board,  $d^6$ , is arranged in line with the side of the thrasher. The extension or feed board  $d^4$  fits snugly against the front end of the thrasher. The extension and grain-table together make a strong frame, which extends half around and forms a substantial means for holding the thrasher in place on the platform  $a$ . The thrasher can easily be placed on the platform  $a$  and pushed into the recess or space made by the grain-table and extension, and needs then to be secured on one side only by other fastenings.

$e$  is a step fixed to the outside of the forward end of the grain-platform, and arranged in proper position so that a person may stand thereon and attend to the feeding of the grain from the feed-board  $d^4$  into the thrasher.

In dotted lines in Fig. 1 I have shown the feed-board constructed as an endless belt running over rollers. One of these rollers can be provided with a pulley on its shaft and connected to the thrasher by a belt. By this construction the feeding would be automatically done.

I have not deemed it necessary to show a header harvesting-machine. I have shown the end *e* of the delivery-spout of the header-machine in the position which it occupies to the ordinary header-wagon.

It will be understood that the horse-power carrying the grain-table is driven alongside of the header-machine in the same relative position to the latter as that occupied by the ordinary header-wagon, and that the platform *d* takes the place of the said header-wagon.

In the operation of the machine an attendant stands at or near the position marked *f*. He is supported by the back board, *d*<sup>3</sup>, while he pushes the grain forward and laterally onto the feed-board.

This invention, by its use, will save the labor of several men.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a field thrashing-machine, a platform for receiving the grain from the harvester, erected upon the carriage-bed which supports the thrashing-machine, and substantially on a level with the feed-board of the said thrashing-machine, said platform being arranged to extend along the side and across the feed end of the said thrasher, substantially as set forth.

In testimony whereof I affix my signature, in presence of two witnesses, on this 4th day of August, 1881.

HENRY JORY.

Witnesses:

P. B. TURPIN,  
GEO. F. GRAHAM.