

(No Model.)

J. R. JONES.
WHEEL PLOW.

No. 566,584.

Patented Aug. 25, 1896.

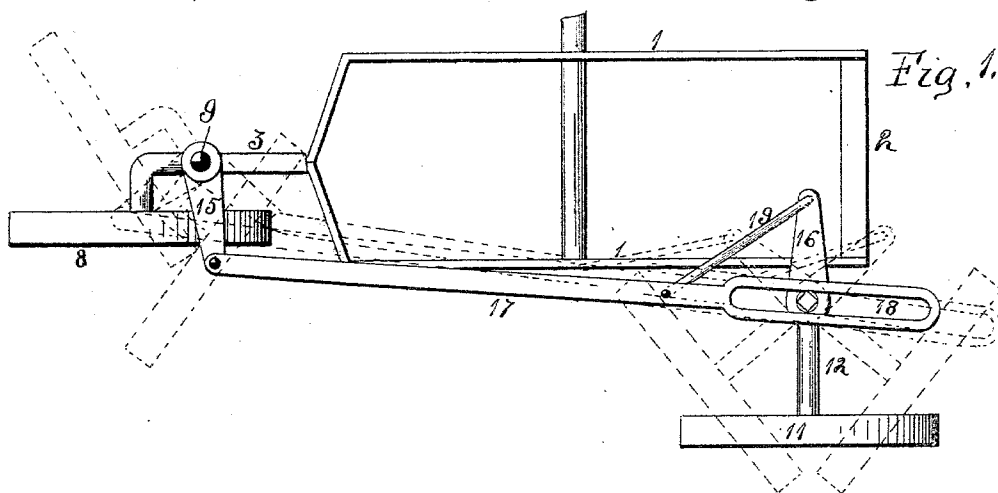
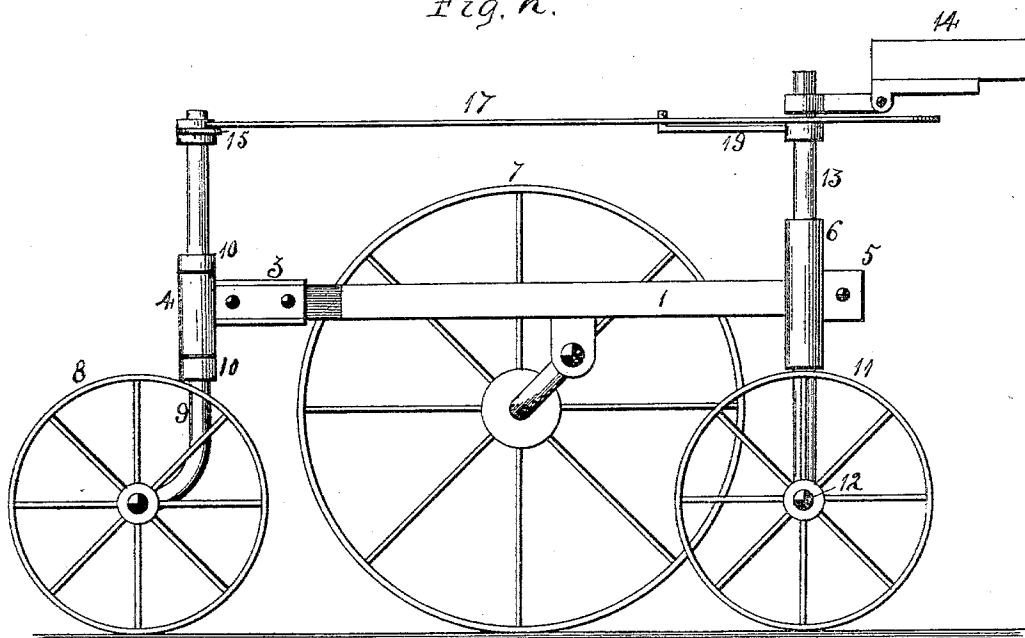


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JUDSON R. JONES, OF ROCKTON, ILLINOIS, ASSIGNOR TO THE J. THOMPSON & SONS MANUFACTURING COMPANY, OF BELOIT, WISCONSIN.

WHEEL-PLOW.

SPECIFICATION forming part of Letters Patent No. 566,584, dated August 25, 1896.

Application filed December 27, 1895. Serial No. 573,454. (No model.)

To all whom it may concern:

Be it known that I, JUDSON R. JONES, a citizen of the United States, residing at Rockton, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Wheeled Plows, of which the following is a specification.

The object of this invention is to form a connection between the front and rear furrow-wheels of a wheeled plow, in order that the movement of the front furrow-wheel will control the movement of the rear furrow-wheel.

In the accompanying drawings, Figure 1 is a plan view of the main frame of a wheeled plow to which my improvements have been applied. Fig. 2 is a side elevation of the same.

The main frame is composed of the lengthwise bars 1, connected at their forward ends by a cross-bar 2. Their rear ends are connected by a bracket 3, having a vertical tubular portion 4. To the front end of one of the lengthwise bars is secured a bracket 5, having a vertical tubular portion 6. A land-wheel 7 is supported by the main frame in any suitable manner.

The rear furrow-wheel 8 has a shank 9, which is located in the vertical tubular portion 4 and held in place by the collars 10. The front furrow-wheel 11 is supported upon an axle 12, having a vertical portion 13 located in the tubular portion 6, the upper end being squared, upon which is located the tongue connection 14.

To the upper end of the shank 9 of the rear furrow-wheel is secured an arm 15, and to the upper end of the vertical portion 13 of the front furrow-wheel is secured an arm 16. A bar 17 has one end pivotally connected to the arm 15 of the rear furrow-wheel, its other end provided with a lengthwise slot 18, and is located above the arm 16 of the front furrow-wheel around the vertical portion 13. A link 19 has a connection with the end of the arm 16 and a connection with the bar 17.

In use a plow is supported by the frame in any suitable manner, and the tongue is held by the horses in the lengthwise direction of the plow, which will hold both furrow-wheels in the direction of the line of draft. In turning the plow around the horses will move the tongue laterally, thereby turning the front

furrow-wheel through its connection therewith, and by reason of the connection between the front and rear furrow-wheels the rear furrow-wheel will be turned in the proper direction to facilitate the turning of the plow.

The forward end of the bar 17, being guided by the standard of the front furrow-wheel, will always retain such connection, and the connection of the link 19 with the bar and arm extending from the standard of the front furrow-wheel forms the means for moving the bar lengthwise, thereby imparting the required movement to the rear furrow-wheel. In turning the plow to the left requires about twice the length of movement of the bar that is required in turning it to the right, and the slotted end of the bar accommodates such movement.

I claim as my invention—

1. In a wheeled plow, the combination of a main frame, a front furrow-wheel, a rear furrow-wheel and a link connection between the wheels whereby a greater movement is imparted to the rear furrow-wheel when turned in one direction than when turned in the opposite direction.

2. In a wheeled plow, the combination of a main frame, a front furrow-wheel, a rear furrow-wheel, and a sliding bar and link connection between the wheels.

3. In a wheeled plow, the combination of a main frame, a front furrow-wheel, a rear furrow-wheel, a bar having a pivotal connection with the rear furrow-wheel and a sliding engagement with the standard of the front furrow-wheel, and a link connecting the front furrow-wheel and bar.

4. In a wheeled plow, the combination of a main frame, a front furrow-wheel, a rear furrow-wheel, and a connection between the wheels consisting of an arm extending from the standard of each furrow-wheel, a bar pivotally connected to the arm of the rear furrow-wheel, the other end of the bar having a sliding connection with a stationary support, and a link connecting the bar and the arm of the front furrow-wheel.

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Witnesses:

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