

No. 682,747.

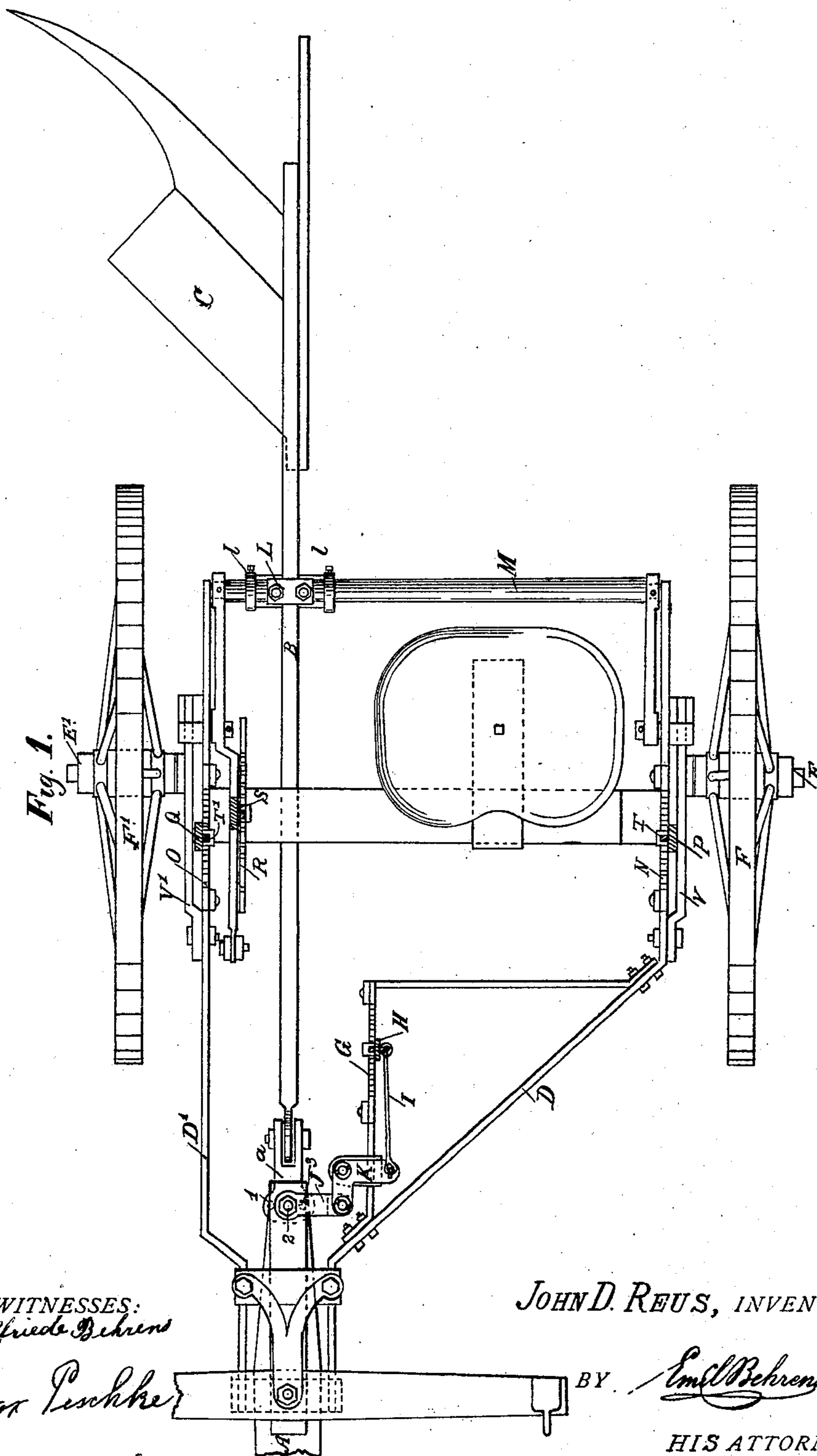
Patented Sept. 17, 1901.

J. D. REUS.  
RIDING PLOW.

(Application filed Apr. 12, 1900.)

(No Model.)

3 Sheets—Sheet 1.



WITNESSES:  
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*Max Leschke*

JOHN D. REUS, INVENTOR.

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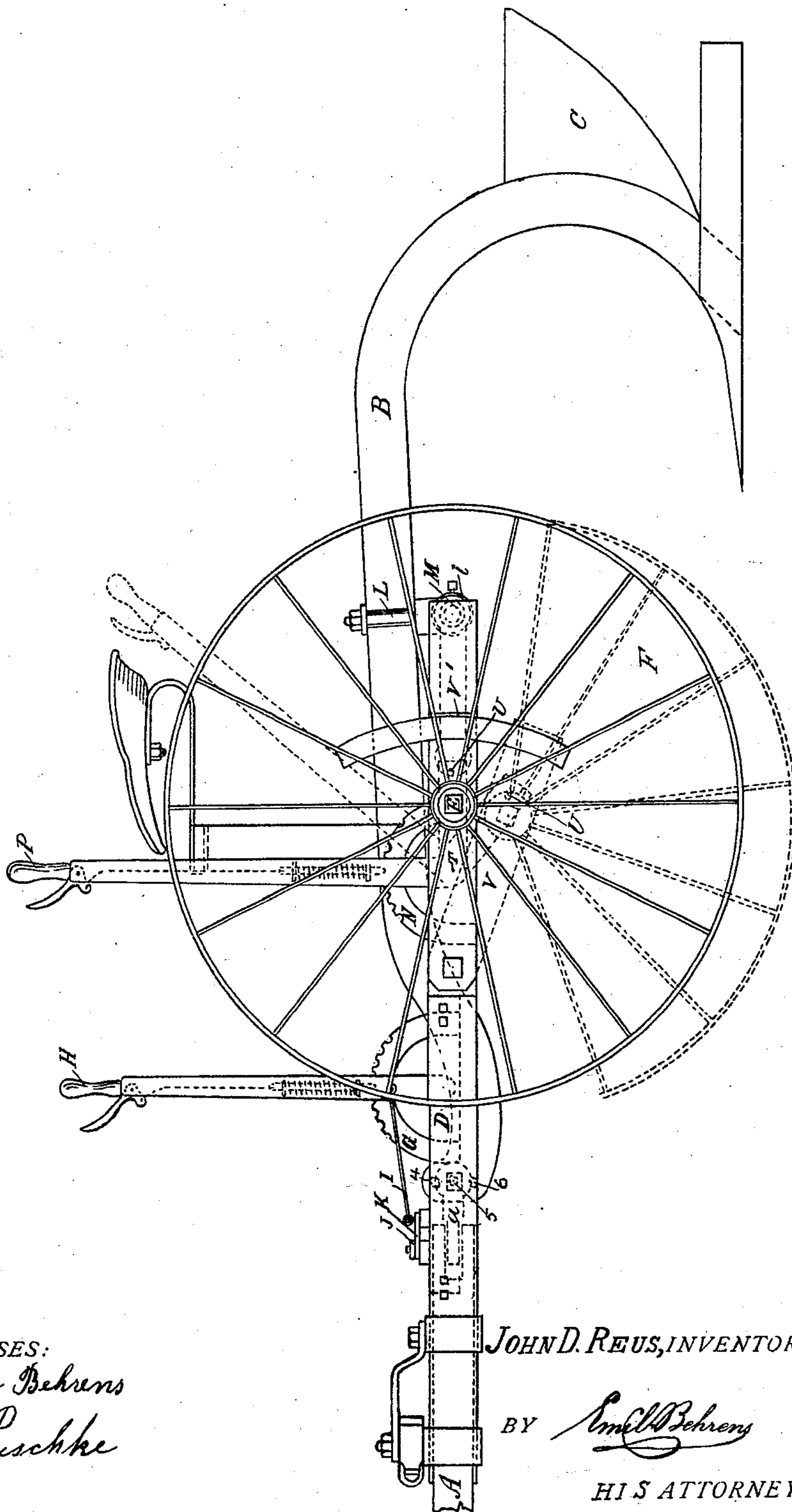
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3 Sheets—Sheet 2.

Fig. 2.



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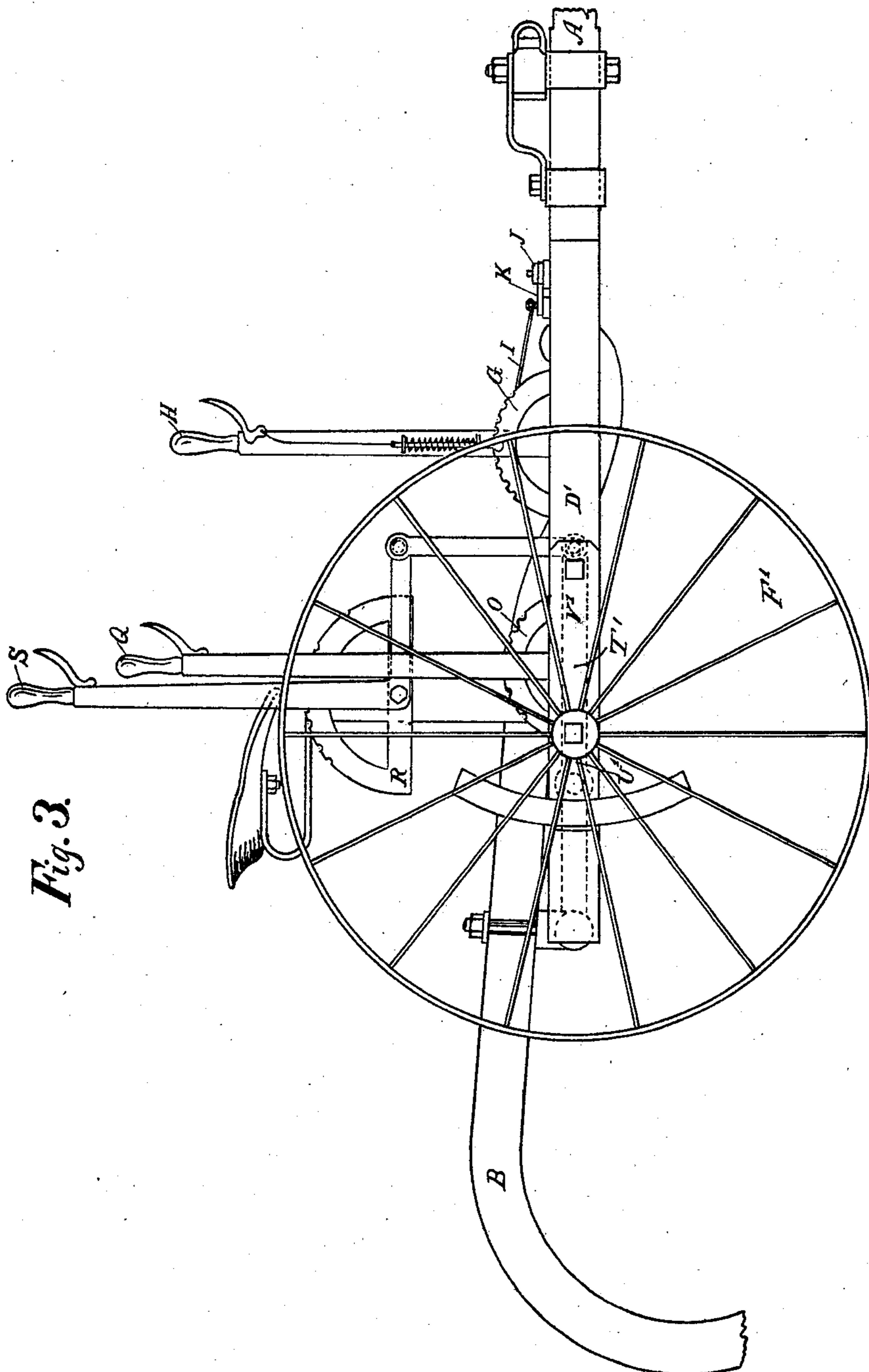


Fig. 3.

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# UNITED STATES PATENT OFFICE.

JOHN D. REUS, OF CASTROVILLE, TEXAS.

## RIDING-PLOW.

SPECIFICATION forming part of Letters Patent No. 682,747, dated September 17, 1901.

Application filed April 12, 1900. Serial No. 12,624. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN D. REUS, a citizen of the United States, residing at Castroville, in the county of Medina and State of Texas, have invented a new and useful Riding-Plow, of which the following is a specification.

My invention relates to improvements in riding-plows in which the plow-beam is directly connected with the pole and four different changing-gears are within the frame of the plow; and the objects of my improvements are, first, to provide a straight draft from the pole to the plow; second, to change and regulate the width and the angle of the furrows; third, to change and regulate the depth of the furrows, and, fourth, to change and regulate the distance of the furrows to each other, all the changes to be made from the seat while the plow is in operation. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a top view of the entire plow. Fig. 2 is a left side view, and Fig. 3 is a right side view.

Similar characters refer to similar parts throughout the several views.

The tongue A is hinged by a coupling *a*, having vertical and horizontal pivots, to the plow-beam B, with its plowshare C of the usual size and shape. This coupling *a* has on the one end besides the hole 2, with which it is connected to the tongue A to the right and left, holes 1 and 3. Hole 1 may be used when it is required that the plowshare should take more soil, and hole 3 when it should take less. The other or fork end of the coupling *a* is pivoted to the hole 5 of the plow-beam B, which has also besides hole 5 one hole 4 above and another hole 6 below it. The hole 4 is used when the soil is very heavy, and the hole 6 when the soil is very light or sandy.

The side parts D D', carrying movable frame-pieces V V', to which are cranked the axles E E' of the wheels F F', constitute the framework of the plow.

At the lower part of the hand-lever H, which is held in an adjusted position to a seg-

ment-rack G by means of a thumb-latch and spring-pawl, as shown in the drawings, is the one end of a link I pivoted and the other end to a bell-crank K. This bell-crank is connected by a link J to the coupling *a*, already described, so that when the hand-lever H is turned to the front the tongue A, with the pivoted plow-beam B, will swing toward the wheel F', and when the clamp L is shifted by hand to the right and fastened by the collars *l* to the shaft M the plow-beam is parallel to the side frame D'. Then the distance between the furrows will be shorter, and when the hand-lever H is turned to the rear and the clamp shifted accordingly the distance between the furrows will be greater.

N and O are the segment-racks on each side of the wheels F F', and P and Q are the hand-levers, which are pivoted at T T' to the frame D and D' and at U U' to the movable frame-pieces V V', to which the axles are cranked to obtain vertical adjustment by turning the hand-levers P and Q to the front or rear, as the case may require.

R is the segment-rack which inserts the plow in the ground to the depth as wanted by turning the hand-lever S to the front and to lift the plow out of the ground when not in use by turning the hand-lever to the rear.

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

In a plow of the class described, the combination with the frame, the segment-rack G with its hand-lever H to operate the link I, which by means of a bell-crank K and a link J is attached to the tongue A, the two segment-racks N and O with their hand-levers P and Q pivoted at the points T, T', to the frame D and D', and at points U, U', to movable frame-piece V, V', to which the axles are cranked, the segment-rack R with its hand-lever S to raise or lower the axle M to which is attached the plow, all substantially as set forth and described.

JOHN D. REUS.

Witnesses:

EMIL BEHRENS,  
VALENTIN HAASS.