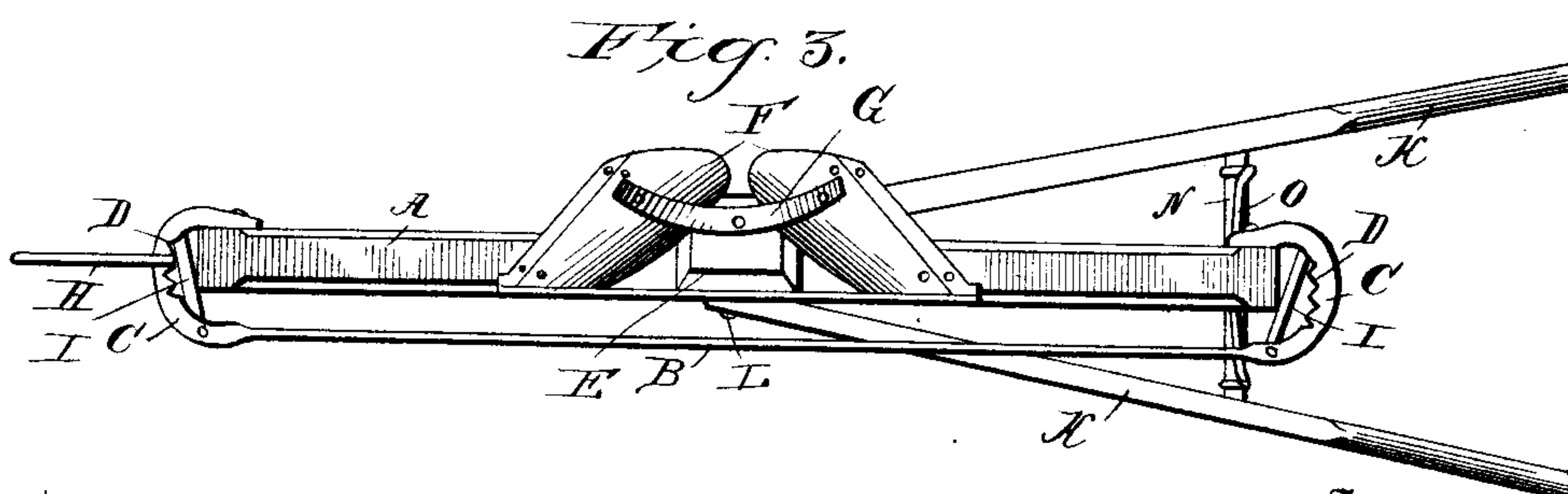
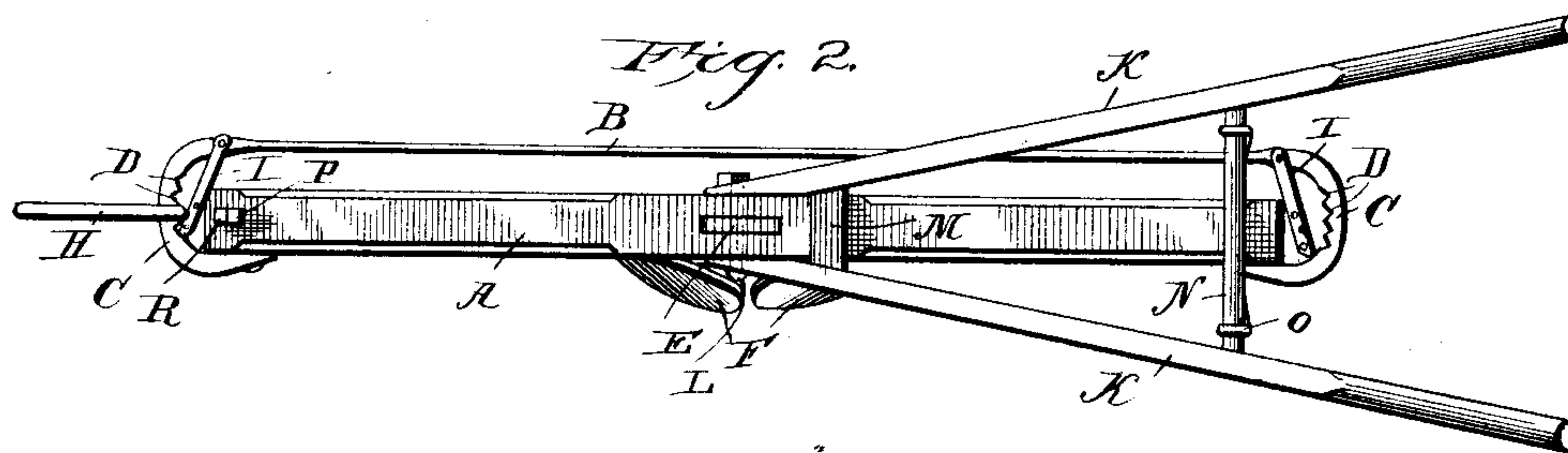
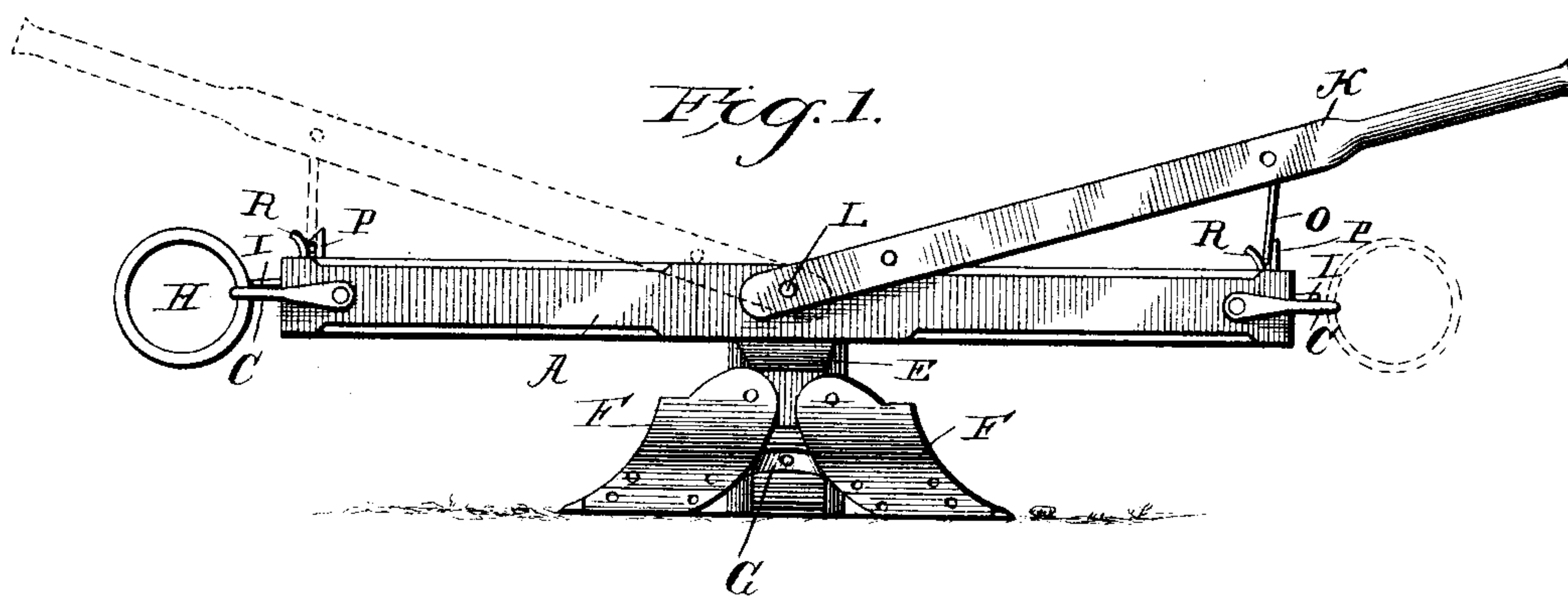


(No Model.)

C. H. FARLEY.  
REVERSIBLE PLOW.

No. 388,655.

Patented Aug. 28, 1888.



Witnesses,  
*Henry G. Dieterich.*  
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Inventor,  
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By *his* Attorneys

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# UNITED STATES PATENT OFFICE.

CHARLES HORACE FARLEY, OF ADDISON, WEST VIRGINIA.

## REVERSIBLE PLOW.

SPECIFICATION forming part of Letters Patent No. 388,655, dated August 28, 1888.

Application filed April 20, 1888. Serial No. 271,258. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES HORACE FARLEY, a citizen of the United States, residing at Addison, in the county of Webster and State of West Virginia, have invented a new and useful Improvement in Reversible Plows, of which the following is a specification.

My invention relates to an improvement in reversible plows for plowing hillsides and for other purposes; and it consists in the peculiar construction and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a reversible plow embodying my improvements. Fig. 2 is a top plan view of the same. Fig. 3 is a bottom plan view of the same.

A represents the beam, which is alike at both ends, and is nearly double the length of an ordinary plow-beam.

B represents a draft-rod, which is arranged longitudinally on one side of the plow-beam, at a suitable distance therefrom, extends throughout the entire length of the plow-beam, and has its ends curved to form horizontal clevises C, the ends of the said draft-rod being bolted to one side of the plow-beam, near the ends thereof, as shown. On the inner edges of the clevises C are made notches D.

E represents the standard, which depends from the center of the plow-beam, and has its upper end mortised in the plow-beam, as shown; or, if preferred, said standard may be secured to the plow-beam in any other suitable manner.

F represents a pair of right and left hand plowshares which extend in opposite directions from opposite sides of the standard, and have their mold-boards bolted on their inner sides to the proximate corners of the standard, and have the rear ends of their landside-plates also bolted to the lower end of the landside side of the standard, as shown, the latter being recessed to receive the landside-plates of the plowshares.

G represents a brace-bar, which has its central portion bolted to one side of the standard, and has its ends bolted to the inner sides of the mold-boards, the function of the said brace-bar being to strengthen the connection

between the mold-boards and the standard, so as to enable the plowshares to bear the strain to which they are subjected.

H represents a draft-ring, which is secured on the draft-rod, and is adapted to move lengthwise thereon and to engage either of the notches of either of the clevises in the ends of the draft-rod, the said draft-ring being thereby adapted to be laterally adjusted in the clevises. Locking-plates I are pivoted to the draft-rod near the ends thereof, and are adapted to engage the draft-ring when the same is in either clevis, so as to secure the draft-ring at any desired lateral adjustment.

K represents the plow-handles, which have their lower front ends secured on a pivotal bolt, L, that extends transversely through the center of the beams. A cross-bar, M, connects the plow-handles near their lower ends, and a suitable rung, N, connects the same at a suitable distance from their rear ends.

O represents a bail, which has its ends connected to the ends of the rung, and said bail depends therefrom and is adapted to be engaged by either of a pair of spring-detents, P, that project upward from the ends of the plow-beams. Arranged opposite each spring-detent is a guide pin or post, R, against which the lower side of the bail bears when engaged by the detent.

The operation of my invention will be very readily understood.

The whiffletree of the team is attached to the draft-ring and the plow-handles are extended from the end of the plow to which the team is attached, and when the plow reaches the end of the furrow the draft-ring will be disengaged by the plate I and the team is turned and caused to proceed to the opposite end of the plow-beam, the draft-ring traveling freely on the draft-rod O until it reaches the clevis at the opposite end of the beam. While the team is being thus reversed in position the plowman disengages the detent from the bail O and swings the handles to the opposite end of the plow-beam, as illustrated in dotted lines in Fig. 1, and causes the bail to be engaged by the detent at the said opposite end of the plow-beam, when the plow may be started on the return-furrow and will be caused to throw all of the furrows in the same direc-



tion, as will be readily understood. Each end of the plow-beam is provided with a vertical series of transverse openings for the reception of the bolts which secure the draft-rod to the beam, so that either end of the draft-rod may be readily raised or lowered in order to secure the correct adjustment of the plow.

Having thus described my invention, I claim—

10 1. In a reversible plow, the combination of the double-ended beam, the standard depending from the center of the same, the right and left hand plowshares arranged in reversed positions, and the longitudinal draft-rod on one side of the plow-beam and having the traveling draft-ring, substantially as described.

20 2. The combination, in a reversible plow, of the double ended beam, and the draft-rod arranged longitudinally on one side thereof and having the clevises formed in its ends, the ends of said draft-rod being secured to and vertically adjustable on the ends of the plow-beam, substantially as described.

25 3. The combination, in a reversible plow, of

the double ended beam, the longitudinal draft-rod having the clevises formed in its ends and secured to the ends of the beams, said clevises having the laterally-adjusting notches, and the draft ring or link arranged on the draft-bar and adapted to be engaged by the notches in either of the clevises, substantially as described. 30

4. The combination, in a reversible plow, of the double-ended beam, the longitudinal draft-rod having its ends secured to the ends of the beam and forming the clevises, the latter having the notches on their inner sides, the draft ring or link adapted to slide on the draft-rod and engage either of the clevises, and the locking-plates L, pivoted to the draft-rod at its ends, for the purpose set forth, substantially as described. 35 40

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in presence of two witnesses. 45

CHARLES HORACE FARLEY.

Witnesses:

DAVID M. MILLER,

H. C. THURMOND.