R. B. THOMSON.

PLOW.

No. 189,151. Patented April 3, 1877.

Fig. 1

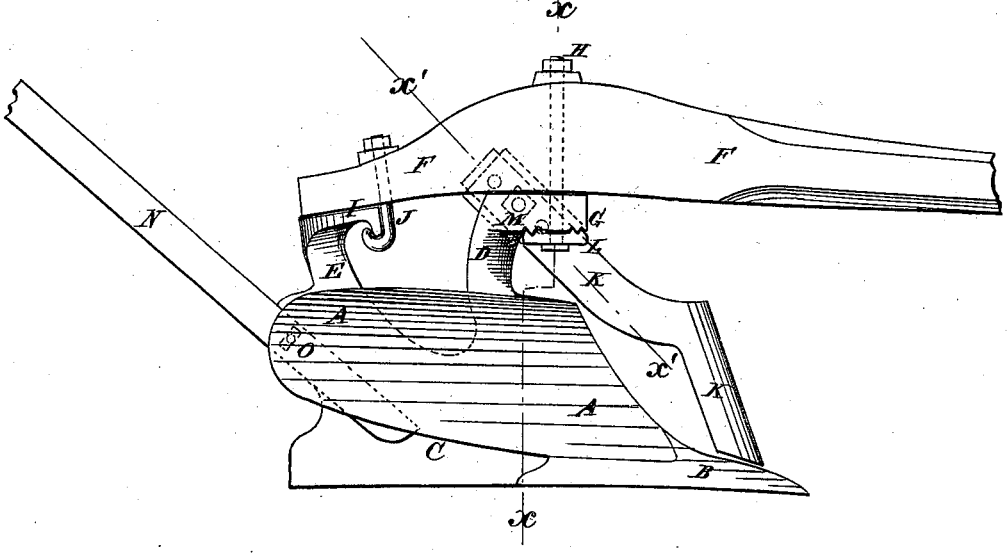


Fig. 2

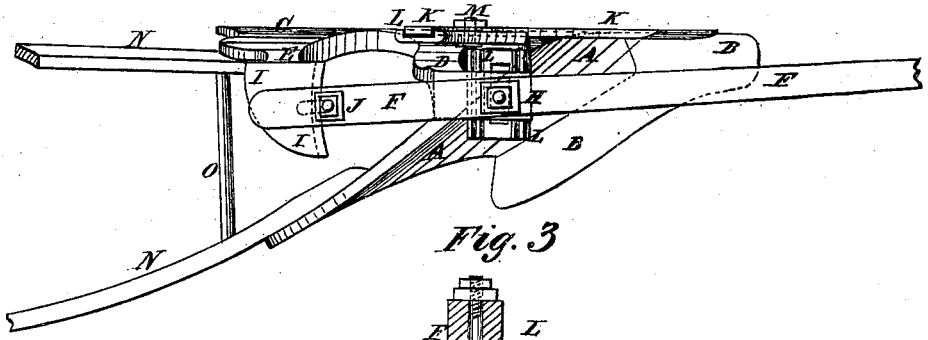
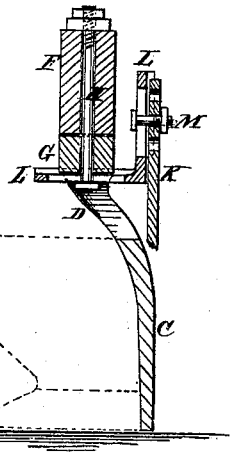


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT B. THOMSON, OF DANSVILLE, MICHIGAN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **189,151**, dated April 3, 1877; application filed February 10, 1877.

To all whom it may concern:

Be it known that I, ROBERT BEN. THOMSON, of Dansville, in the county of Ingham and State of Michigan, have invented a new and useful Improvement in Plows, of which the following is a specification:

Figure 1 is a side view of my improved plow. Fig. 2 is a top view of the same. Fig. 3 is a detail section of the plow and plow-beam through the line *x x*, and of the colter and colter-holder through the line *x' x'*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A is the mold-board, B is the point, C is land-side, D is the forward standard, E is the rear standard, and F is the beam, of the plow. The standards D E are made with bends or offsets near their upper ends, to bring the beam F directly over the line of resistance. The upper end of the forward standard D has a forward projection or arm, G, formed upon it, through which passes the bolt H, that secures and pivots the beam F to the said standard D. Upon the upper end of the rear standard E is formed a projection or plate, I, which is made in the form of a section of a circle. The forward edge of the plate I is concaved, and has a flange formed upon its lower side to receive the hook of the hook-bolt J, which passes up through the rear end of the beam F, so that by loosening the nut of the bolt J the rear end of the plow-beam F may be moved from or toward the unplowed land, to adjust the plow to take or leave land, as may be desired. K is the colter, the lower part or blade of which is straight, and is set at an inclination and with its lower end resting upon or near the land-side edge of the point B. The upper part or stem of the colter K is bent or inclined to the rearward, and is fitted into a groove in the outer side of the upper or rearwardly-inclined arm of the colter-holder L. The lower arm of the holder L is horizontal, passes beneath the arm G of the forward standard D, and is corrugated to fit into corresponding corrugations upon the under side of the said arm G. The lower arm of the colter-holder L is slotted longitudinally to receive the bolt H, by which it is secured in place. The upper arm of the colter-holder L is slotted longitudinally to receive the bolt M, by which the colter K is secured to it. Several holes are formed in the stem of the colter K to receive the bolt M. By this construction the colter K is entirely independent of the beam F, and may be adjusted up or down and toward or from the land, as may be desired.

N are the handles, which are connected by rounds O, the lower ends of which are secured to the land-side C and mold-board A by bolts, the upper bolts passing through slots, so that the rear ends of the handles N may raised and lowered to correspond with the height of the plowman.

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

The angular adjustable colter-holder L, in combination with the arm G of the standard D and with the colter K, substantially as herein shown and described.

ROBERT BEN. THOMSON.

Witnesses:

JAMES THOMSON,

MARCUS M. ATWOOD.