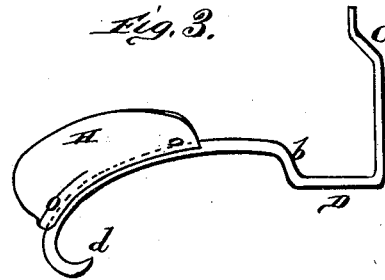
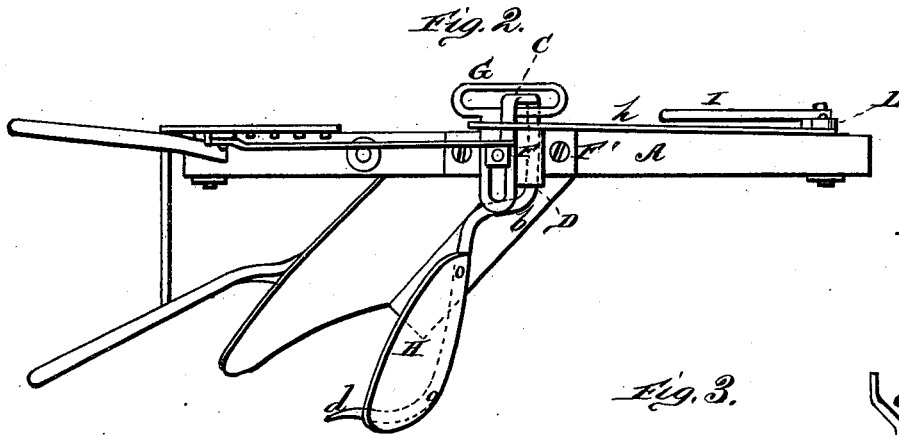
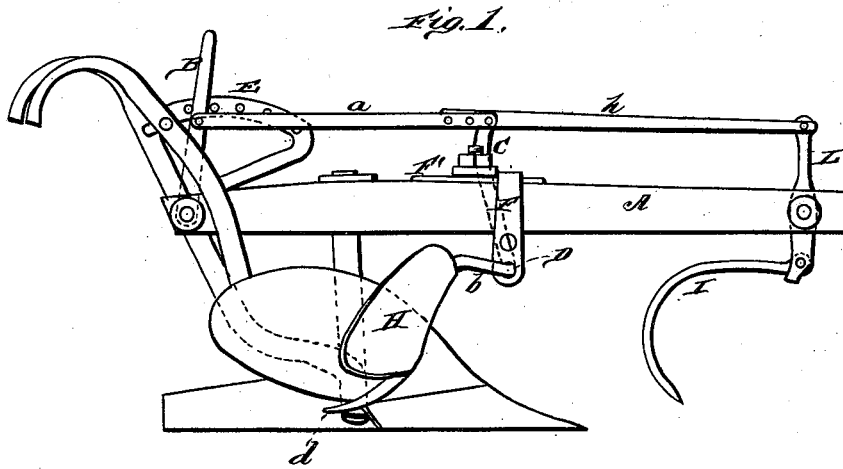


J. D. MUNSON
Plow-Attachment.

No. 204,841.

Patented June 11, 1878.



WITNESSES

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IMPROVEMENT IN PLOW ATTACHMENTS.

Specification forming part of Letters Patent No. **204,841**, dated June 11, 1878; application filed March 30, 1878.

To all whom it may concern:

Be it known that I, JOHN D. MUNSON, of Beloit, in the county of Rock and State of Wisconsin, have invented a new and valuable Improvement in Plow Attachments; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of a plow, showing my attachment; and Fig. 2 is a plan view thereof. Fig. 3 is a detail perspective view.

The nature of my invention consists in the construction and arrangement of an attachment for plows designed for fitting the surface and folding under to the bottom of the furrow all obstructions that may be scattered upon the surface, such as corn-stalks, stubble, grass, and other litter, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the plow-beam of any ordinary plow. To the rear end of this beam, at the side, is pivoted a lever, B, which may be held, at any angle desired, in a rack, E, secured to the plow-beam and one of the handles. The lever B is, by a rod, *a*, connected with a crank-shaft, D, of the shape substantially as shown in Fig. 3 of the drawings. This crank-shaft is hung or suspended in the ends of a stirrup, F, straddling the plow-beam A, inverted, and fastened to the top of said beam by a plate, F'.

The arms of the stirrup F are perforated with two or more sets of holes, so that the crank-shaft D can be adjusted up and down, as required, according to the kind of plow on which the attachment is applied.

The crank-shaft D on the outer side of the plow-beam extends upward, forming a crank-arm, C, through a guide, G, which has a slotted arm fastened by a bolt on top of the plate F', so that the guide can be adjusted out and in, as required.

The crank-shaft D has at the inner side of

the beam a rearward bend at *b*, and it is then turned across the front of the mold-board in the curved form shown, and the extreme end bent rearward and downward, forming the point *d*.

To the curved portion of the shaft D is attached the shield H, which is essential in plowing under grass, straw, stubble, and other little obstructions. The bends of the crank-shaft D, as shown and described, are essential in folding close to the bottom of the furrow.

The upper end of the crank-arm C is also, by a rod, *h*, connected with the upper end of a lever, L, pivoted to the side near the front end of the plow-beam, and to the lower end of said lever is pivoted the regulator-hook I, for catching the stalks that would be an obstruction to the plow, placing them in position to be folded under the bottom of the furrow. The independent joint of the regulator leaves it free to pass over the surface and obstructions without interfering with the draft of the plow.

The rods *a* and *h* are adjustably connected to the upper end of the crank-arm C, so that they can be adjusted or regulated as occasion may require.

This machine is intended to fit all kinds of plows, and may be attached either to the top or bottom of the beam.

By throwing the lever B back the parts are in proper position for the work designed, and by throwing the lever forward the shield and hook are both thrown out of the way.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with an ordinary plow, the crank-shaft D, and operating devices, constructed substantially as described, of the pivoted regulator-hook I, pivoted lever L, and connecting-rod *h*, for the purposes described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN D. MUNSON.

Witnesses:

B. C. ROGERS,
S. H. ALLEN.