

J. H. MONROE.

PLOWS.

No. 178,454.

Patented June 6, 1876.

Fig. 1.

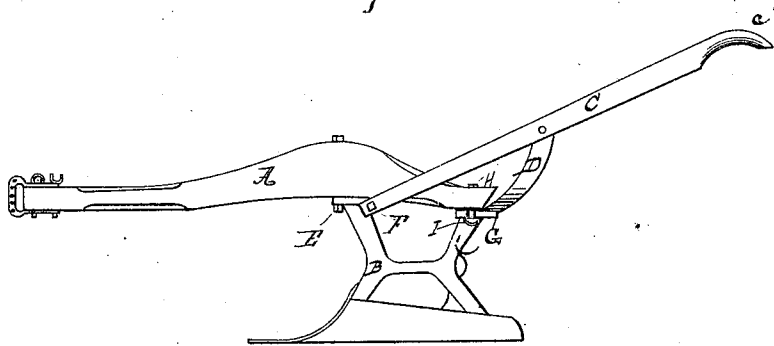
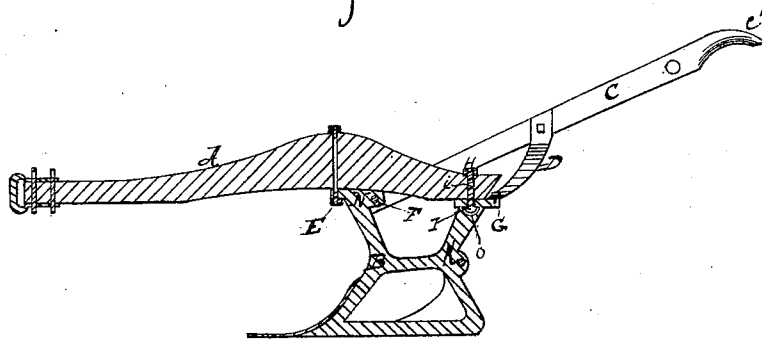


Fig. 2.



WITNESSES-

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JOHN H. MONROE, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR TO MONITOR
PLOW-WORKS, OF SAME PLACE.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **178,454**, dated June 6, 1876; application filed
March 9, 1876.

To all whom it may concern:

Be it known that I, JOHN HYDE MONROE, of Minneapolis, in the State of Minnesota, have invented a new and Improved Plow; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of the plow. Fig. 2 is a vertical cross-section of the same.

My invention relates to plows having adjustable beams, and certain other improvements having economical and mechanical advantages; and it consists in a plow having a pivoted beam, and the handles fastened directly to the plow-standard, as hereinafter more fully described and claimed.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is the plow-beam, pivoted by a bolt, E, to the plow-standard B, so that it may have a lateral horizontal motion. On the top of the standard B is a head, N, through which passes a horizontal bolt, F, which clamps and holds the ends of the handles C without mortising the beam, or attaching the handles thereto directly. Another standard, K, rises from the rear of the shear and land-side, and on its top is a slotted block, G, to which are attached metal braces D for the handles C. The transverse slot O has passing through it a vertical bolt, i, having on one end a head, I, and on the other a nut, H, the bolt passing through the rear end of the beam A. Around the bolt E, as a center, the beam

A has a curvilinear adjustment to the extent of the slot O, and can, through means of the bolt i and nut H, be clamped at any point throughout the extent of the slot, so as to adjust the draft on the beam.

The handles C are made from a straight piece of wood, and the hand portions C' sawed out at a proper curve to hold. The lower ends of these handles are bolted directly to the plow-standard B, or the head N, by means of the bolt F, as shown. By this means I give the handles a decidedly rigid hold upon the standard, and, at the same time, put them at such an angle as to avoid any necessity of bending at the hand portions. They are entirely detached from the beam, so as to allow the adjustment of the beam horizontally without affecting the handles.

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

The plow-frame consisting of the front standard B, the rear standard K, with sole and cross-brace connecting the same, all cast in one piece, and curved inward and upward from the land-side, and provided with a perforated lug upon the top of the front standard, to receive the handles, and with a cross-slot on the rear standard to allow lateral adjustment of the beam, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand.

JOHN HYDE MONROE.

Witnesses:

W. B. JACKSON, Jr.,
VERNON BELL.