

J. MARTIN.
Plow.

No. 206,806.

Patented Aug. 6, 1878.

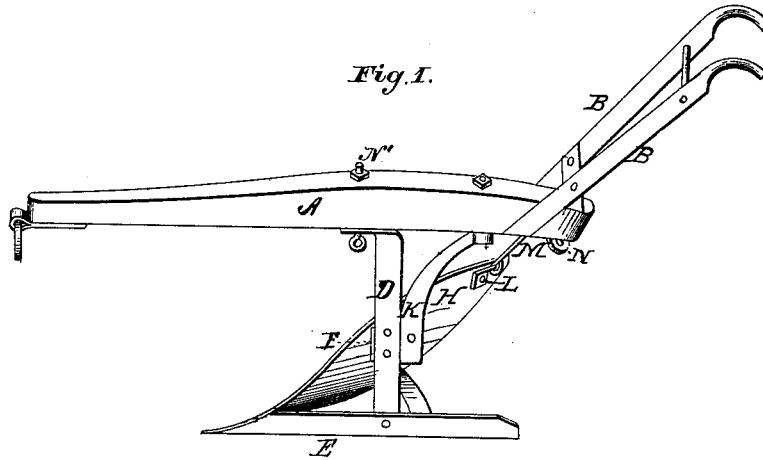


Fig. 2.

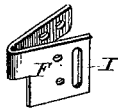


Fig. 3.

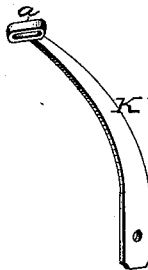


Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.



Attest

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JACOB MARTIN, OF CANTON, MISSOURI.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 206,806, dated August 6, 1878; application filed September 17, 1877.

To all whom it may concern:

Be it known that I, JACOB MARTIN, of Canton, Lewis county, Missouri, have invented certain new and useful Improvements in Plows; and I declare that the following is an exact description thereof.

The invention relates to an improvement in plows; and consists in the devices hereinafter set forth and claimed.

The object of the invention is to provide a suitable means for adjusting the plowshare vertically to regulate the depth of the furrow, and laterally to suit the team employed, whether of two or more horses.

Figure 1 of the annexed drawings is a perspective view of a device embodying the elements of the invention. The remaining figures are detached views of the separate parts of the device.

In the accompanying drawings, A represents the plow-beam, which is provided on its front end with a suitable device for attaching the horses, and upon opposite sides of its rear end with the handles B.

D represents a plow-standard, supplied upon its upper end with a lug having a convex upper surface, and an aperture through which an eyebolt, N', is passed to secure the standard to the lower surface of the plow-beam, the convex surface allowing the standard to have a rocking movement when actuated. Upon the lower end of the standard D is attached the land-side E, and at a suitable distance above this, upon its right face, the angular plate F, one arm of which diverges outward and rearward, and is rigidly secured to the rear surface of the mold-board H, the other arm being flat against the standard D, and having its end extending a suitable distance beyond the rear edge of same. That portion of the plate F which projects beyond the edge of the standard D is provided with the vertical guide-slot I, in which is placed the bolt attached to the lower end of the brace-bar K, the bolt being retained therein by a suitable nut, which, when screwed hard against the face of the angle-plate F, secures the brace-bar K in an immovable position, and, when loosened from the plate, permits a free

vertical sliding movement of the said bar. The upper end of the bar K curves rearward, and is furnished on its upper end with an elongated slot, a, by means of which it is secured to the under surface of the plow-beam by a suitable bolt, and is capable of lateral movement.

The rod M has a loop or eye upon each end, and is connected to the upper edge of the mold-board, at one end, by the angle-plate L, the other end being secured to one end of the plate N, which is retained upon the under surface of the plow-beam by a bolt which passes through the elongated slot b, cut in its longitudinal center, the slot b allowing the plate N to be moved laterally. The purpose of providing for a lateral movement of the plate N and brace-bar K is to permit the adjustment of the land-side according to the team employed, whether of two or more horses.

It is obvious that the land-side and plowshare may be inclined so as to dig a deep furrow by pressing downward upon the rear end of the plow-beam A, the downward pressure causing the lower end of the brace-bar K to move downward in the guide-slot I, and the standard to incline slightly rearward, thereby depressing the front end of the plowshare.

It is also obvious that the above movement need simply be reversed to cause the land-side and plowshare to assume their former position and dig a shallower furrow.

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

In a plow, as a means for regulating the depth of the furrow and laterally adjusting the plowshare to suit the team employed, the standard D, having a convex lug upon its upper end, and provided with the angle-plate F, having slot I, which engages a bolt secured upon the lower end of the brace-bar K, in combination with the mold-board H, rod M, and slotted plate N, substantially as set forth.

In testimony whereof I have set my hand this 5th day of July, 1877.

JACOB MARTIN.

Witnesses:

J. G. MORTON,

J. V. McCORMICK.