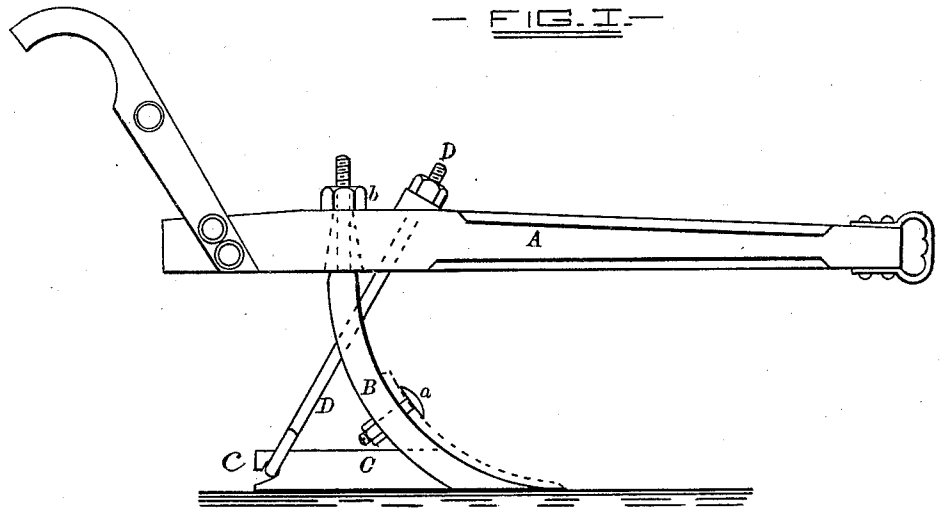
(Model.)

J. H. HARIG.

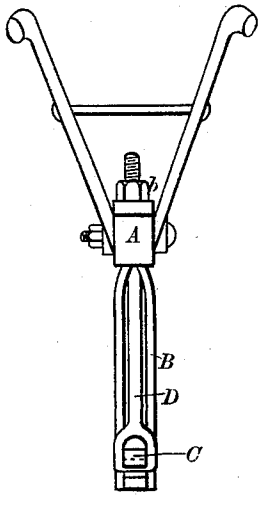
PLOW.

No. 245,716. Patented Aug. 16, 1881.

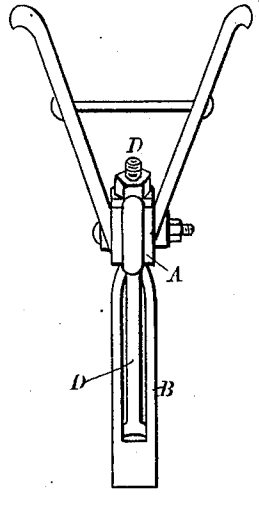
— FIG. I. —



— FIG. II. —



— FIG. III. —



— WITNESSES: —

Geo. A. Boyden.

Harry V. Albaugh.

— INVENTOR: —

John H. Harig,

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N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN H. HARIG, OF TORRANCE, MISSISSIPPI.

PLOW.

SPECIFICATION forming part of Letters Patent No. 245,716, dated August 16, 1881.

Application filed February 9, 1881. (Model.)

To all whom it may concern:

Be it known that I, JOHN H. HARIG, of Torrance, Yalabusha county, Mississippi, have invented certain Improvements in Plows, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to certain improvements in the means for securing in place the plow-irons, as will hereinafter fully appear.

In the description of my said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure I is an exterior side view of the invention. Fig. II is a rear view of the plow. Fig. III is a front view of the same.

Similar letters of reference indicate similar parts in all the views.

In the drawings, A is the plow-beam, and B the standard, to which the plow-irons are secured.

The plow-irons may be of any description and adapted to any kind of work.

The standard B is slotted to accommodate the bolt *a*, which holds the plow-iron, and it is threaded at its upper end, which passes through the beam A, and is provided with a nut, *b*. The lower end of the standard B is welded or otherwise rigidly secured to the land-bar C.

The heel of the land-bar is connected to the plow-beam by means of a regulating-rod, D, which passes through the slot in the standard B.

To admit of the ready attachment of the lower end of the regulating-rod D to the land-bar, the said rod is provided with a spade-handle-shaped extremity, which fits over a portion of the land-bar formed by notching the same, as clearly shown in the drawings. The upper end of the regulating-bar is threaded and supplied with a nut, which enables the said bar to be practically shortened or lengthened to give the desired angle to the land-bar. By this means the plow may be made to cut any desired depth.

I am aware that it is not new to have the plow-standard adjustable, and that plow-standards have been adjusted in angle by means of a bolt extending diagonally from the standard to the upper part of the beam; but I am not aware that prior to my invention the adjusting or regulating bolt had been connected to the heel of the land-bar, which is rigidly attached to the standard. This construction admits of greater leverage being obtained in adjusting the position of the standard, as the regulating-bolt, while intersecting the standard at a point sufficiently high to escape the plow-irons, is attached to the land-bar, which is practically a part of the standard, at a greater distance from the under side of the beam than the intersecting point, before referred to. In addition to this ease of adjustment, in view of the increased leverage, as described, the standard is held more firmly in position, and is thereby better enabled to withstand sudden shocks in plowing than if the regulating-bolt were connected with the standard at a point above the plow-irons.

I claim as my invention—

In a plow, the beam A, slotted standard B, adjustably connected to the said beam, and land-bar C, having notch *c* fastened to said standard, combined with the hooked rod D, to engage the heel of the land-bar, the said rod passing loosely through the beam A and slotted standard B, whereby the pitch of the standard is adjusted, substantially as and for the purpose specified.

JOHN H. HARIG.

Witnesses:
L. R. WILSON,
J. M. DAVIS.