

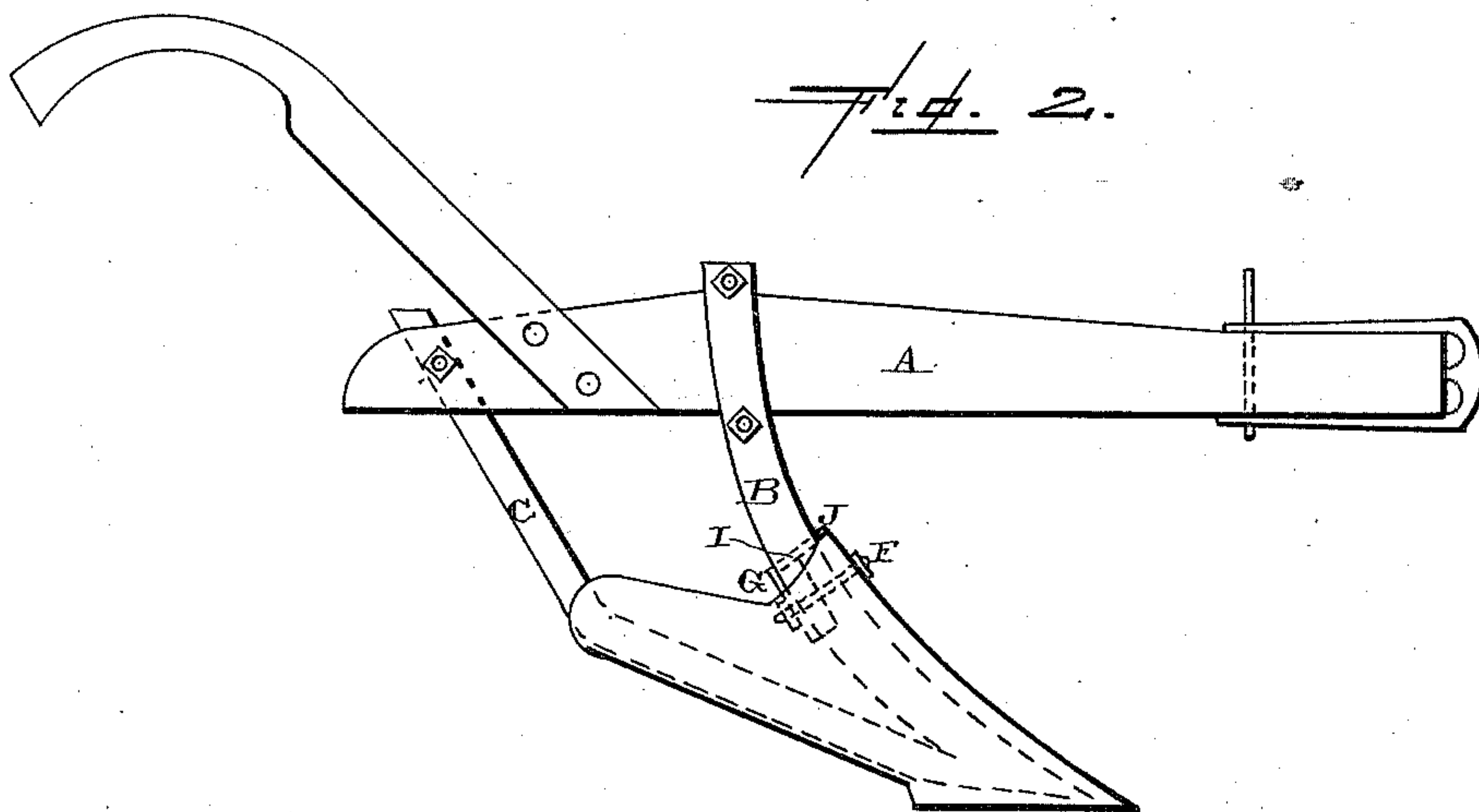
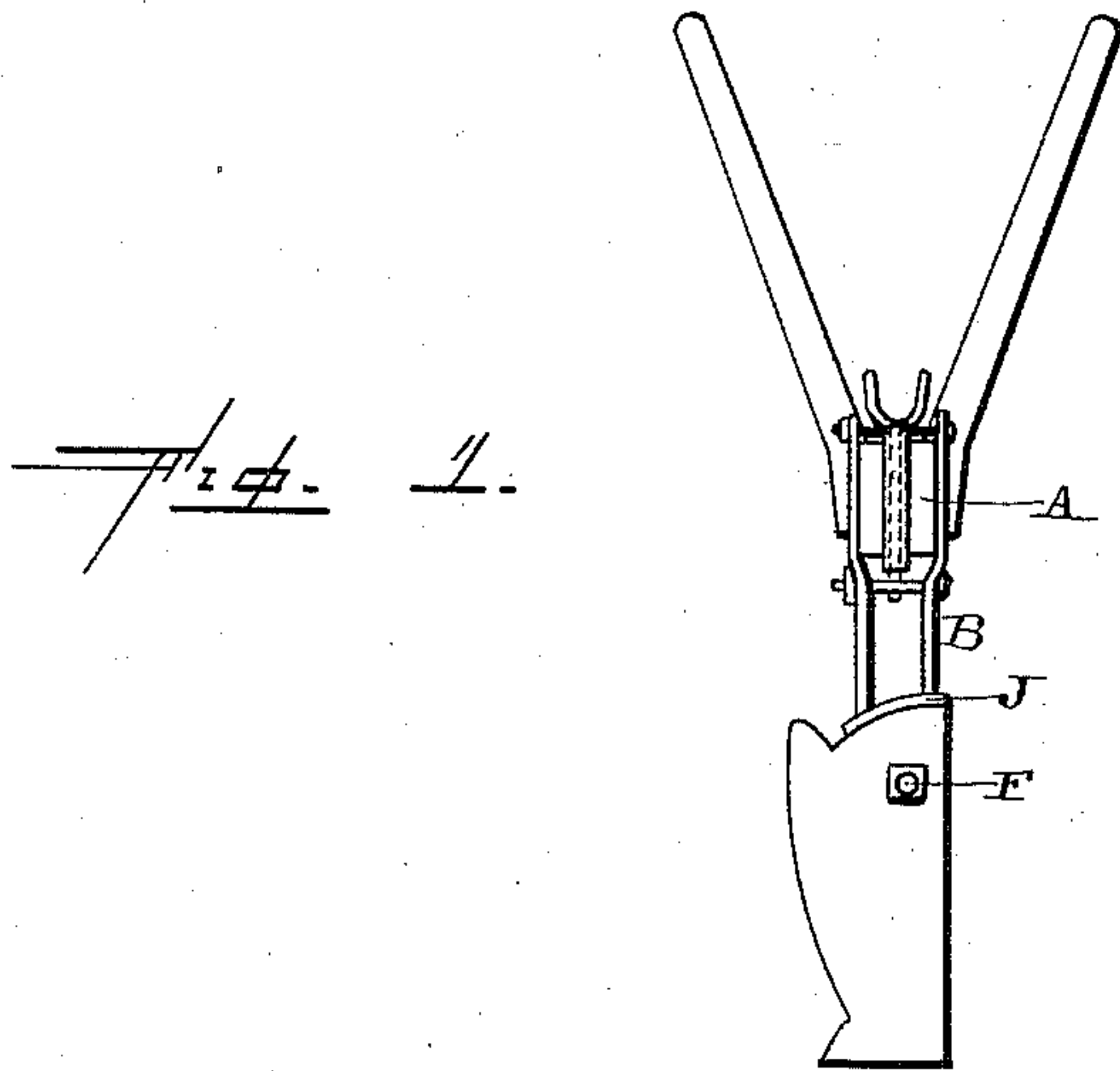
(No Model.)

J. F. McKINLEY.

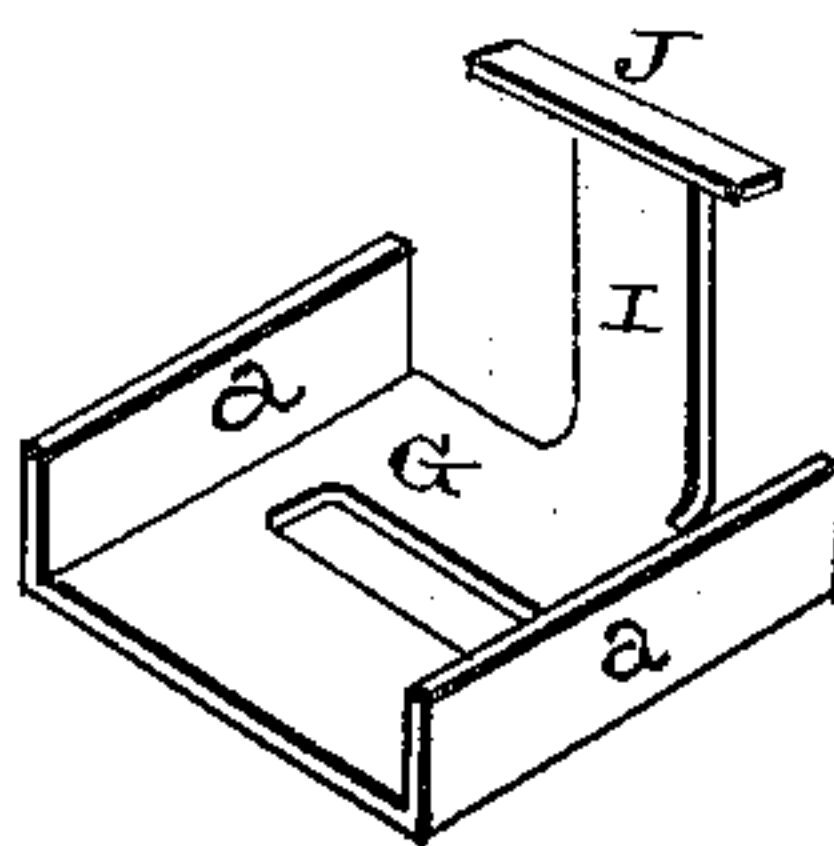
PLOW.

No. 307,670.

Patented Nov. 4, 1884.



*Fig. 3.*



—WITNESSES.—

*Louis T. Gardner*  
*A. Patterson*

—INVENTOR.—

*J. F. McKinley*  
*per*  
*F. A. Lehmann,*  
*Att'y*

# UNITED STATES PATENT OFFICE.

JOHN F. McKINLEY, OF RIVER BRIDGE, ALABAMA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 307,670, dated November 4, 1884.

Application filed May 27, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, J. F. McKINLEY, of River Bridge, in the county of Monroe and State of Alabama, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in plows; and it consists in the combination of the slotted metallic standard, mold-board, and slide, which is provided with a part which catches over the top of the mold-board and holds it rigidly in place, and the clamping-bolt, as will be more fully described hereinafter.

The object of my invention is to clamp the mold-board to the slotted standard by a single bolt, and to pass this bolt through a device which catches both against the rear of the standard and over the top of the mold-board, so as to hold the mold-board rigidly in position.

Figure 1 is a front view of a plow embodying my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a perspective of the clamping-plate by which the mold-board is held.

A represents the beam, B the slotted standard, C the brace which is attached to the lower end of the standard, and which has its upper end to pass up through the rear end of the beam A. The mold-board is applied to the front side of the standard in the usual manner, and only a single clamping-bolt, F, is used to clamp it in place. In order to prevent this mold-board from turning upon the bolt, the clamping-slide G is used, which is applied to the rear side of the standard, as

shown, and through which the clamping-bolt passes. Projecting from the upper end of this slide is the arm I, and upon the front end of this arm is formed the cross-bar J. This arm is just long enough to pass through the standard and the bar J, which extends over the upper edge of the mold-board, as shown, so as to prevent the mold-board from turning upon the bolt. This plate has its edges *a* turned at right angles to its central portion, so as to catch over the opposite edges of the standard, and thereby prevent the plate itself from having any tendency whatever to turn. After the bolt has been passed through the mold-board, the standard, and the clamping-plate the nut is secured tightly upon its rear end, and the plate will then hold the mold-board rigidly in place. By means of this construction not only is the mold-board held by a single bolt, but it can be adjusted up and down upon the standard at the will of the operator and with very little trouble.

I am aware that various forms of devices have been used to catch over the top edge of the cultivator; but in no case has a slotted plate having flanges on its edges to catch over the sides of the standard, an arm to extend through the standard, and a downturned flange on its front end, been used.

Having thus described my invention, I claim—

The combination of the double standard, the slotted slide G, having the flanges *a*, the arm I, and downturned flange J, the bolt F, and the mold-board, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN F. McKINLEY.

Witnesses:

JOHN B. McMILLAN,  
HELLEN RUTHEFORD.