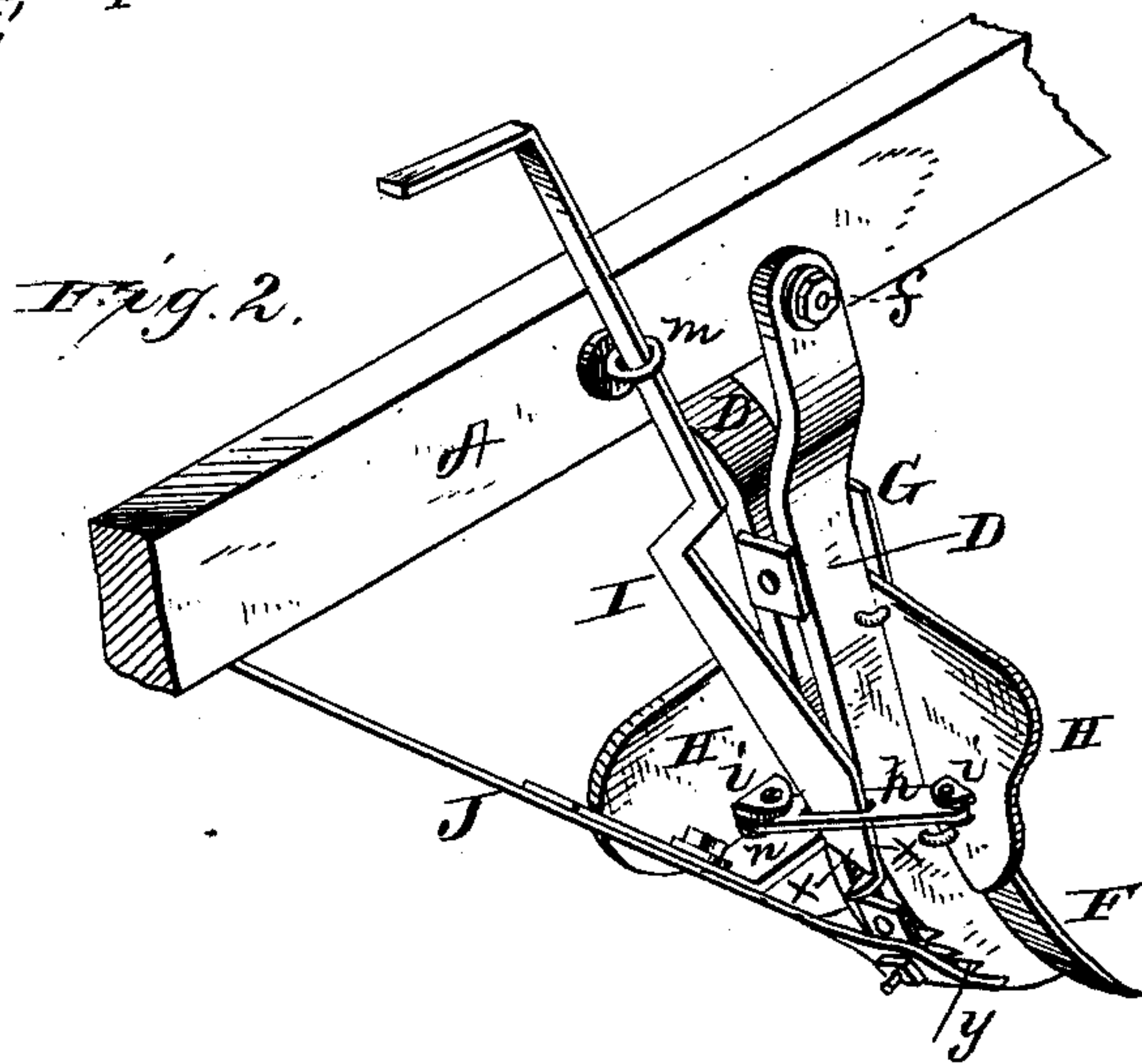
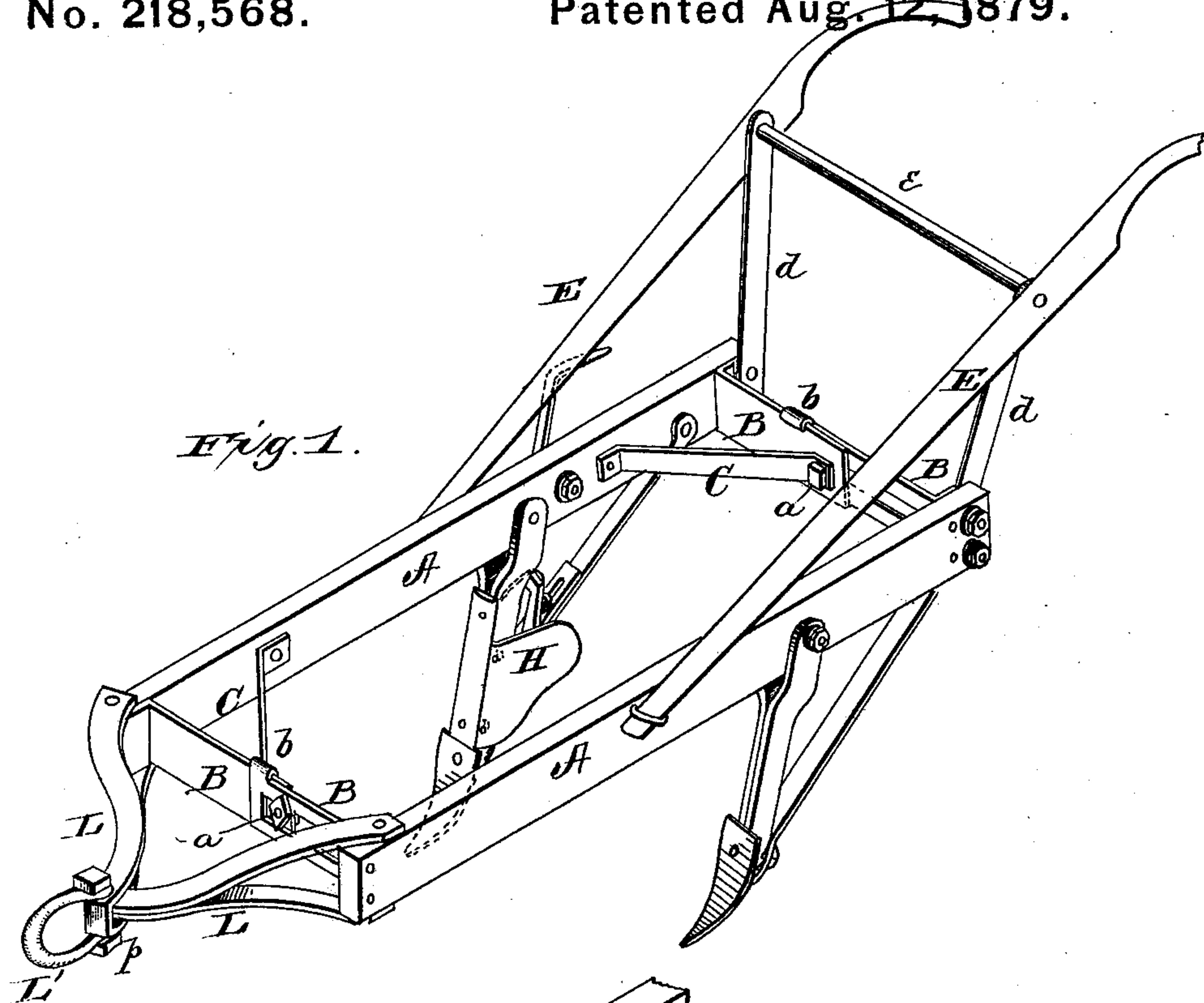


W. J. PIRKLE.
Plow.

No. 218,568.

Patented Aug. 12, 1879.



WITNESSES

F. L. Ouzand.
H. A. Toulmin

By

INVENTOR.

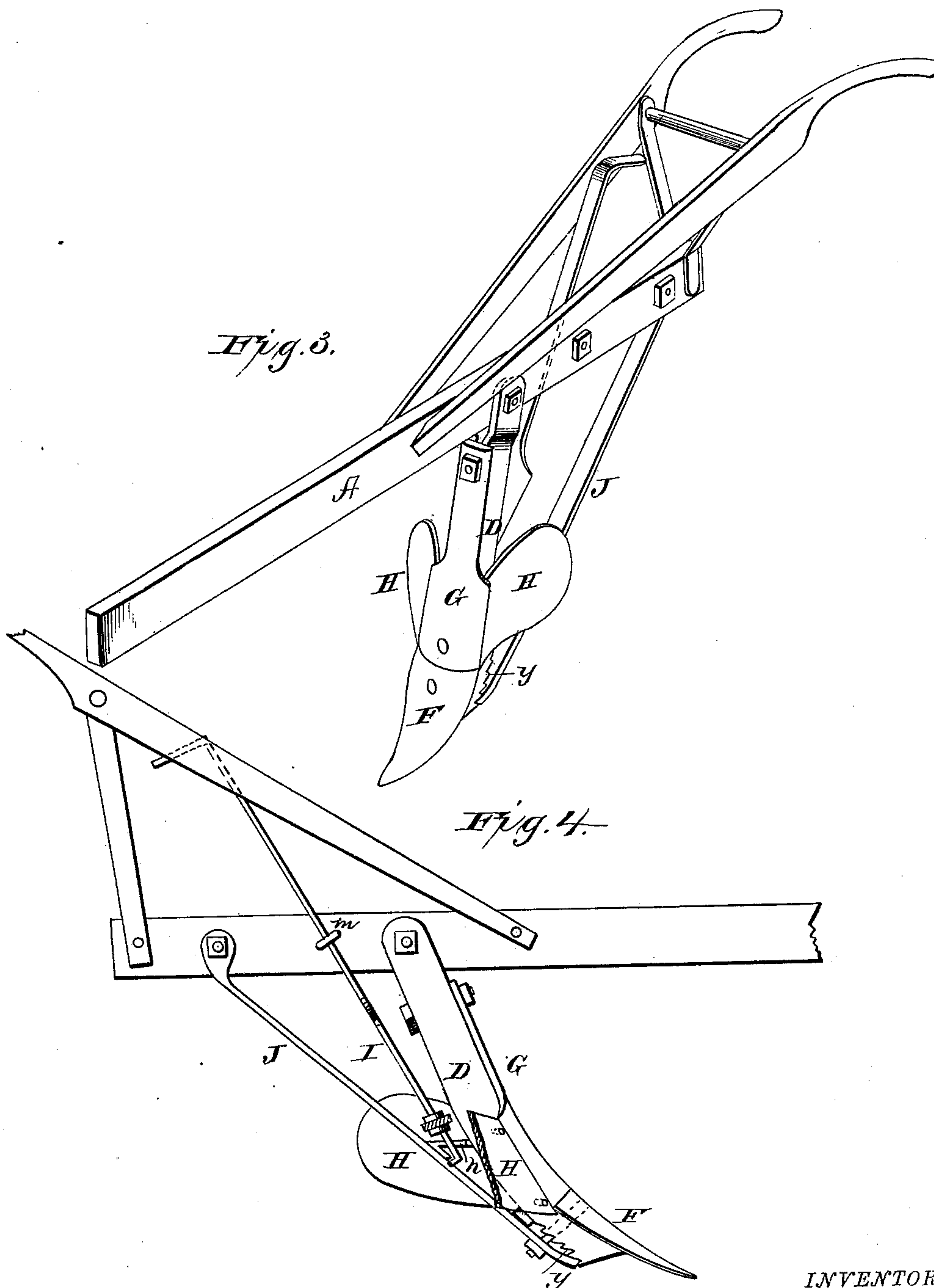
Wm J. Kirk
Alexander Mason

ATTORNEYS.

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F. L. Curand,
H. A. Toulmin.

By

INVENTOR
Wm. J. Pirkle
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UNITED STATES PATENT OFFICE.

WILLIAM J. PIRKLE, OF CUMMING, GEORGIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **218,568**, dated August 12, 1879; application filed January 14, 1879.

To all whom it may concern:

Be it known that I, WILLIAM J. PIRKLE, of Cumming, in the county of Forsyth, and in the State of Georgia, have invented certain new and useful Improvements in Plows; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a reversible single or double plow, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a perspective view of a double plow, showing the adjustability of the side beams and clevis and the reversible side wings. Fig. 2 is a rear perspective view of the plow-foot and side wings. Fig. 3 is a perspective view of a single plow, and Fig. 4 a side elevation of the same, embodying my invention.

A A represent two parallel side beams, connected at the ends by sliding bars B B, one at each end being slotted and provided with flanges *b b*, which overlap the other bar, and the two secured by a bolt, *a*.

C is a brace, secured to one of the side beams, and connected to the fastening-bolt *a*, as shown.

E E are the handles, secured to the side beams, and connected together by a round, *e*. Straps *d d* connect each handle from the round with the rear end of the beam, as shown.

To each beam A is connected a plow-foot, which is composed of two bars, D D, secured together parallel, with suitable dividing pieces between them, and their upper ends separated and fastened on opposite sides of the beam by a single bolt, *f*.

To the lower end of the foot D D is attached the plow F, and above the same is a plate, G, running along the front edge of the foot.

To each side of the plow-foot, at the front edge, immediately behind the projecting edge

of the plate G, is hinged a wing, H, and the two wings are connected by means of a slotted bar, *h*, pivoted to lugs *i i* on the back of the wings. In the slotted bar *h* is placed the lower end of a lever, I, which passes up through an eyebolt, *m*, in the beam A.

The lower end of the lever I is formed with double inclines *x x*—that is, inclined on each side—to bear against the edges of a plate, *n*, secured to and connecting the plow-foot with a rear brace, J.

It will be seen that by raising the lever I, then throwing it over, and pressing down on the other side of the plate *n*, the wings H are reversed and locked in place.

The upper end of the rear brace, J, is fastened to the beam A, and the lower end bent to enter any one of a series of notches, *y*, made in the rear edge at the lower end of the plow-foot, the brace being then fastened by the same bolt which secures the plow F.

The plow-foot, with wings and lever for reversing the same, may be equally as well applied and used for a single plow, as represented in Figs. 3 and 4.

With the double plow, as shown in Figs. 1 and 2, I use a clevis composed of two bent or doubled bars, L L, having their ends pivoted on the top and bottom of the side beams, and their centers pivoted together, one within the other, by a bolt, *p*, which also connects and pivots the link L', for attaching the whiffletree.

By the construction of the clevis L L it will adapt itself to any adjustment of the side bars, A A, as they may be expanded or contracted.

The plow-foot can be adjusted at any angle desired, and securely braced by the brace J, the lower end of which is shifted in the notches *y*, according to the angle of the plow-foot.

I am aware that it is not new to use two wings or mold-boards hinged to a plow and connected together, and operated by a single lever, and I do not claim such, broadly, as my invention.

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

1. The combination of the adjustable side beams, A A, the sectional cross-bars B, with hooks *b*, the self-adjusting clevis, composed of

the doubled bars L L, the bolt *p*, and link L', substantially as and for the purposes herein set forth.

2. The combination, with the plow-foot D, of the hinged side wings, H H, connected by the slotted bar *h*, the lever I, having inclines *x*, and the plate *n*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of December, 1878.

WM. J. PIRKLE.

Witnesses:

A. M. REINHARDT,

HENRY PHILLIPS.