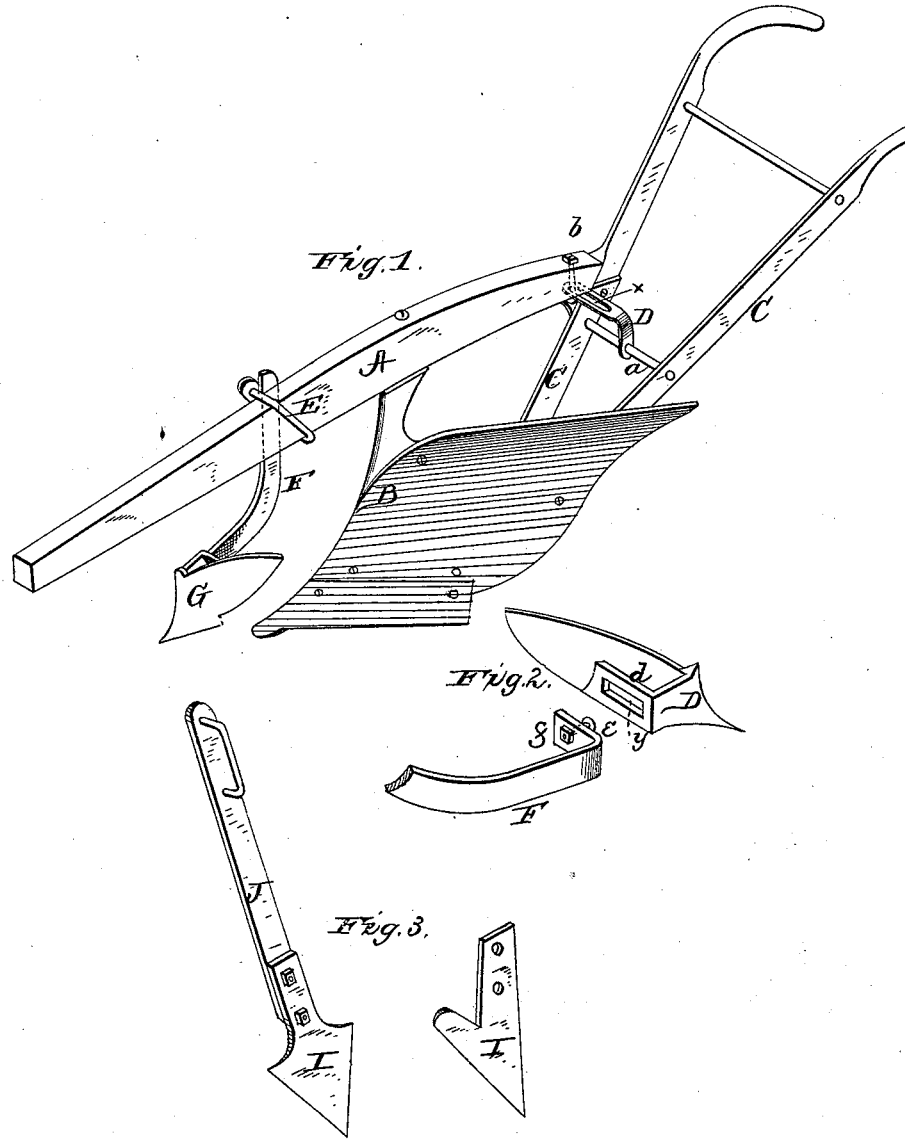


M. L. GIBBS.  
Plow.

No. 212,209.

Patented Feb. 11, 1879.



WITNESSES  
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By

INVENTOR  
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ATTORNEYS

# UNITED STATES PATENT OFFICE.

MARTIN L. GIBBS, OF CANTON, OHIO.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **212,209**, dated February 11, 1879; application filed November 18, 1878.

*To all whom it may concern:*

Be it known that I, MARTIN L. GIBBS, of Canton, in the county of Stark, and in the State of Ohio, 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 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 my plow. Fig. 2 is a perspective view, in detail, of the jointer and jointer-sheath. Fig. 3 represents a greensward-cutter.

A represents the plow-beam, with plow B pivoted thereto in any of the known and usual ways. C C are the handles, which are rigidly secured to the land-side and mold-board of the plow, said handles being connected by rounds *a*. The land-side handle has a slotted plate or casting, D, rigidly secured to it on the inner side. This plate or casting extends above one of the rounds, and is turned downward at its inner end, forming an arm, through which the said round passes. The body of the plate D is slotted, as shown at *x*, and the rear end of the beam A rests on said plate and is fastened thereto by a bolt, *b*, passing through the slot in the plate and through the end of the beam. By these means the beam can easily and quickly be adjusted at any angle with relation to the plow for taking more or less land, as desired.

G represents the jointer, and F the jointer-sheath, the latter being held to the plow-beam

A by means of a clip, E. The jointer-sheath F is bent at or near the center on a curve, but so as to form a horizontal and a vertical part, which prevents choking in the use of the same. The jointer G is formed at the rear with a plate or bar, *d*, having a longitudinal slot, *y*, and the end of the jointer-sheath forms a foot, *f*, which is fastened to said bar by a bolt, *e*, so as to allow the jointer to be moved sidewise when the beam of the plow is moved from a two to a three horse plowing, or in or out of land.

Instead of a bolt to connect the jointer to the sheath, I may use a clamp similar to the clamp or clip E, when, of course, there will be no necessity for the slot in the rear bar of the jointer.

In connection with the plow, I also use a stationary cutter, I, for the purpose of cutting the greensward, which cutter differs from the old style of cutters in inclining or leaning forward instead of backward. The old cutter increases the draft, whereas mine diminishes it. This cutter may be made with one or two cutting-edges, both forms being represented in Fig. 3. The cutter is attached to a sheath, J, which may be fastened in any suitable manner either to the post or beam of the plow.

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

The combination of the sheath F, bent to form the foot *f*, the jointer G, provided with the slotted bar *d*, and the bolt *e*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of November, 1878.

MARTIN L. GIBBS.

Witnesses:

GEO. W. RAFF,  
J. I. LYNCH.