J. OLDENDORPH, Jr.

Plow.

No. 202,746. Patented April 23, 1878.

Fig: 1.

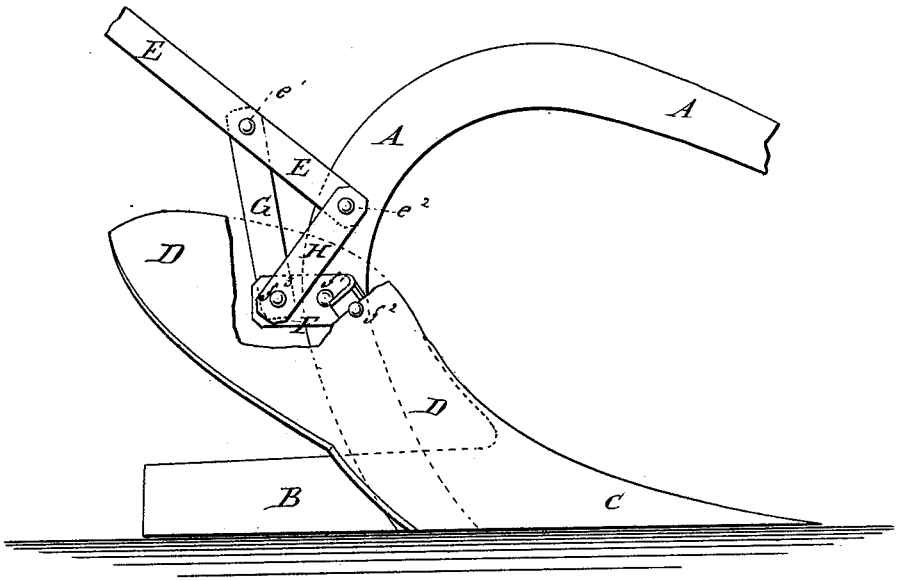
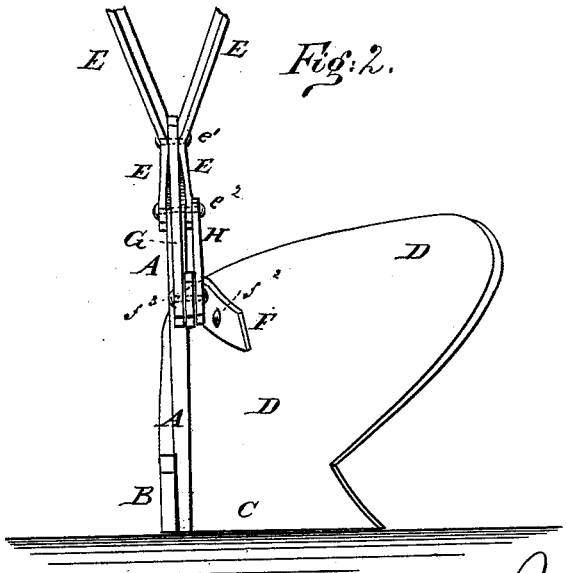


Fig: 2.



WITNESSES:

Chas. Nida

C. Sedgwick

INVENTOR:

J. Oldendorph Jr.

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JACOB OLDENDORPH, JR., OF WATERLOO, ILLINOIS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **202,746**, dated April 23, 1878; application filed February 26, 1878.

To all whom it may concern:

Be it known that I, JACOB OLDENDORPH, Jr., of Waterloo, in the county of Monroe and State of Illinois, have invented a new and useful Improvement in Plows, of which the following is a specification:

Figure 1 is a side view of a part of a plow to which my improvement has been applied, part of the mold-board being broken away to show the construction. Fig. 2 is a rear view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved mode of securing the handles to the beam of an iron-beam plow, by the use of which the handles will be firmly held in place and firmly braced against an upward or downward strain.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A represents the iron beam of a plow, the rear part of which is curved downward, to serve as a standard.

B is the land-side, C is the point, and D is the mold-board, all of which parts are constructed and connected in the usual way.

E are the handles, which are connected to each other near their lower ends by a bolt, e^1, and the lower ends of which are secured to the beam A by the bolt e^2.

The connection between the upper part of the mold-board D and the beam A is formed by a brace, F, which is secured to the said beam A by a bolt, f^1. The forward part of the brace F is bent outward and rearward, and is secured to the mold-board D by the bolt f^2.

The rear part of the brace B projects, and to it is secured, by a bolt, f^3, the lower ends of the two braces G H. The upper end of the brace G is placed between the handles E, and is secured by the bolt e^1. The brace H is inclined forward, and its upper end is secured to the handles E and the beam A by the bolt e^2.

With this construction the brace H resists the tendency of an upward or downward strain upon the handles E to loosen the brace F, and binds all the parts firmly together without making it necessary to drill any extra holes or use any extra bolts.

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

The combination, in a plow, of the brace F, connecting the beam and mold-board, with the braces G H, bolted to said brace F and to the handles, as shown and described.

JACOB OLDENDORPH, JR.

Witnesses:
HENRY KAEMPEN,
GEO. OLDENDORPH.