

S. D. WRIGHT.

Plows.

No. 157,057.

Patented Nov. 17, 1874.

Fig. 1.

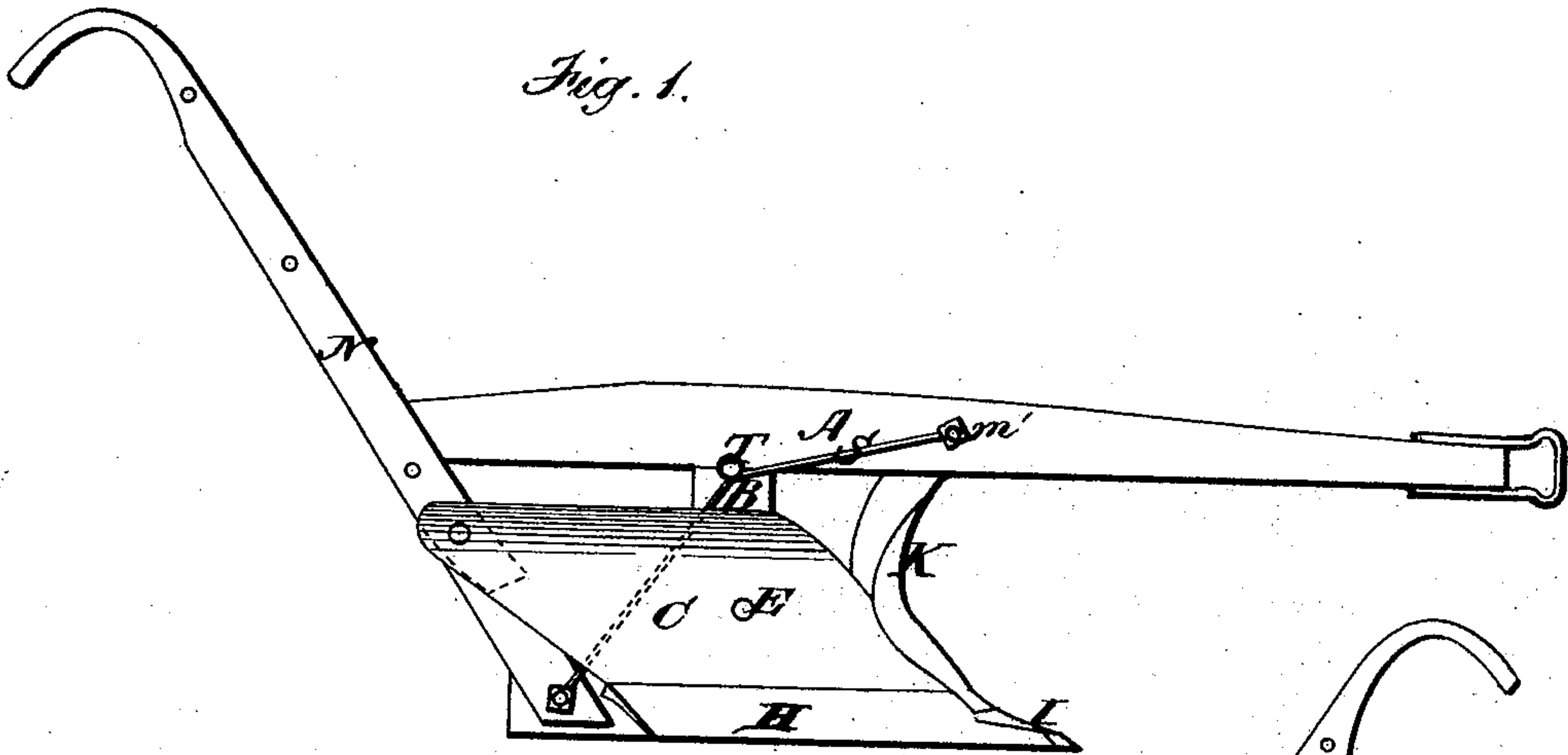


Fig. 2.

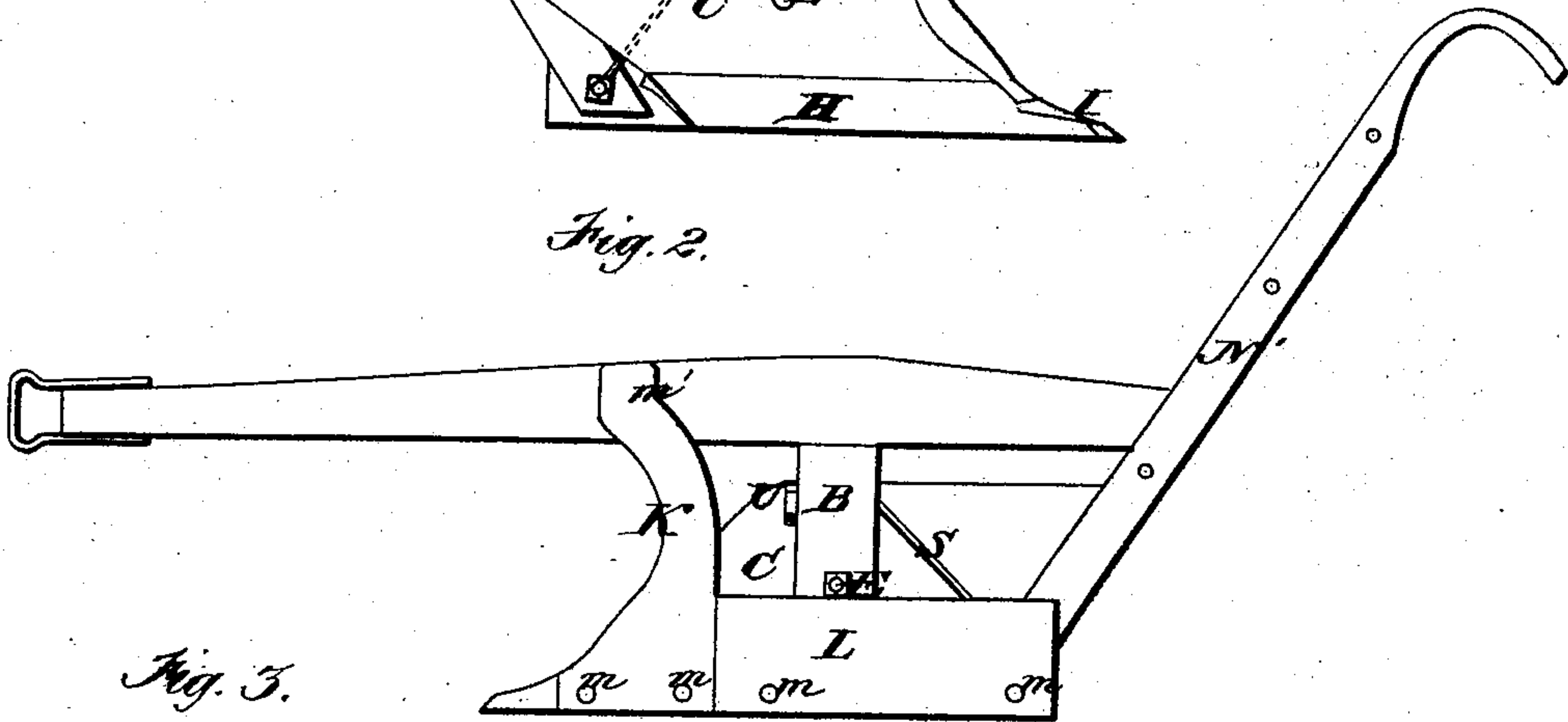


Fig. 3.

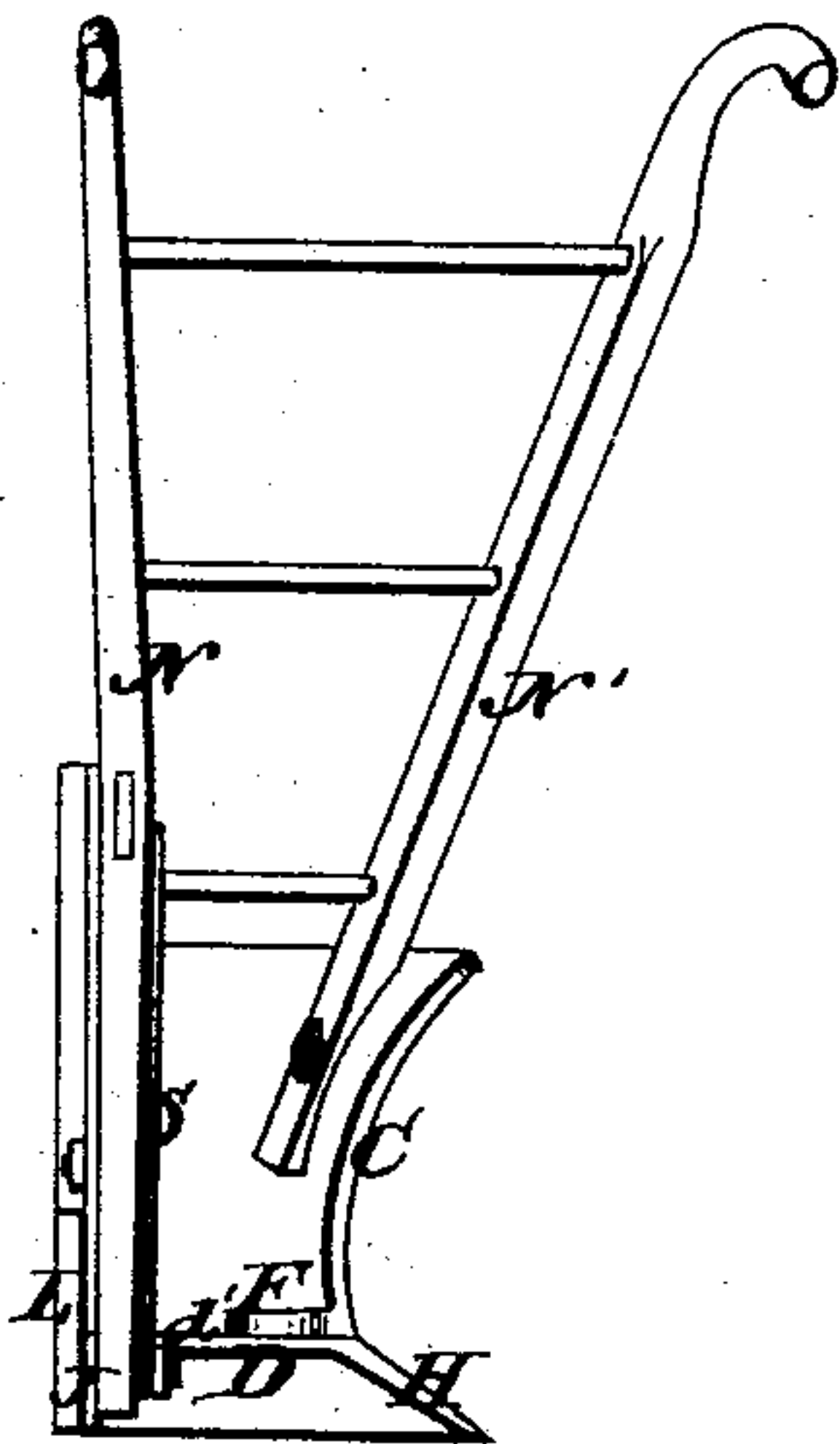


Fig. 4.

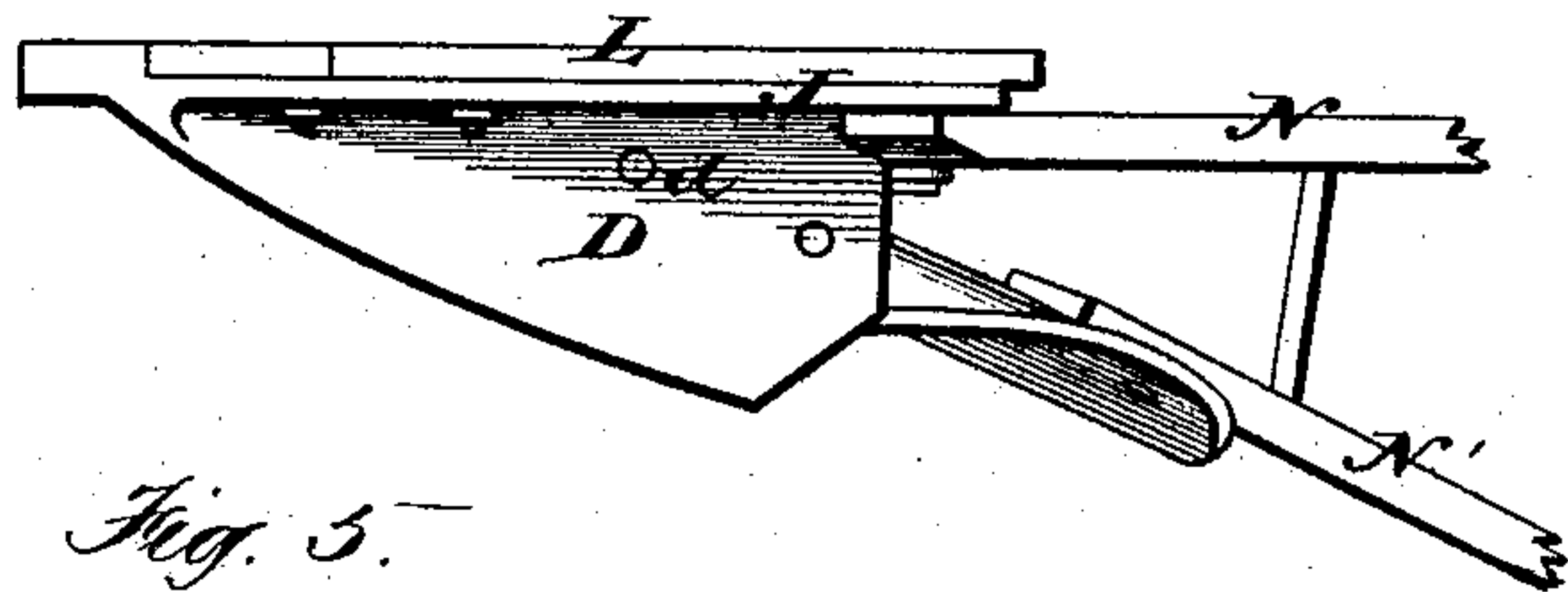
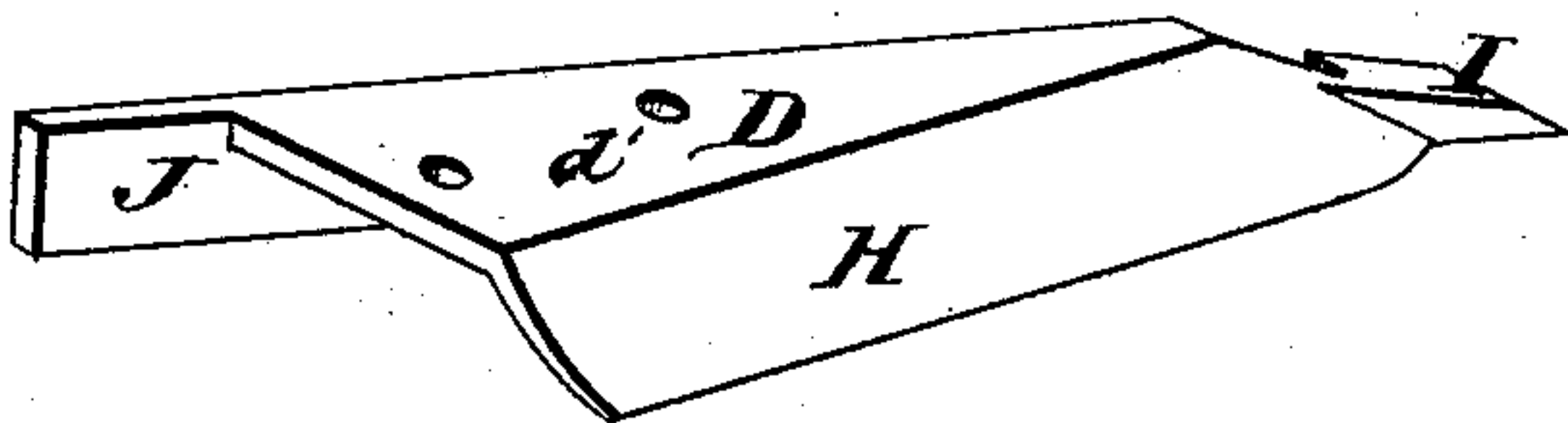


Fig. 5.



Witnesses.

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STEPHEN D. WRIGHT, OF WASHINGTON, INDIANA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **157,057**, dated November 17, 1874; application filed August 11, 1874.

To all whom it may concern:

Be it known that I, STEPHEN D. WRIGHT, of Washington, in the county of Davis and State of Indiana, have invented a new and useful Plow; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation from the mold-board side. Fig. 2 is an elevation from the opposite side. Fig. 3 is a bottom-plan view. Fig. 4 is a rear elevation, and Fig. 5 a perspective view, of the foot-piece of the share detached.

Similar letters of reference in the accompanying drawings denote the same parts.

My invention has for its object to provide for the public a plow which shall be simple, strong, and durable in construction, and in which any of the parts composing it may be readily detached for repairs or removal when worn out. To these ends my invention consists in the peculiar construction of the parts and their attachment to each other, as I will now proceed to describe.

In the drawings, A represents the plow-beam, having a vertical standard, B, attached to its lower side near the rear end, and extending downward sufficiently far to hold the mold-board C and wedge-shaped foot-piece D, which are bolted thereto, as will hereafter appear. The standard B is concave on the side next to the mold-board, its concave surface being beveled from the back edge to the front. The mold-board C is in the form of a section cut longitudinally from a hollow cylinder, its upper and lower edges being parallel, and its convex side fitting the concavity of the standard B, where it is secured by a bolt, E, passing through said standard, the beveled surface of the standard giving the mold-board the necessary diagonal arrangement. The foot-piece D, which constitutes the bottom of the plow, is attached by the bolt *d* to the bottom of the standard B, and has a flat upper surface, *d'*, over the rear end of which projects a horizontal ear or flange, F, from the inner side of the mold-board C, the flange and foot-piece being connected by a bolt. The foot-

piece D has a flange, H, inclined downward and outward along its outer edge, and in the front end of the flange and foot-piece is formed the point or share I. The flange H extends along the lower edge of the mold-board, and forms a continuation of the latter, as shown. The inner side of the foot-piece is provided with a vertical flange, J, projecting downward along its entire length, its lower edge being on the same horizontal line as that of the inclined flange H on the opposite side. K represents the colter, and L the land-side, both being attached to the flange J of the foot-piece by bolts *m*, and the colter at its upper end to the side of the beam A by a bolt, *m'*. The lower edges of the colter and land-side are flush with the lower edge of the flange J, and their outer sides are in line with the share I. The handles N N' are bolted, respectively, to the rear ends of the flange J and mold-board C, the flange J extending backward from the main portion of the foot-piece, as shown in Fig. 1. S represents a stay-rod, extending from the bolt *m'* on the plow-beam to a bolt, T, in the standard B, and from thence to the lower end of the handle N. U represents a lug projecting inward from the mold-board, and bearing against the front edge of the standard B.

The parts are all arranged so that they fit exactly together with no projecting edges.

Any of the parts can be readily removed, as they are all connected by screw-bolts. The lug U of the mold-board holds the latter against longitudinal strain, while the standard B gives great strength to the whole construction.

Having thus described my invention, what I claim is—

The combination of the standard B and mold-board C, having the lugs U F, with the foot-piece D, having the point and share formed thereon, and the vertical flange J, to receive the land-side and colter, substantially as described.

STEPHEN D. WRIGHT.

Witnesses:

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