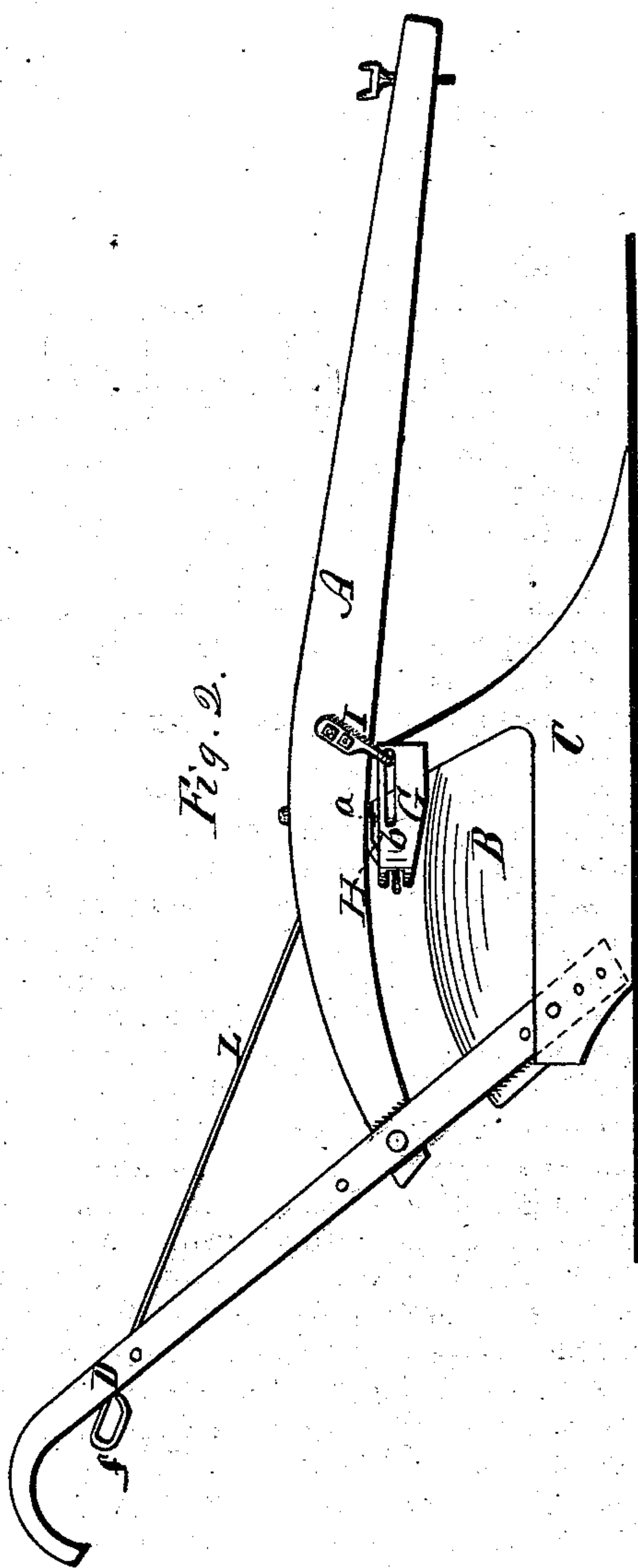
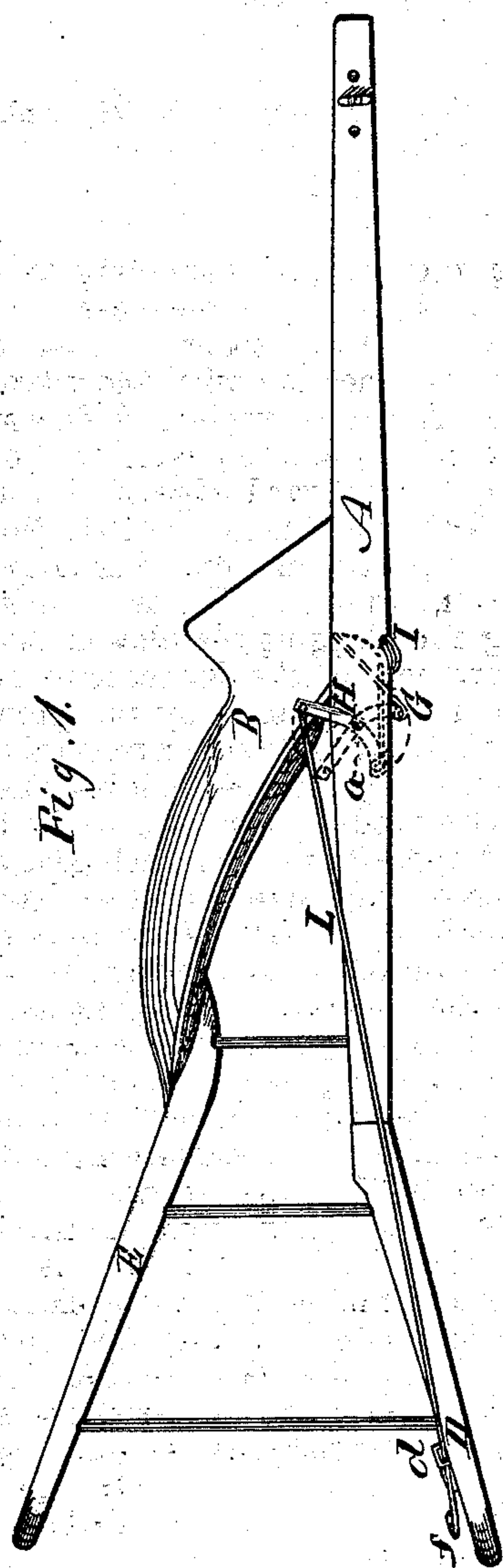


J. J. DEAL & S. HOBBS.

Plow-Clearers.

No. 154,323.

Patented Aug. 25, 1874.



Witnesses,  
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# UNITED STATES PATENT OFFICE.

JOSIAH J. DEAL AND SAMUEL HOBBS, OF WILMOT, OHIO.

## IMPROVEMENT IN PLOW-CLEARERS.

Specification forming part of Letters Patent No. 154,323, dated August 25, 1874; application filed September 5, 1873.

*To all whom it may concern:*

Be it known that we, JOSIAH J. DEAL and SAMUEL HOBBS, of Wilmot, in the county of Stark and State of Ohio, have invented an Improved Plow-Clearer; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a top view of a plow, provided with our improved plow-clearer; Fig. 2, a side view of the same.

Like letters designate corresponding parts in both figures.

The nature of our invention consists in a plow-clearer, constructed as herein described, which when at rest occupies a position under and nearly parallel with the plow-beam, and which has an oblique forward and transverse movement under the beam, over the mold-board, the said movement being produced by means of a connecting-rod extending back to one of the plow-handles, in a convenient position to be drawn by the hand of the plow-holder, all substantially as herein specified.

In the drawings, let A represent the beam; B, the mold-board; C, the land-side and standard; and D E, the handles of a plow. The plow-clearer G is a simple steel or iron blade, situated vertically edgewise beneath the plow-beam A, or to the land-side thereof, and by the side of the plow-standard, or just back of the forward edge of the mold-board B. Its rear end is pivoted to a horizontally-swinging lever, H, which turns on a pivot, *a*, beneath the plow-beam. The forward end of the clearer is guided by means of a stationary guide-finger, I, attached to the beam A, substantially as

represented, and extending through a longitudinal slot, *b*, in the clearer G. The movement of the clearer G, resulting from the pivot-connection with the vibratory lever H and the fixed guide I, is forward and transversely, or laterally, beneath the beam A, just over the forward edge of the mold-board, as indicated by heavy dotted lines in Fig. 1, thereby throwing out over the mold-board all accumulations which are continually collecting and clogging the plow at that point. This movement of the clearer is to be repeated as often as necessary by the plow-holder. To enable him to do so conveniently, and without interfering with his holding the plow, a connecting-rod, L, is jointed to the lever H at the end opposite to the attachment of the clearer thereto, and extends thence backward to the handle D, where it slides in a guide, *d*. The rear end of the connecting-rod terminates in a handle or loop, *f*, as represented, so that the plow-holder can readily seize and draw upon the rod, or push it forward, as occasion requires, to move the clearer G; or the forward movement of the connecting-rod may be produced by a counter-spring.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of the slotted clearer G, having both a sliding and swinging movement, the pivoted vibratory lever H, fixed pivot-guide I, and operating-rod L, in the manner and for the purpose herein specified.

JOSIAH J. DEAL.  
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Witnesses:

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