

R. C. BUCKLEY & D. G. HARMS.

Plows.

No. 156,331.

Patented Oct. 27, 1874.

Fig. 1.

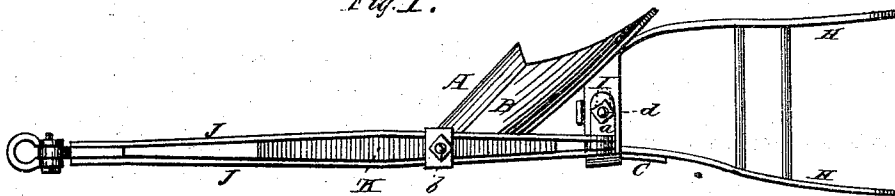


Fig. 2.

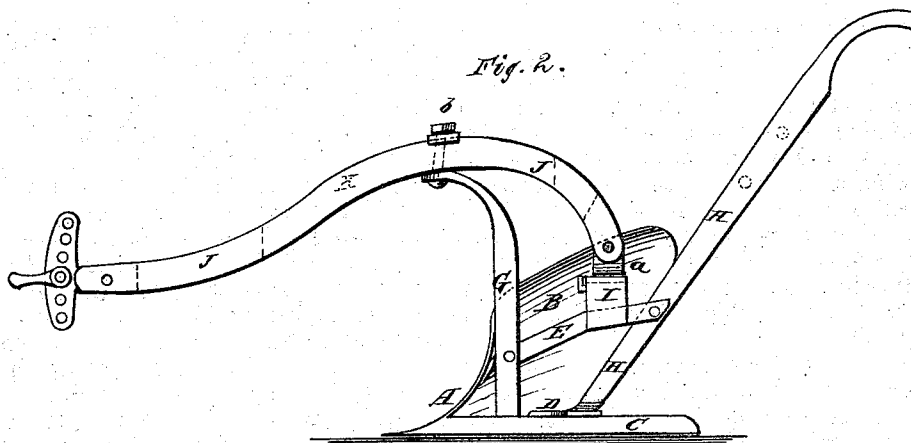
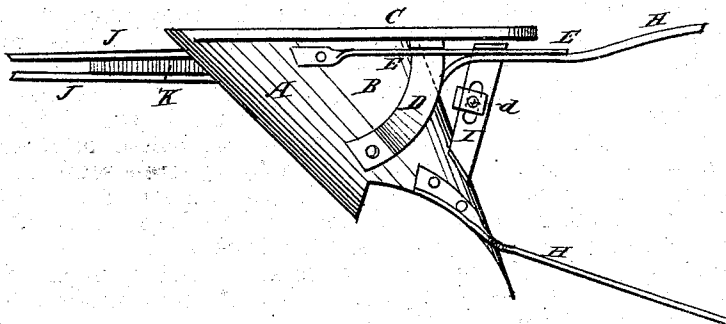


Fig. 3.



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UNITED STATES PATENT OFFICE.

ROBERT C. BUCKLEY AND DANIEL G. HARMS, OF PEORIA, ILLINOIS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **156,331**, dated October 27, 1874; application filed September 11, 1874.

To all whom it may concern:

Be it known that we, ROBERT C. BUCKLEY and DANIEL G. HARMS, of Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Plows; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification:

The nature of our invention consists in the construction of the plow-beam, and in the devices for connecting the beam, handles, and plow, as will be hereinafter more fully set forth in the accompanying drawing, in which—

Figure 1 is a plan view. Fig. 2 is a side elevation, and Fig. 3 is a bottom view of a device embodying our invention.

A represents the plowshare; B, the mold-board; C, the land-side; and D, the cross-brace, constructed in any of the well-known and usual ways. E is a brace connecting the share A and mold-board B, and by being bolted to the upright G it also connects the land-side to the share and mold-board. This brace E extends back of said upright far enough to bolt to the handle H. To the cross-brace D is then riveted a suitable lug, to which the lower end of the handle H is riveted, thus leaving the handle entirely disconnected from the plow-beam. I is a platform-brace extending from the top part of the brace E to the top part of the mold-board B, and bolted or otherwise firmly secured to both. The upright G, which is attached to the land-side C, curves forward above the brace E until it comes on a line with the plow-beam when in position. The plow-beam is constructed of

two metal bars, J J, which may be of iron or steel, flat or angle iron, and curved in proper shape. Between these two metal bars is inserted a piece of wood, K, of the same shape, and the whole fastened securely together by rivets or bolts. Between the rear ends of the metal bars J is riveted a plate, *a*, which is bent at right angles or otherwise, so as to fit on the platform-brace I when the plow-beam J K is in position. The upright G and the plow-beam are united by a bolt, *b*, so that the beam will be free to turn right or left on said bolt when not otherwise fastened. The plate *a* is fastened to the brace I by a bolt, *d*, passing through a hole in the plate, and through a longitudinal slot in the brace. By this means the rear end of the plow-beam may be secured at any point desired to take more or less land, as required, and by having the adjoining surfaces of the plate *a* and brace I toothed or serrated, or by attaching toothed or serrated plates to them, the beam is held firmly in position.

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

1. The within-described plow-beam, consisting of the metal bars J J and intermediate wooden bar K, bolted or riveted together, substantially as herein set forth.

2. The combination of the upright G, brace E, and platform-brace I, as and for the purposes herein set forth.

In testimony that we claim the foregoing as our own we affix my signatures in presence of two witnesses.

ROBERT C. BUCKLEY.
DANIEL G. HARMS.

Witnesses:

J. B. SWENEY,
C. W. BUCKLEY.