

T. E. C. BRINLY.

Plows.

No. 140,004.

Patented June 17, 1873.

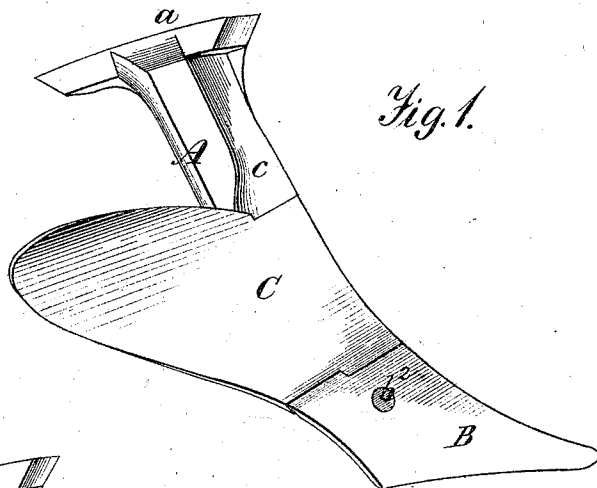


Fig. 1.

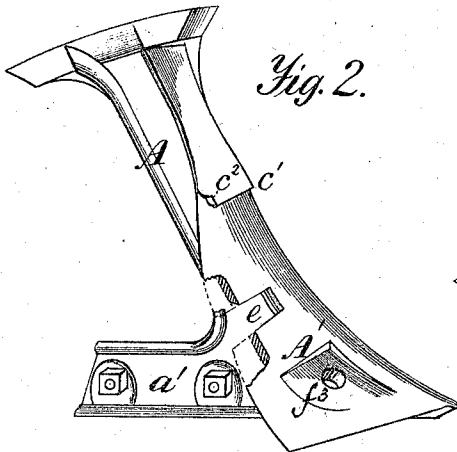


Fig. 2.

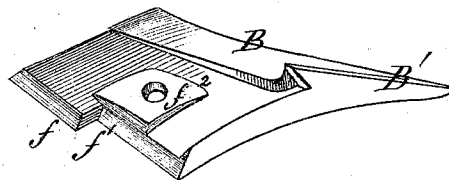


Fig. 3.

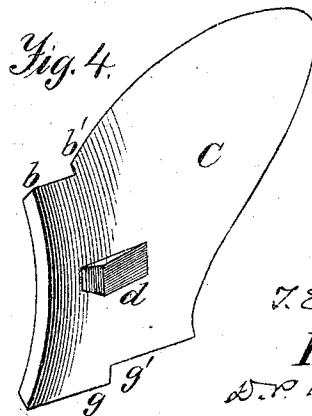


Fig. 4.

Witnesses.
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THOMAS E. C. BRINLY, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **140,004**, dated June 17, 1873; application filed April 7, 1873.

To all whom it may concern:

Be it known that I, THOMAS E. C. BRINLY, of Louisville, in the county of Jefferson and State of Kentucky, have invented a certain Improvement in Plows, of which the following is a specification:

The nature of my invention consists in certain novel means for so combining the mold-board of a plow with the standard and the share that it will be held firmly in place without the use of bolts or clamps of any description.

Figure 1 is a perspective view of the standard, share, and mold-board of a plow, constructed according to my invention. Fig. 2 is a perspective view of the standard detached. Fig. 3 illustrates in perspective the back side of the share. Fig. 4 illustrates in perspective the rear side of the mold-board.

The same letters of reference are used in all the figures in the designation of identical parts.

The standard A, made preferably of cast-iron, is constructed with the usual head *a*, for securing it to the plow-beam; the heel *a'*, for attachment upon its outer side of the steel land-side; and the curved obliquely-projecting flange A', forming a bearing for the share B, and the mold-board C. At the upper end of the flange A', a lug or projection *c* is formed, the lower sharply-defined edge *c'* of which is beveled, and has an offset at *c²*, as clearly shown in Fig. 2. The mold-board has a beveled edge at *b*, and an offset at *b'*, snugly fitting under and against the projection *c* of the standard, as seen in Fig. 1. A dovetailed slot, *e*, is formed in the outer side of the flange A', at a point about midway of the mold-board, upon the back of which is

made a corresponding dovetailed lug, *d*, which enters the slot *e*, and together with the offset *b'*, bearing against the offset *c²*, prevents the mold-board from being moved horizontally beyond the land-side edge of the standard. The adjoining edges of the share and mold-board are defined by angular lines, as at *f* and *g*, and are beveled so that the share will lap over the mold-board at their junction. The offset *f'*, in the angular edge of the share faces the standard, and the offset *g'*, of the mold-board hooking behind it, prevents the horizontal movement of the latter away from the land-side. The share is provided with the usual point B', which hooks onto the toe of the standard, and is fastened by a single bolt, *b²*, to the flange A'. A boss, *f²*, is also formed upon the under side of the share, which fits into a corresponding recess in the flange A', of the standard, and steadies the share.

In connecting the parts described together, the mold-board must first be slipped into place on the standard, after which the share is attached, which holds all the parts rigidly together.

What I claim as my invention, and desire to secure by Letters Patent, is—

The mold-board C *b b' g g' d*, in combination with the standard A *c c¹ c² e f³*, and the share B *f f¹ f²*, and bolt *b²*, all constructed and arranged substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

T. E. C. BRINLY.

Witnesses:

JAMES M. WELLS,
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