

C. E. HUNTER.
Plow.

No. 205,552.

Patented July 2, 1878.

Fig. 1.

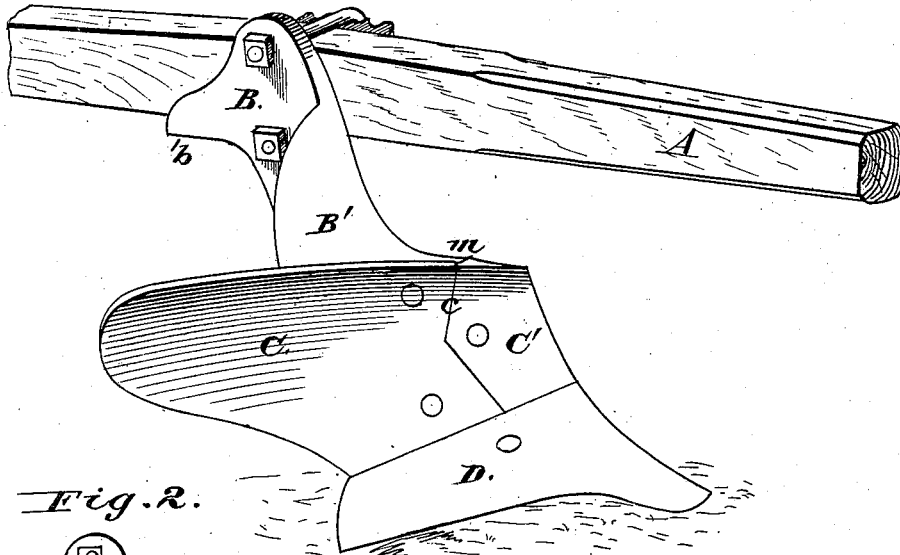


Fig. 2.

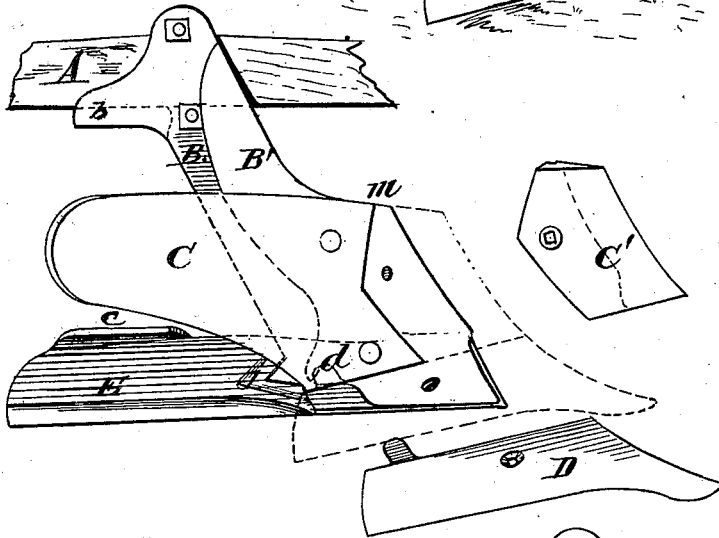


Fig. 3.

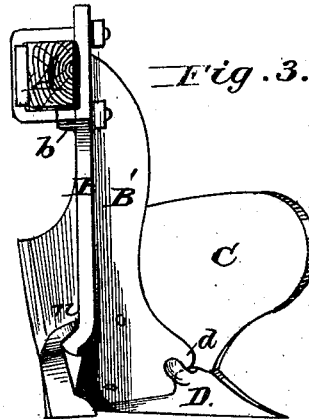
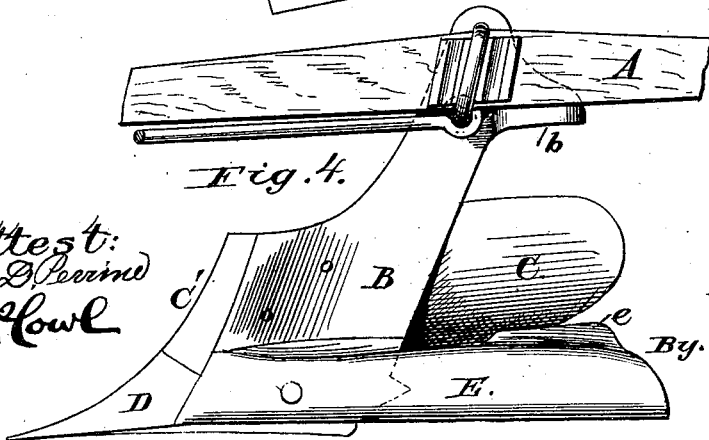


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES E. HUNTER, OF FREDERICKSBURG, VIRGINIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **205,552**, dated July 2, 1878; application filed October 22, 1877.

To all whom it may concern:

Be it known that I, CHARLES E. HUNTER, of Fredericksburg, Spottsylvania county, Virginia, have invented an Improvement in Plows; and I do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my plow complete. Fig. 2 is a side view with the share or point and the cutting-front of the mold-board detached. Fig. 3 is a rear view, and Fig. 4 a side view.

My invention relates to the construction of a plow; and it consists in casting the parts in pieces of the shape and configuration herein-after described, especially the standard, to which all the other pieces are secured by bolts, forming a light, durable, and easy draft-plow.

In the drawings, A represents the beam of a plow, to which the standard B is secured by a cuff and wear-iron. The standard B consists of the backwardly-inclined arm *b*, extending against the side of the beam, and a lip, *b'*, extending under the beam to support it.

Upon the standard B is the flange *B'*, extending nearly to the bottom of the plow, and near the bottom is a projecting point, *d*, into which the share D is locked. The front edge of the standard B is curved forward horizontally some distance below the beam, even with the top of the mold-board, as at *m*, when it again descends in a slight curve, similar to the first, nearly to the bottom of the plow. The front edge of the standard is intended to be a uniform curve, except as it diverges to accommodate the under inclination of the land-side, and is intended to support the land-side *C'* and share D. Upon the rear of the standard B is another projecting point, *f*, which catches into a similar dovetail in the land-side.

The mold-board C and *C'* is cast in two pieces, joined together by the angular line *c*. Each piece is separately bolted to the standard B, a slight shoulder fitting over its front edge.

The share D, with a similar shoulder, is

bolted to the standard B, and near its middle locks into the point *f*.

Near the rear of the land-side is a flange, *e*, simply for a support for the handle of the plow. (Not shown.)

In the configuration of the plow, as a whole, the extreme point of the share and the extreme rear of the land-side are lower than the point where these parts join, making a suction in the draft, by which the friction is lessened and the draft of the plow lessened and steadied. A similar suction is made on the land-side for a similar purpose.

An advantage of my invention is, that the draft is in line with the center of the resistance.

It will be observed in Fig. 3 that the standard B is perpendicular from the top of the land-side to the side of the beam, and that a shoulder or sudden curve, *n*, in the standard throws the top of land-side outward, and that the point and cutting-edge of the mold-board are in line with or outside of the beam, making the draft central and steady.

Having thus fully described my invention, what I claim is—

1. The standard B of a plow, having the curve *n*, horizontal projection *m*, flange *B'*, and point *d* upon said flange, as and for the purpose set forth.

2. The standard B, as described, having the flange *B'* and the projection *m*, curved toward the land-side, to form a face for the mold-board, in combination with the mold-board, cast in two pieces, C and *C'*, said parts being united by an angular joint, and secured directly to the standard by bolts, substantially as described.

3. The standard B, provided with a perpendicular part and curve, *n*, in combination with the under inclined land-side E, substantially as described.

The above specification of my said invention signed and witnessed, at Fredericksburg, this 15th day of October, A. D. 1877.

CHARLES E. HUNTER.

Witnesses:

L. C. FROST,
W. L. BURRASS.