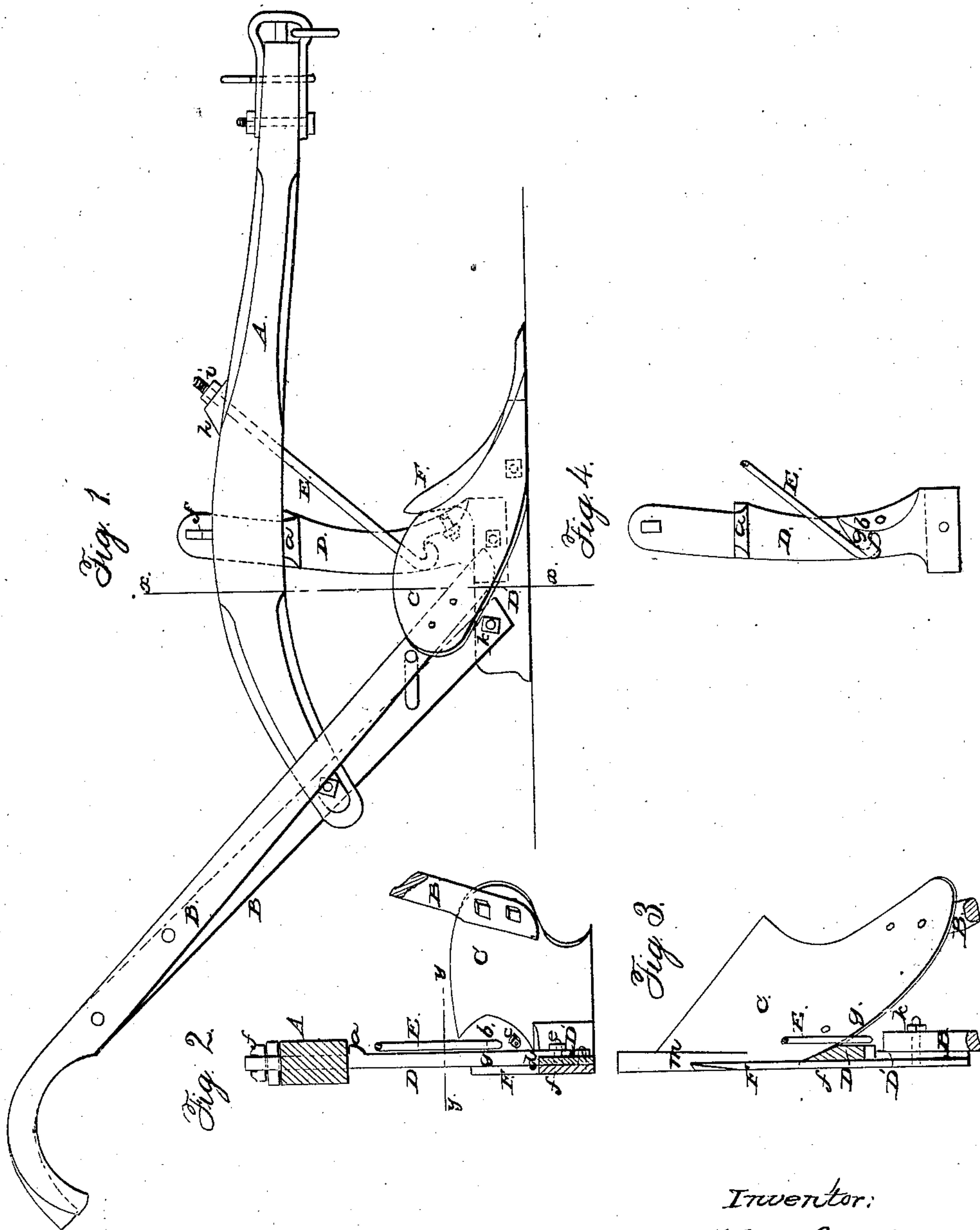


T. E. C. BRINLY.

Plow.

No. 29,858.

Patented Sept 4, 1860.



Witnesses.
J. W. Combs
R. S. Spencer

Inventor:
T. E. C. Brinly
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UNITED STATES PATENT OFFICE.

T. E. C. BRINLY, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 29,858, dated September 4, 1860.

To all whom it may concern:

Be it known that I, T. E. C. BRINLY, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, a transverse vertical section of same, taken on line *x x*, Fig. 1; Fig. 3, a horizontal section of same, taken in the line *y y*, Fig. 2; Fig. 4, a detached inner-side view of the standard.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in a novel and improved way of attaching the standard of the plow to the mold-board and landside, as hereinafter fully shown and described, whereby a very firm and durable attachment is obtained, and one that will admit of the standard being readily detached, if broken, and a new one adjusted in its place.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the beam of the plow, and B B the handles.

C is the mold-board, and D' the landside, a handle, B, being attached to each, as usual.

D is the standard, which may be of the usual form or shape, but having at its inner side a ledge or projection, *a*, which forms a rest or bearing for the beam A, as shown in Figs. 1 and 2. At the inner side of its standard there is also a lip or projection, *b*, which has a curved or concave front surface corresponding to the curvature of the back side of the mold-board C. This curvature of the projection *b* is shown clearly in Fig. 4, and the projection is secured to the mold-board by a screw-bolt, *c*. The outer side of the standard has a shoulder, *d*, which is formed by a recess at its lower part, as shown clearly in Fig. 2. This shoulder rests on the upper edge of the landside D', and a bolt, *e*, passes through the lower part of the standard and landside. The upper end of the standard passes through the beam, and a key, *f*, passes

through the standard above the beam. The upper end of the lip or projection *b* projects over backward in curved form, as shown at *g*, and the lower end of a rod, E, catches over it, the upper end of said rod passing through the beam A and a metal head, *h*, thereon, and has a nut, *i*, on it. The rod E serves as a brace for the standard, the rod being strained perfectly taut by screwing up the nut *i*. By having the lower end of the rod E hooked over the lip or projection *b* it will be seen that the standard is not weakened, as has hitherto been the case by holes formed in it to receive the brace, and by having the standard provided with the ledge or projection *a* and shoulder *h*, and the projection *b* secured to the mold-board, as described, a very firm and substantial plow is obtained.

F is the cutter, which projects up in front of the landside D'. This cutter is attached to or formed on a plate, *j*, which is of the same form as the landside, and is fitted snugly to it and secured thereto by bolts *e k l*, the former of which, *e*, secures the lower end of the standard to the landside, and the bolt *k* secures one of the handles to the landside. The front end of the plate *j* is fitted to the landside by a dovetail joint, *m*, as shown clearly in Fig. 3. This dovetail joint firmly secures the front end of plate *j* to the landside.

The cutter and plate *j* may be made of steel, and by being thus arranged and secured to the landside add greatly to the durability of the plow.

The mold-board may be of steel; but the standard D, in consequence of being constructed and arranged as shown, may be of cast-iron.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The arrangement on the standard D and beam A of the ledges *a b* and shoulder *h*, to admit of the attaching of the standard to the landside, mold-board, and beam, as shown, in connection with the brace or rod E, applied substantially as and for the purpose set forth.

T. E. C. BRINLY.

Witnesses:

PETER VANCE,
ALLEN MATHES.