

Odell & Little,

Flow.

No. 109,929.

Patented Dec. 6. 1870.

Fig. 1

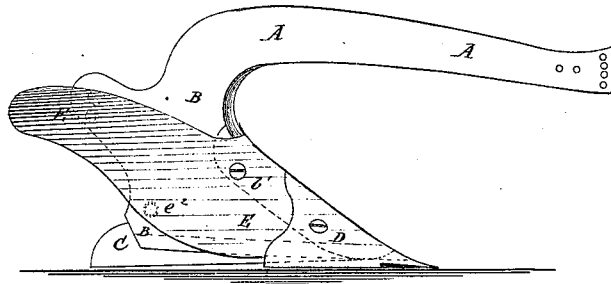


Fig. 2

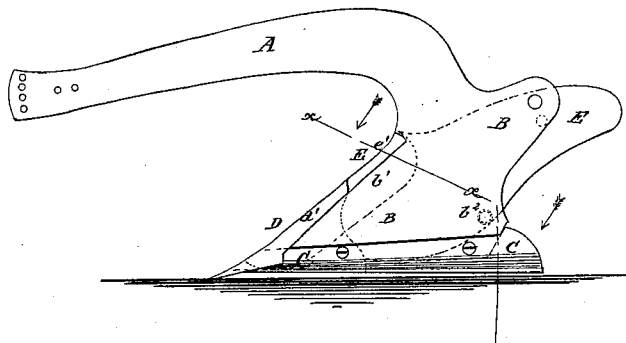
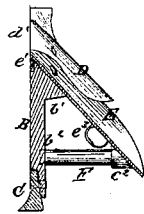


Fig. 3



Witnesses,
A. W. Almqvist
L. J. Moabur

Inventor:
J. R. Odell
W. S. Little
per *mm* S. H.
Attorneys

UNITED STATES PATENT OFFICE.

JOHN K. ODELL AND WILLIAM S. LITTLE, OF DECKERTOWN, NEW JERSEY,
ASSIGNORS TO G. W. COE, OF SAME PLACE.

IMPROVEMENT IN CAST-IRON PLOWS.

Specification forming part of Letters Patent No. **109,929**, dated December 6, 1870.

To all whom it may concern:

Be it known that we, JOHN K. ODELL and WILLIAM S. LITTLE, of Deckertown, in the county of Sussex and State of New Jersey, have invented a new and useful Improvement in Cast-Iron Plow; 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 make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a detail view of the mold-board side of our improved plow. Fig. 2 is a detail view of the land-side side of the same. Fig. 3 is a detail sectional view of the same, taken through the line *x x*, Fig. 2, looking in the direction of the arrows.

Similar letters of reference indicate corresponding parts.

Our invention has for its object to improve the construction of cast-iron plows, so as to make them simpler in construction, stronger, and better in operation, and more convenient in manufacture than when made in the ordinary manner; and it consists in the construction and combination of various parts of the plow, as hereinafter more fully described.

A is the beam, and B is the standard, of the plow, which are cast solid in one piece. C is the land-side of the plow, which is fitted into a recess along the lower edge of the standard-plate, and secured in place by bolts, so that it may be conveniently detached when worn and replaced with a new one.

Upon the mold-board side of the curved forward edge of the standard-plate B is cast a shoulder or flange, *b*¹, to receive and support the share D and mold-board E, which are secured in place by bolts passing through them and through the said flange or shoulder *b*¹.

Upon the forward edge of the share D and mold-board E is formed a flange, *d*¹ and *e*¹,

which fits into a groove, rabbet, or recess formed along the land-side side of the curved forward edge of the standard-plate B to receive the said flange, as shown in Figs. 2 and 3.

The rear parts of the mold-board E and standard-plate B are held in proper position and supported against the inward pressure of the soil by the brace-bar F, the ends of which fit into sockets *b*² *e*², cast in or upon the inner surfaces of the said parts, as shown in Fig. 3.

The lower ends of the plow-handle are inserted in sockets *e*³, cast upon the inner sides of the mold-board E or standard-plate B, either or both, as shown in Fig. 3. The handles pass up along and rest squarely against the inner surfaces of the mold-board E and standard-plate B, where they are secured in place by bolts, as indicated by the holes in the upper rear parts of said pieces.

In the forward end of the plow-beam A is formed a series of holes to receive the bolts of the clevis and the bolt of the standard of the gage-wheel, the rear hole and the row of forward holes being designed to receive the clevis-bolts, so that the forward end of the clevis may be raised or lowered to adjust the elevation of the point of draft attachment to regulate the depth at which the plow works in the ground.

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

The one-piece cast-iron beam and standard A B, having flanges *b* *b*¹ *d*¹ *e*¹ and sockets *b*², combined with brace F, mold-board E, share D C², and land-side C, as and for the purpose described.

The above specification of our invention signed by us this 13th day of July, 1870.

JOHN K. ODELL.

WILLIAM S. LITTLE.

Witnesses:

WILLIAM W. COX,

HUMPHREY MARTIN, Jr.