J. FINNEGAN.

Plow.

No. 197,623. Patented Nov. 27, 1877.

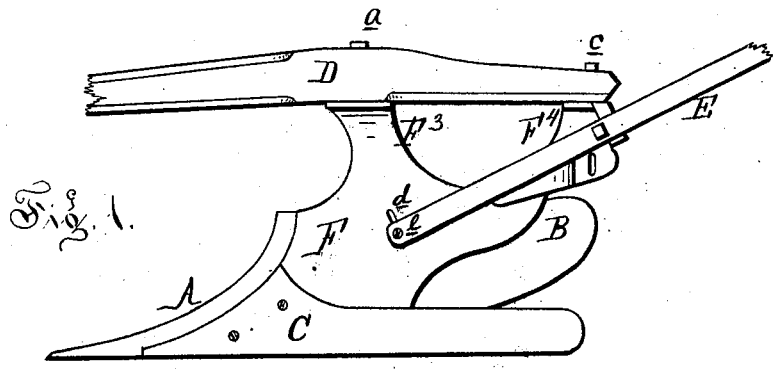

Fig. 1.

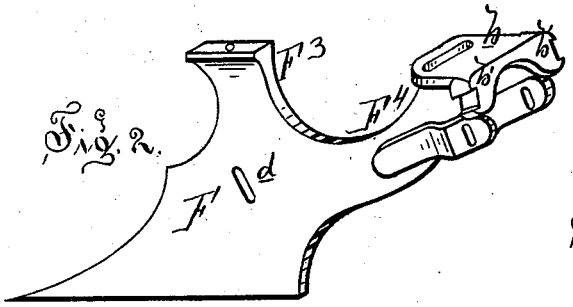

Fig. 2.

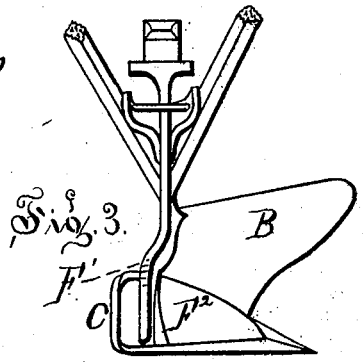

Fig. 3.

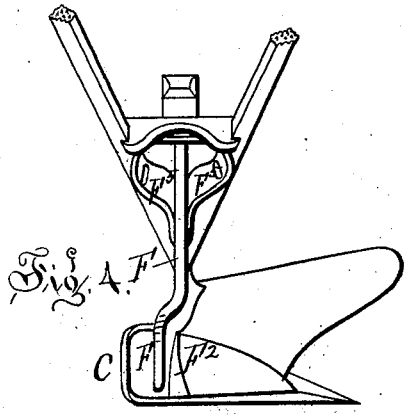

Fig. 4.

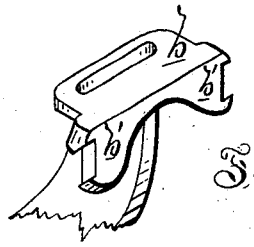

Fig. 5.

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UNITED STATES PATENT OFFICE.

JOHN FINNEGAN, OF ANN ARBOR, MICHIGAN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **197,623**, dated November 27, 1877; application filed September 1, 1877.

To all whom it may concern:

Be it known that I, JOHN FINNEGAN, of Ann Arbor, in the county of Washtenaw and State of Michigan, have invented an Improvement in Plows, of which the following is a specification:

The object I have in view is to so construct and form a standard-plate for a center-draft plow that it will form a support for the point, land-side, mold-board, beam, and handles, and on which the beam and handles may be adjusted; and it consists in the peculiar means for adjustably attaching the handles to the standard-plate.

Figure 1 is a side elevation of the plow, looking from "land." Fig. 2 is a detached perspective view of the standard-plate. Fig. 3 is a rear elevation of the plow without the angle-block. Fig. 4 is a similar elevation with the angle-block. Fig. 5 is a perspective view of the angle-block.

In the drawings, A represents the point, B the mold-board, C the land-side, D the beam, and E the handle, of a center-draft plow. F is a cast plate, whose foot F^1 is curved outwardly to receive and support the land-side. The foot is cast with a wing, F^2, which supports the point, and also the toe of the mold-board. The front edge is beveled to support the top of the mold-board, which, with the point and land-side, is secured in position by the usual bolts. An upward extension, F^3, at the front forms a support for the beam, which is pivoted thereto by a bolt, *a*. A rearward and upward extension, F^4, supports the tail end of the beam, which is laterally adjustable on an angle-plate, *b*, cast therewith, and provided with a segment-slot, through which the adjusting-bolt *c* passes. This plate may be cast with a pendent angle, *b'*, with notches at the sides to receive the handles, which are secured by a transverse tie-bolt, in which case their pitch may be adjusted through a segment-slot, *d*, in the plate F, through which passes the bolt *e*, which secures the front ends of said handles to the sides of said plate. I prefer, however, to omit the pendent angle *b'*, and in lieu thereof to cast a wing, F^5, on each side of the extension F^4, with a slot in each, through which the tie-bolt may pass, and to adjust the pitch of the handles at that point.

By referring to Figs. 3 and 4 it will be seen that the body of the plate F is curved toward the mold-board at the top of the land-side, bringing it directly into the center line of draft, as well as clearing it from the land of the furrow in deep plowing.

The drawings, being made from the model, show my improvement attached to a center-draft plow. I do not desire to confine myself to any particular kind of plow; but

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

The standard-plate F, cast with the angle-plate *b* and wings F^5 F^5, substantially as and for the purpose set forth.

JOHN FINNEGAN.

Witnesses:

ELI W. MOORE,

H. S. SPRAGUE.