

(Model.)

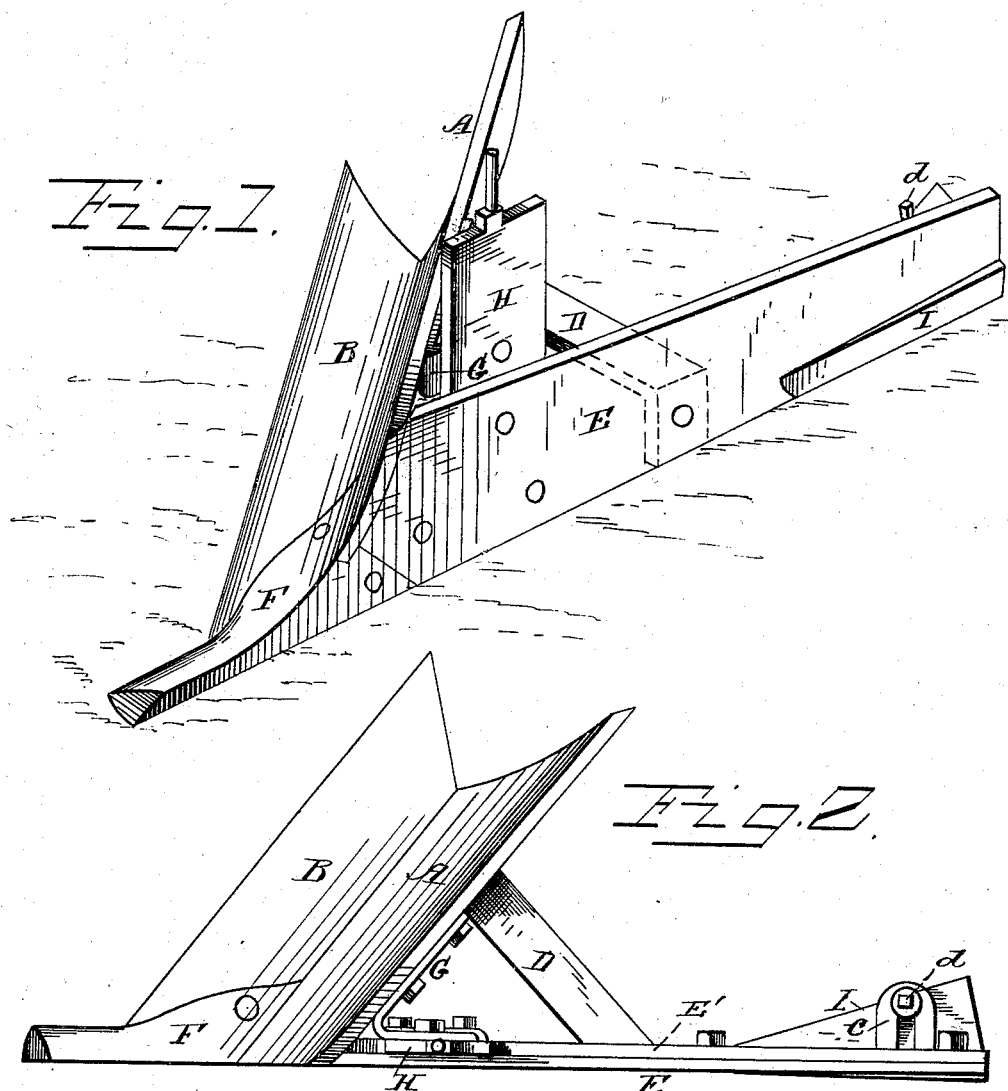
2 Sheets—Sheet 1.

C. HANSON.

PLow.

No. 264,828.

Patented Sept. 19, 1882.



WITNESSES
Frank L. Ourand
L. L. Miller

INVENTOR
Charles Hanson
per Cha. H. Fowler
Attorney

(Model.)

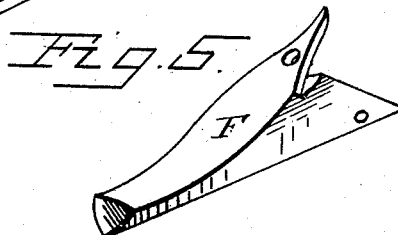
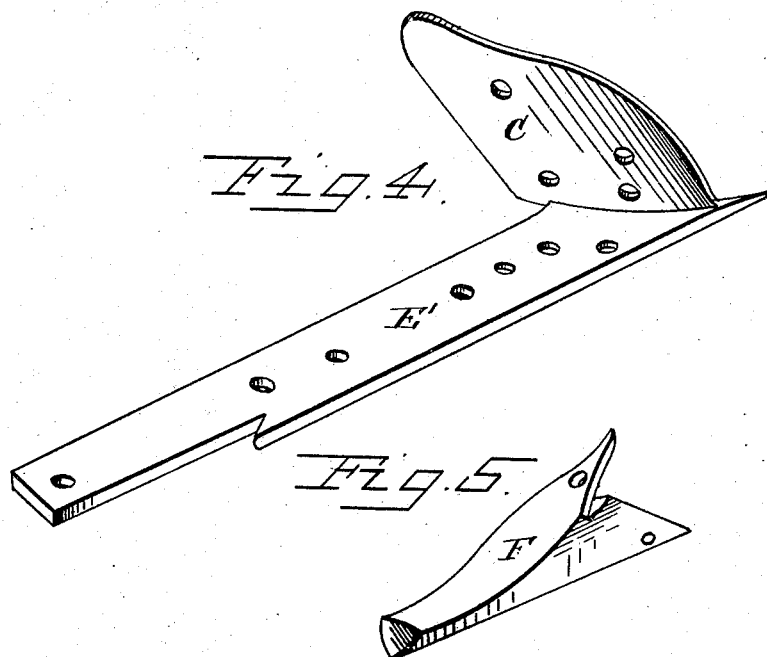
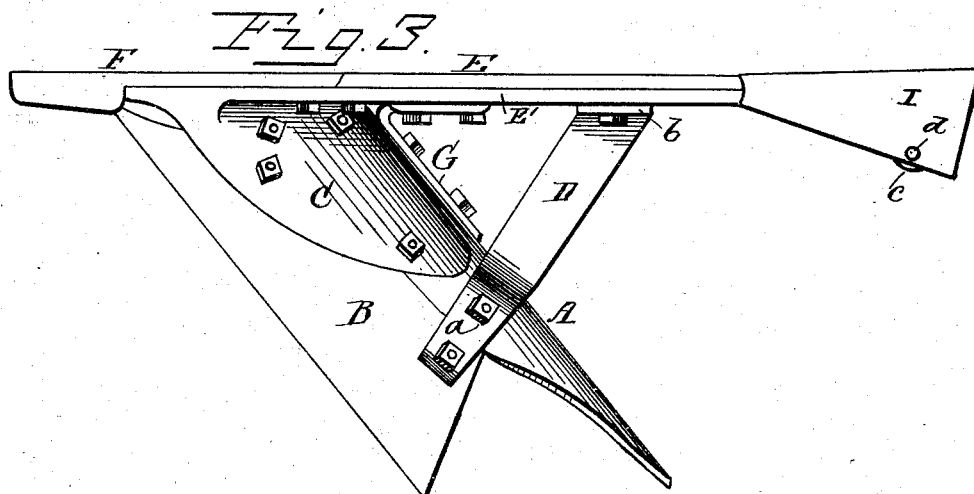
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2 Sheets—Sheet 2.

PLOW.

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per Chat. N. Fowler.
Attorney

UNITED STATES PATENT OFFICE.

CHARLES HANSON, OF ROCK ISLAND, ILLINOIS, ASSIGNOR OF ONE-HALF
TO FREDERICK APPELQUIST, OF SAME PLACE.

PLOW.

SPECIFICATION forming part of Letters Patent No. 264,828, dated September 19, 1882.

Application filed March 27, 1882. (Model.)

To all whom it may concern:

Be it known that I, CHARLES HANSON, a citizen of the United States, residing at Rock Island, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my invention. Fig. 2 is a top plan view of the same; Fig. 3, an under plan view; Fig. 4, a perspective view, in detail, of the landside and frog; and Fig. 5, a similar view of the plow-point.

The present invention has relation to certain new and useful improvements in plows, which will be hereinafter described, and subsequently pointed out in the claims.

In the accompanying drawings, A represents the mold-board of the plow, and B the share, both of which are bolted to a frog, C, as shown in Fig. 3; also to the curved end *a* of a brace, D. The end *a* of the brace D is curved to such degree as to conform to the curvature of the mold-board and share at the point of attachment, and the opposite end of said brace has a right-angle flange, *b*, for bolting it to the landside-plate E'. This landside-plate and the frog C are cast or otherwise formed together, and have bolted to them a plow-point, F, which covers the frog and joins the share B at its inner edge or extremity. The upper portion of the mold-board A is bolted to an angle-bar, G, which is in turn bolted to a standard, H, said standard being bolted to the landside-plate E'.

Projecting horizontally from the inner side of the landside-plate E' is a slotted plate, *c*, through which passes a bolt, *d*, its screw-threaded end entering a screw-threaded hole in a base-plate, I. This construction enables the landside to give and take land as required, and the manner of connecting the mold-board

and share by the angle-bar G, brace D, and frog C to the landside-plate forms a very strong, rigid, and durable fastening, rendering the parts less liable to injury by continued use of the plow or by the strain thereon from plowing.

The frog C, it should be understood, is welded to the landside-plate E', or cast with it, and consequently it is not necessary to bend the frog at an acute angle to form a vertical and lateral side to enable it to be bolted to the landside-plate. This forms not only a more rigid connection between the frog and landside-plate without danger of working loose, but presents a much stronger support for the mold-board and share.

The entire plow, constructed in accordance with my invention, possesses great superiority of strength and durability without increasing the cost of manufacture, the several parts being either made of malleable iron, wrought-iron, or cast-steel.

It should further be noticed that the point F is formed separately and afterward bolted to the landside-plate and frog, and can be replaced by another when required.

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

1. In a plow, the landside-plate E', formed in one piece with the frog C, and the standard H, in combination with the mold-board A, share B, and recessed point F, formed to interlock the share and landside E, substantially as and for the purpose set forth.

2. In a plow, the combination, with the landside thereof, having the slotted plate *c*, of the vibrating base-plate I and screw-bolt *d*, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES HANSON.

Witnesses:

SAMUEL F. COOKE,
FRED. APPELQUIST.