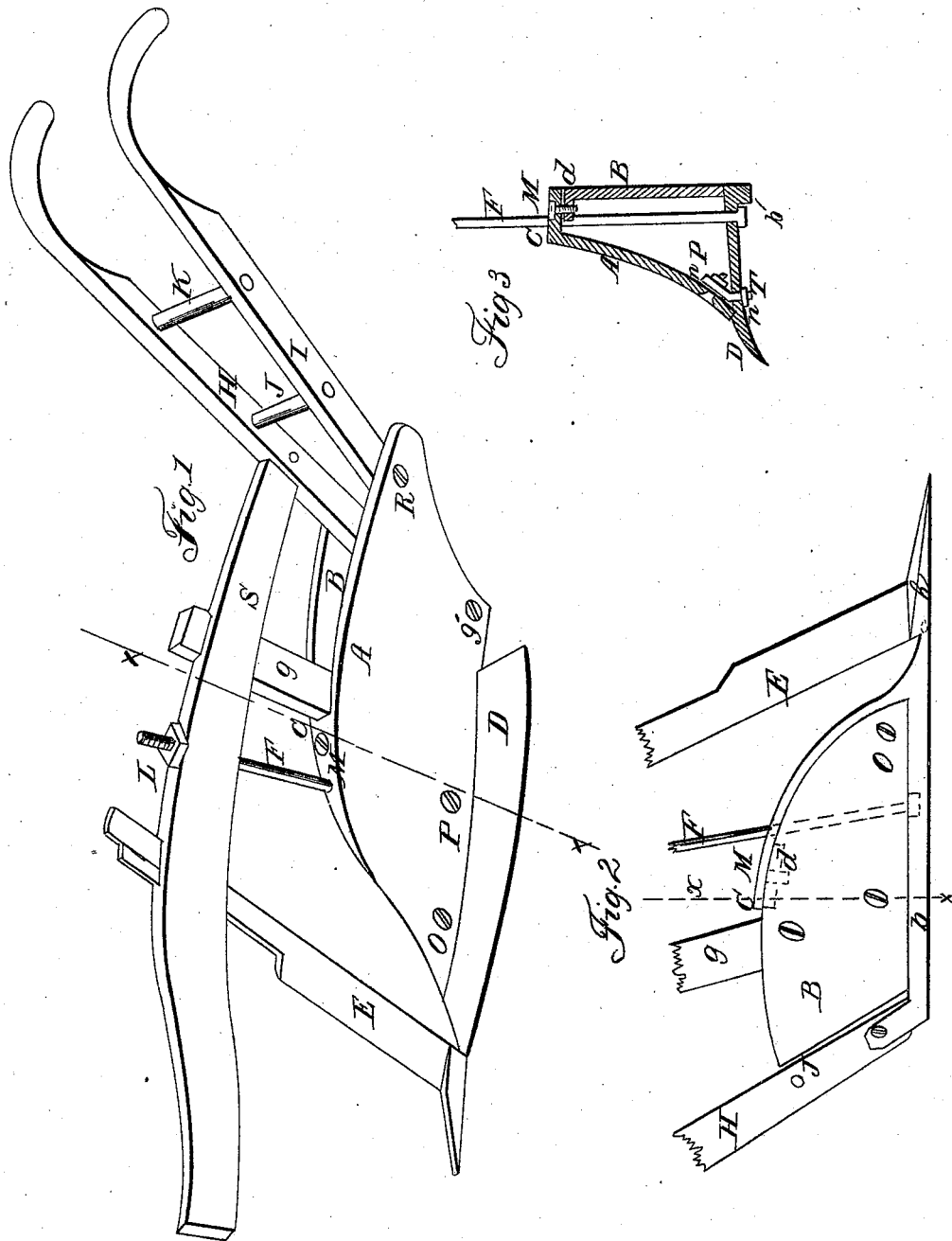


E. ALBERT.

Plow.

No. 4,995.

Patented Mar. 6, 1847.



UNITED STATES PATENT OFFICE.

EMANUEL ALBERT, OF EAST GERMANTOWN, INDIANA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 4,995, dated March 6, 1847.

To all whom it may concern:

Be it known that I, EMANUEL ALBERT, of East Germantown, in the county of Wayne and State of Indiana, have invented a new and Improved Plow; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in the arrangements to have at the upper part of the mold-board and guard-plate, cast solid with the same, flanges in right angle, the one to the right, the other to the left, in a manner that when the mold-board and guard-plate are fitted together the flange of the one to be covered by the flange of the other, and permanently fastened together by a screw-bolt.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the Albert furrow-guard plow; Fig. 2, a side view from the landside, and Fig. 3 a cross-section through the line *x x* in Figs. 1 and 2.

In Fig. 1, A represents the mold-board, which is made of cast-iron; B, a part (visible) of the guard-plate on the landside, which is also of cast-iron. C represents the flange, cast solid, with the upper part of the mold-board A running at right angle with the same toward the landside of the plow; D, the share, made of wrought-iron; E, the colter, also of wrought-iron; F, a round iron bolt, with a head at the lower extremity, passing up through the share and up through the beam S, which serves to keep the share to the mold-board A, and is drawn tight by a screw and nut, L; *g*, the sheth or upright, extending from the bar C, to which the share is attached, up through the beam; H, the beam-handle; I, the mold-board handle; J and K, the rods between the handles; O, a rivet that unites the mold-board A

and the guard-plate B; P, a screw-bolt that fastens the mold-board to a bar, *n*, of wrought-iron, that unites with the share D by means of a screw, T, (shown in Fig. 3;) R and *g'*, screw-bolts that fasten the mold-board to the handle I; S, the beam.

Fig. 2 represents the landside of the plow; *b*, the bar, made of wrought-iron, to which the share D is welded, (see Fig. 3;) B, the guard-plate, with a flange, *d*, cast solid with the same, running to the left in right angle with it and under the mold-board flange, which is running to the right, as shown in Fig. 2 by the dotted line, and also shown in cross-section in Fig. 3 at *d* and C; M, a screw-bolt that passes down through both the flanges C and *d* of the mold-board and guard-plate flanges, to unite them together permanently.

The foregoing arrangements may be applied to any plow in use.

My mode of connecting the mold-board and guard-plate leaves the mold-board free from the sheth or upright, and renders the plow stronger, lighter, and much easier put together, and the bar which binds the mold-board to the share, if it should break, can be mended without difficulty. My invention may be applied to either right or left handed plows. I denominate the said plow the "Albert Furrow-Guard Plow."

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

The two flanges C and *d*, as shown in Fig. 3, which connect together by the screw-bolt M permanently the flange C of the mold-board A with the flange *d* of the guard-plate B; as described in the specification and illustrated by the drawings.

EMANUEL ALBERT.

Witnesses:

HENRY S. KELLOGG,
CHAS. H. RAYMOND.