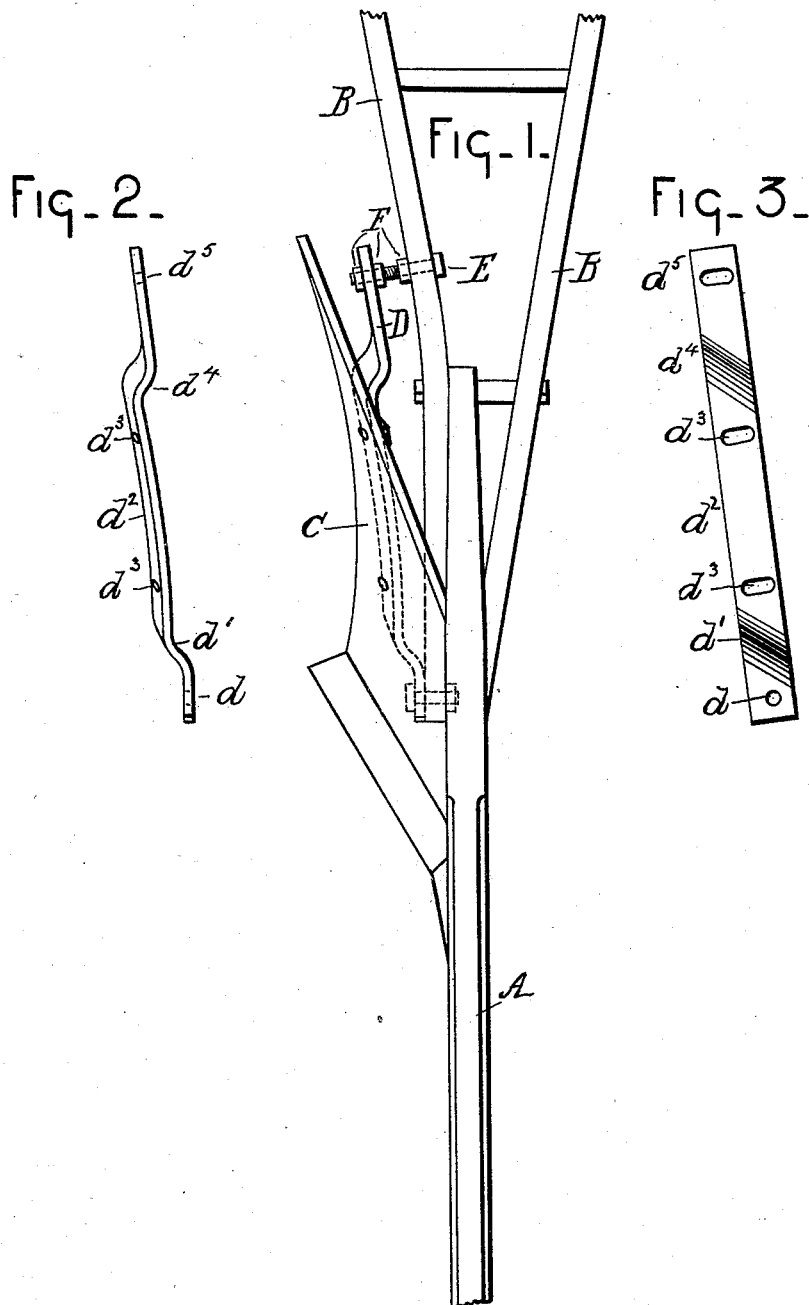


(No Model.)

E. C. LESTER.
PLOW.

No. 423,062.

Patented Mar. 11, 1890.



WITNESSES
F. Clough.
C. J. Shipley

INVENTOR
Eugene C. Lester
By *Wells N. Leggett & Co*
Attorneys.

UNITED STATES PATENT OFFICE.

EUGENE C. LESTER, OF ALBION, MICHIGAN, ASSIGNOR TO THE GALE MANUFACTURING COMPANY, OF SAME PLACE.

PLOW.

SPECIFICATION forming part of Letters Patent No. 423,062, dated March 11, 1890.

Application filed December 9, 1889. Serial No. 333,069. (No model.)

To all whom it may concern:

Be it known that I, EUGENE C. LESTER, a citizen of the United States, residing at Albion, county of Calhoun, State of Michigan, have invented a certain new and useful Improvement in Plows; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

In the drawings, Figure 1 is a plan view of a plow embodying my improvement. Figs. 2 and 3 are detail views—one an edge elevation and the other a side elevation of the adjusting device constituting my invention.

Heretofore in the manufacture of plows where the mold-board has been bolted or otherwise attached directly to the handle it has been found that the warping of the mold-board when being cooled and the subsequent attaching of it to the handle has thrown the handle out of the line of draft, so that it has been difficult to handle the plow; and my improvement is designed to remedy this by the provision of suitable means for attaching the mold-board to the handle, whereby the engagement may be adjusted to conform to the warping of the mold-board when cooling.

In carrying out my invention, A represents the beam, B the handles, and C the mold-board, of the plow.

D is a strip of iron or other metal, preferably wrought, having on one end a bolt-orifice d' , by which this end is attached to the forward end of one of the handles. Immediately back of this orifice the piece is bent, as at d' , so as to throw a portion of it over adjacent to the mold-board. This portion d^2 is provided with orifices d^3 , by which the piece is engaged to the mold-board. Between this portion d^2 and the other end the piece is bent back again, as at d^4 , and is provided on the end with an orifice d^5 .

E is a bolt engaged to the handle D and adapted to pass through the orifice d^5 in the piece D. This bolt, adjacent to the piece D, is provided with jam-nuts F, adapted to hold the bolt E and the piece D in the proper po-

sition with respect to each other. It will be observed that the orifices d^5 and d^3 are elongated. The mold-board is thus given any desired adjustment with respect to the handle, since it may be adjusted along the bolt E by means of the jam-nut; or it may be adjusted vertically by means of the elongated orifices in the strip D. Thus no matter what the shape of the mold-board may be after it has cooled it can be applied to the plow and attached to the handle and so adjusted that the line of draft may be exactly centered.

What I claim is—

1. In a plow, the combination, with the mold-board and adjacent plow-handle, of the intermediate connecting-strip bent near each end, as described, said strip having its forward end attached to the forward end of the handle, its rear end adjustably connected with the rear portion of the handle, and its outwardly-bent central portion secured to the inner side of the mold-board, substantially as specified.

2. In a plow, the combination, with the mold-board and adjacent plow-handle, of the intermediate connecting-strip having its forward end engaged directly with the forward end of the handle, said strip bent toward the mold-board and secured thereto, and then toward the rear portion of the handle, and a bolt extending from the handle to adjustably support the rear end of said strip, substantially as shown and described.

3. In a plow, the combination, with the mold-board C and adjacent plow-handle B, of the intermediate strip D, provided with bends d' and d^4 near its opposite ends and having bolt-orifices d , d^3 , and d^5 , said strip being attached by bolts to the mold-board and forward end of the plow-handle, and the bolt E and nuts F for adjustably connecting the rear end of the strip with the rear portion of the plow-handle, substantially as shown and described.

In testimony whereof I sign this specification in the presence of two witnesses.

EUGENE C. LESTER.

Witnesses:

GEO. W. BORTLES,
C. R. BOTSFORD.