C. O. WILDER.
Plow.

No. 214,737. Patented April 22, 1879.

Fig. 1.

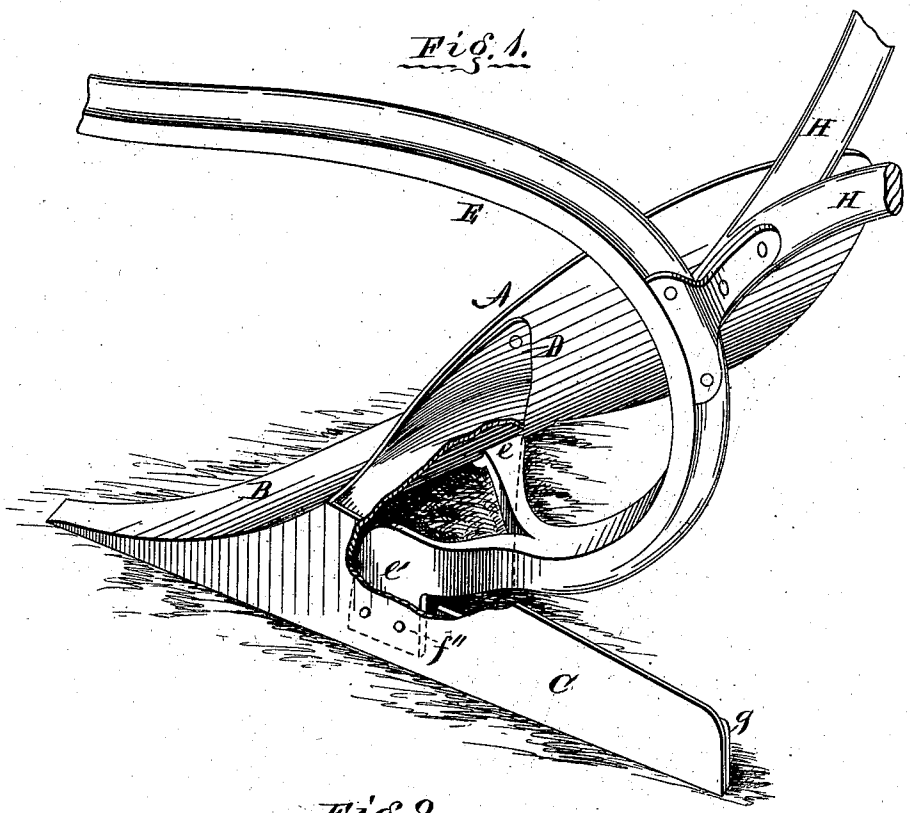
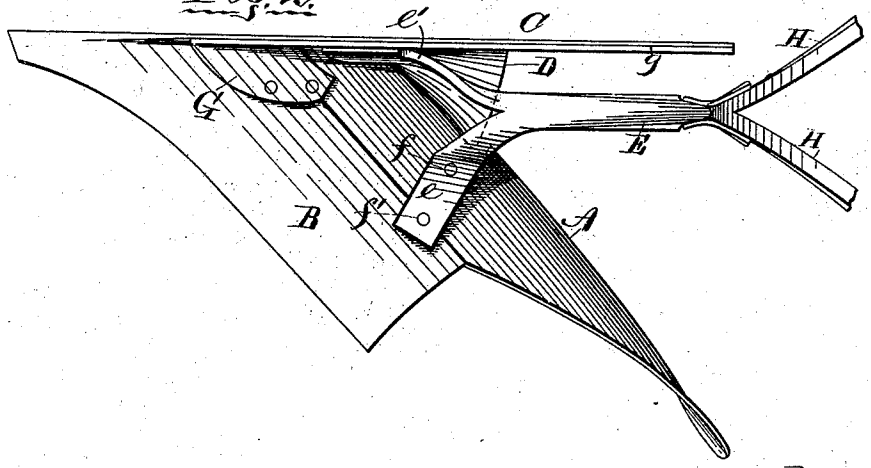


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES O. WILDER, OF MONMOUTH, ILLINOIS, ASSIGNOR TO THE J. I. CASE PLOW COMPANY, OF RACINE, WISCONSIN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **214,737**, dated April 22, 1879; application filed November 22, 1878.

To all whom it may concern:

Be it known that I, CHARLES O. WILDER, of Monmouth, in the county of Warren 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 invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a perspective view of a plow embodying my invention, partly broken away to show the construction. Fig. 2 is a bottom view.

This invention relates to improvements in the construction of wrought-metal plows; and it consists of a plow-beam forked or branched at its lower end, and bolted, the one branch to the mold-board and share and the other branch to the land-side bar, to form a support and connection or frame for the attachment of the mold-board, share, and land-side bar, and also a secure attachment of the beam to the plow.

The invention further consists in an angle-plate or frog, in combination with the forked beam and plow, as aforesaid.

Referring to the drawings by letters, the same letter indicating the same part in the different views, A represents the mold-board, B the share, C the land-side bar, and D the side brace, of an ordinary steel or wrought-metal plow. E is the plow-beam, constructed of metal, and formed as shown in the drawings, with its rear end curved in such manner that the upper edge of the mold-board is some distance in front of the beam, in the same horizontal plane, and the lower extreme end of the beam is forked or divided into two branches, *e e'*, the one branch, *e*, being extended and adapted to fit the surface of the mold-board and share at their union, and bolted at *f f'* to the mold-board and share, respectively, to form a plate for securing them to each other. The other branch, *e'*, is extended, and adapted to fit the inner surface of the land-side bar, to which it is secured by bolts *f''*. G is an angle-plate or frog, fitted and bolted beneath the front part of the plow in the ordinary manner, and may have an extension, *g*, fitted to strengthen the land-side bar; or the extension *g* may be omitted. H H are handles, secured to the beam E.

This construction of the rear end of the beam and its attachment, as described, to the plow furnishes a sufficient brace and frame for the attachment of the rear parts of the mold-board, share, and land-side bar, and at the same time a secure and firm attachment of the beam to the plow.

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

1. In a plow, the beam E, formed into two branches, *e e'*, at its lower end, adapted to be secured as a brace to the mold-board, share, and land-side bar, substantially as described, and for the purpose specified.

2. The angle-plate G and forked beam E, in combination with the mold-board, share, and land-side bar, substantially as described, and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES O. WILDER.

Witnesses:

J. G. MADDEN,

A. S. MADDEN.