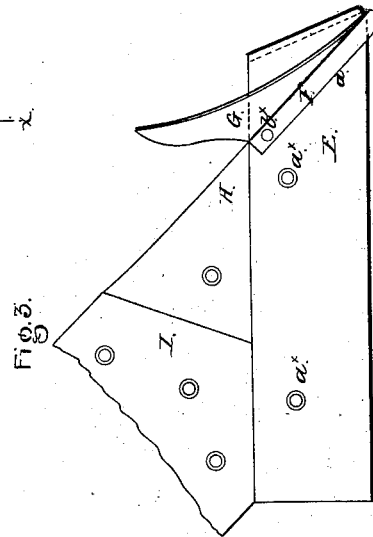
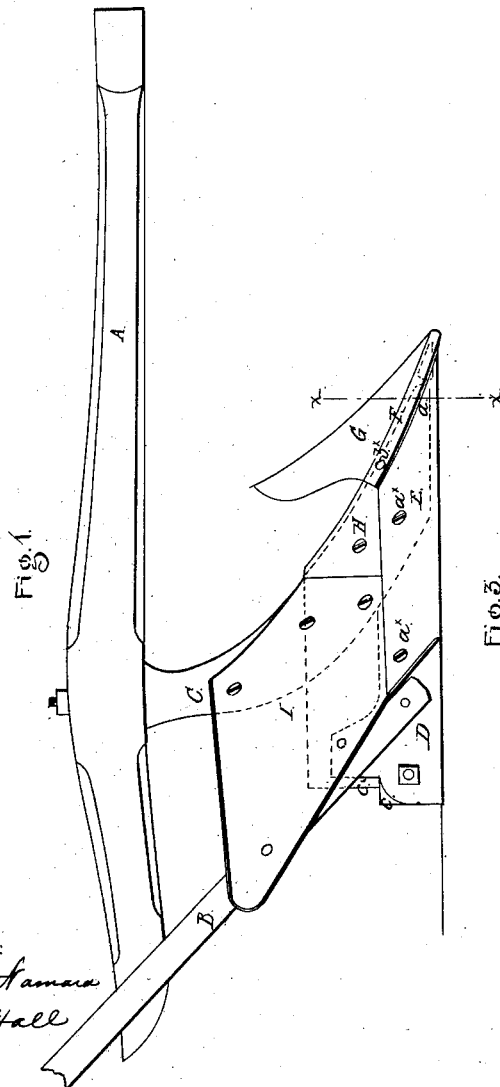
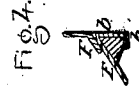
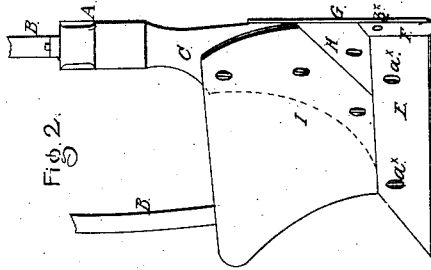


E. C. Whiting

Plow

N^o 49,816.

Patented Sep. 5, 1865.



Witnesses:

Am. L. McNamee
J. P. Hall

Inventor:

E. C. Whiting
Jas. Munroe
Attorney

UNITED STATES PATENT OFFICE.

E. G. WHITING, OF NORTHFIELD, MINNESOTA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **49,816**, dated September 5, 1865.

To all whom it may concern:

Be it known that I, E. G. WHITING, of Northfield, in the county of Rice and State of Minnesota, have invented a new and Improved Plow; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, a front view of the same; Fig. 3, a side view of the parts before bent in proper form; Fig. 4, a transverse section of Fig. 1, taken in the line *x x*.

Similar letters of reference indicate like parts.

A represents the beam of the plow, which may be constructed of wood, and B B the handles, which may be of the usual form.

C is a cast-iron standard attached to the beam A, and provided with a landside, D, and a pointed front end, said standard forming a base or foundation on which the steel portions of the plow are bolted.

E represents a steel plate, of which the share is formed. The front end of this plate is beveled or cut as shown at *a* in Fig. 3, and is bent around at its front end, as shown at *b b'* in Fig. 4, so as to form a socket to receive the front end of the standard C, the plate E being secured at its sides to the standard by bolts *a''*.

On the front edge of the share there is placed a steel strip, F, which may be secured in position by a bolt, *b''*, and this strip has a colter, G, which projects upward above the share.

When worn out the strip F and colter G may be readily detached and replaced by new ones.

At the front part of the plow, just above the share E, there is a steel plate, H, of trilateral form, bolted to the standard. This plate H forms the front part of the mold-board, I being the remaining part; and to the landside of the plow there are bolted two steel plates, C C, partially shown in Fig. 1.

By this arrangement it will be seen that I obtain a steel-cased plow the plates of which may be replaced at any time when wear or breakage demands, and one which may be constructed or manufactured at a small cost and of any of the known forms.

I do not claim making a share or point of cast-iron which shall embrace the end of the sheth or plow-standard.

I claim as new and desire to secure by Letters Patent—

Lapping the forward portion of the share E around the standard C, as described, and represented at *b b'*, Fig. 4.

E. G. WHITING.

Witnesses:

ELIAS HOBBS,
C. S. HULBERT.