

UNITED STATES PATENT OFFICE.

E. G. WHITING, OF NORTFIELD, 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^x .

On the front edge of the share there is placed a steel strip, F, which may be secured in position by a bolt, b^x , 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.