W. B. YOUNG.

Plow.

No. 46,418. Patented Feb. 14, 1865.

Fig. 1.

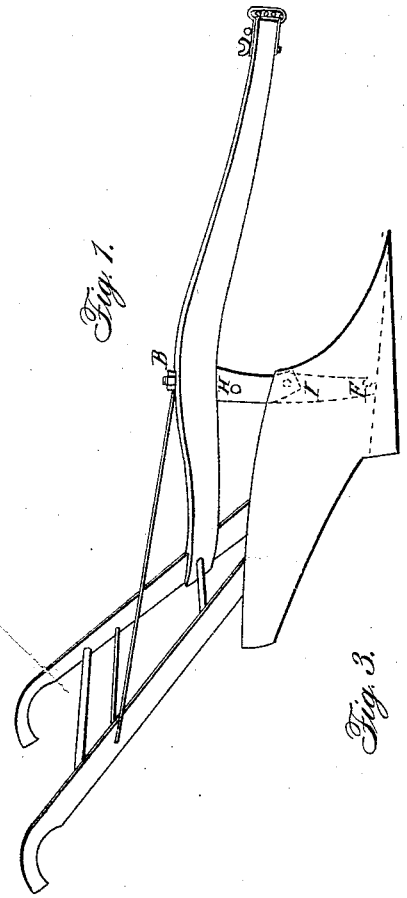


Fig. 5.

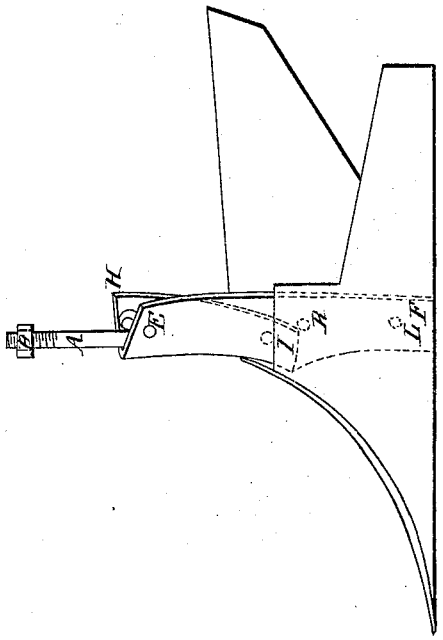


Fig. 4.

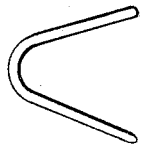


Fig. 3.

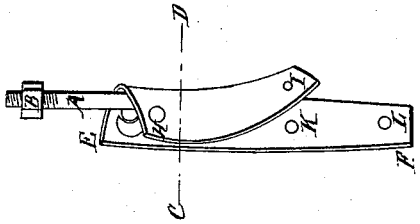
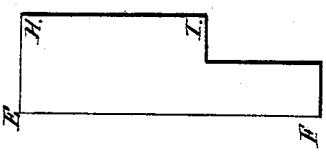


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WM. B. YOUNG, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **46,418**, dated February 14, 1865.

To all whom it may concern:

Be it known that I, WILLIAM B. YOUNG, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents the plow as finished. Fig. 2 represents the flat bar or sheet of iron or steel from which the plow-standard is made. Fig. 3 represents the same sheet of iron or steel after being bent or pressed into the form in which it is to be used, and also the iron rod and nut A and B by which the standard is attached to the beam. Fig. 4 is a transverse section of the standard, taken at or near the dotted line C D, Fig. 3. Fig. 5 represents the landside of the plow, and the mode of attaching the landside and mold-board to the standard.

The same letters indicate the same parts in all the figures.

To enable those skilled in the art to construct and use my invention, I will proceed to describe its construction and operation.

The standard E F H I is formed of a single sheet of iron or steel about one-quarter of an inch thick. It is first cut into the form shown in Fig. 2 and then pressed into the form shown in Fig. 3. The holes for the screws or bolts by which it is attached to the landside and mold-board may be punched or cut in the ordinary way, either before or after the sheet is pressed into shape. The side of the standard to which the landside is attached (represented by E F) is brought down in a straight line to the bottom of the landside, and is attached to the landside by the bolts K L. The other side of the standard (represented by H I) is curved, as shown in the drawings, so as nearly to fit the curvature of the mold-board, and is attached to the mold-board by the bolt I, Figs. 1, 3 and 5.

To attach the standard to the beam I punch or drill two holes through the top of the standard, as shown at H, Fig. 3, and E, Fig. 5, and through these holes pass an iron rod or bolt long enough to connect the two sides of the standard. To this rod or bolt I attach the perpendicular bolt A by bending the lower end into the form of a hook of the proper size to fit the horizontal bolt round which it is passed. The upper part of the bolt A passes through a hole in the beam, and is then made tight by the nut B; or, instead of this attachment, the two sides of the standard may be brought up round the sides of the beam and lapped over the top; or any other suitable mode of attachment may be employed, which is not material, though I deem the method here shown the best in practice.

The mold-board and landside and other parts of the plow have nothing peculiar in their construction.

The advantages of my invention are the superior strength and lightness of the standard, in which it is believed to surpass all other standards previously employed, and also the greater economy of manufacture.

I do not claim any part of the plow except the standard, nor do I claim generally all standards of angle-iron or steel; but

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

A plow-standard made of sheet-iron or steel, with the upper part bent or curved, constructed and operating substantially as above described.

W. B. YOUNG.

Witnesses:

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