M. L. GIBBS.

Improvement in Plow-Points.

No. 128,221. Patented June 25, 1872.

Fig. 1.

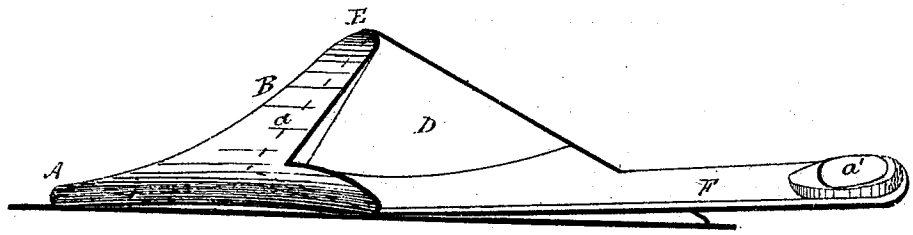


Fig. 2.

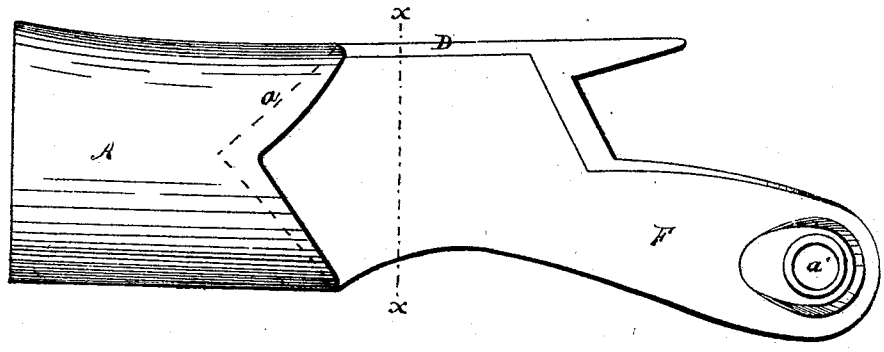
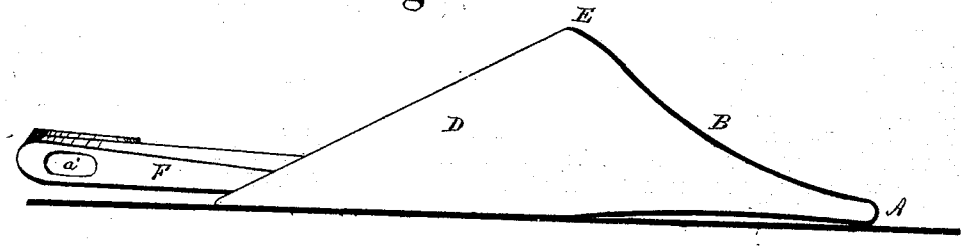


Fig. 3.



Witnesses.

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Inventor.

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UNITED STATES PATENT OFFICE.

MARTIN L. GIBBS, OF CANTON, OHIO.

IMPROVEMENT IN PLOW-POINTS.

Specification forming part of Letters Patent No. 128,221, dated June 25, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, MARTIN L. GIBBS, of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Plow-Points, of which the following is a full and complete description, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side view of the plow-point. Fig. 2 is a top view. Fig. 3 is a view of the opposite side of Fig. 1.

The nature of this invention relates to a plow-point, and the object thereof is to so construct said point that it can be used on a steel plow, or on a cast-iron one of a certain style now in extensive manufacture and use, and which plows are usually provided with wrought-iron points tipped with steel, which, when the steel is worn down, require to be relaid at an expense exceeding the first cost of an entire steel point when made as herein described. Said points are made of steel by casting the metal in a mold after a pattern, thereby making a cast-steel point, or it may be made of common cast metal cast on a chill. The following is a description of the point as constructed:

Fig. 1 represents the mold-board side of the plow-point, of which A is the extreme end or point, which is of the shape shown in Fig. 2, broad, square, and flat, as those in ordinary use. The elevated point B is that which conforms to the colter-ridge or edge of the mold-board, and which conforms to and makes a part of the mold-board when attached thereto. D is a wing, extending from the top E back to the heel of the point. One purpose of said wing is to give additional strength to the plow-point through the line *x x*—the part of the point whereon is exerted the greatest strain, and therefore the most liable to break or bend—and which wing also conforms to the plane of the land-side of the plow, being flush therewith. F is an arm extending back from the heel of the plow-point, and whereby the point is bolted to the plow by the insertion of a bolt in the hole *a'*. The dotted lines G indicate a cavity or recess, into which the toe of the plow is fitted, and whereby the point is held firmly thereto and prevented from dropping down.

The above-described point is made of Bessemer steel, which, as aforesaid, is cast in a mold after a pattern. In thus making the point entirely of steel and of the shape described I am enabled to produce a point that is more durable and less expensive than those now generally used on this style of plows, and which, when worn down to a stump, can be easily drawn out and sharpened by any ordinary smith, at but little expense; or it can be supplied by a new one at less cost than the ordinary iron point can be relaid with steel and fitted for continued use.

Claim.

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

As a new article of manufacture, a plow-point, when constructed as herein described and shown.

MARTIN L. GIBBS.

Witnesses:

J. H. BURRIDGE,

A. CORNELL.