

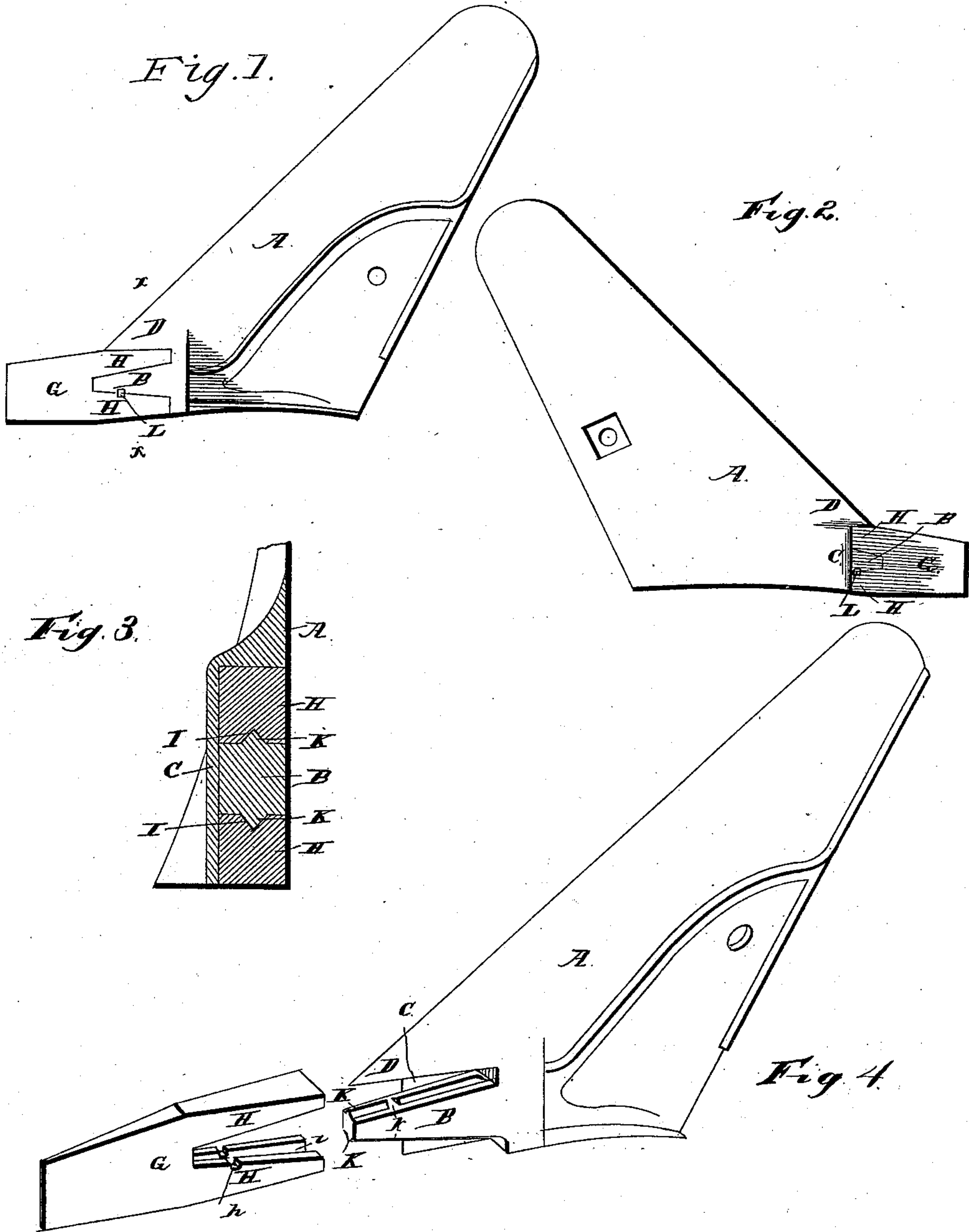
(No Model.)

M. H. EFFINGER.

PLOW POINT.

No. 364,912.

Patented June 14, 1887.



Witnesses
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UNITED STATES PATENT OFFICE.

MICHAEL HARVEY EFFINGER, OF HARRISONBURG, VIRGINIA.

PLOW-POINT.

SPECIFICATION forming part of Letters Patent No. 364,912, dated June 14, 1887.

Application filed April 5, 1887. Serial No. 233,773. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL HARVEY EFFINGER, a citizen of the United States, residing at Harrisonburg, in the county of Rockingham and State of Virginia, have invented a new and useful Improvement in Plow-Points, of which the following is a specification.

My invention relates to improvements in plow-points; and it consists in a certain novel construction and arrangement of parts for service, fully described hereinafter, specifically pointed out in the claim, and illustrated in the accompanying drawings.

Heretofore plow shares or points have been made with the nose portion provided with jaws to receive a tongue on the slip-nose; but for various reasons these have been objectionable. The said jaws are very liable, when the nose strikes a stone or other unyielding substance, to split apart, thus ruining the entire share, which must be replaced at considerable expense.

My invention consists in forming the tongue or wedge on the extremity of the nose portion of the share, and providing the rear end of the slip-nose with jaws to embrace the same.

My invention consists, further, in certain details of construction and arrangement, as hereinafter more fully set forth.

In the drawings, Figure 1 is a side view of the share. Fig. 2 is a similar view of the opposite side thereof. Fig. 3 is a sectional view on the line *xx*, Fig. 1. Fig. 4 is a perspective view thereof, with the parts detached, to show the manner of placing the same together.

Referring to the drawings, in which similar letters denote corresponding parts in all the figures, A designates the plow-point, having the wedge-shaped tongue B on the nose portion thereof, the said tongue being formed integrally with the said nose portion, and having the lateral web C extending along one side of the tongue, and the projection D extending forwardly over the same.

G is the slip-nose, having the diverging jaws H H, provided on the inner sides with the grooves I I, to receive the ribs K on the upper and lower sides of the tongue.

L is a pin, to pass through aligned openings or recesses *h k* in the inner edge of one of the jaws H and one of the ribs K, respectively.

It will be seen that the web C on the side of the tongue, and formed integrally with the same and also with the projection D, serves as a powerful brace to the said tongue to prevent its being broken when the share is strained. The said web also serves as a lateral brace to the slip-nose, and, used in connection with the ribs and grooves, the said slip-nose is very firmly braced laterally. The projection D over the tongue serves as a brace vertically to the slip-nose, to protect the same in some measure from being split when striking at the point against an obstruction.

The advantages of my invention will be readily seen, as the parts of the share are so constructed and braced as to resist any ordinary strain; and should any portion of the device whatever split or be otherwise damaged it would necessarily be the slip-nose, the expense of replacing which is much less than the entire share.

Having described my invention, I claim—

A plowshare having the forwardly-extending tapered tongue B, the upper and lower sides of which diverge rearwardly, ribs K on the said diverging sides, the forwardly-projecting projection or brace D, overhanging the said tongue, and the lateral strengthening-web C, formed integrally with the said tongue and upper projection, and adapted to firmly brace the same, in combination with the reversible slip-nose or point G, having the diverging jaws H, grooves I in their opposing inner sides, adapted to receive the ribs K, and the pin L, passed transversely through registering-openings in one of the jaws H and one of the ribs K, substantially as and for the purpose set forth.

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

MICHAEL HARVEY EFFINGER.

Witnesses:

J. S. MESSERLEY,
V. H. LANE.