

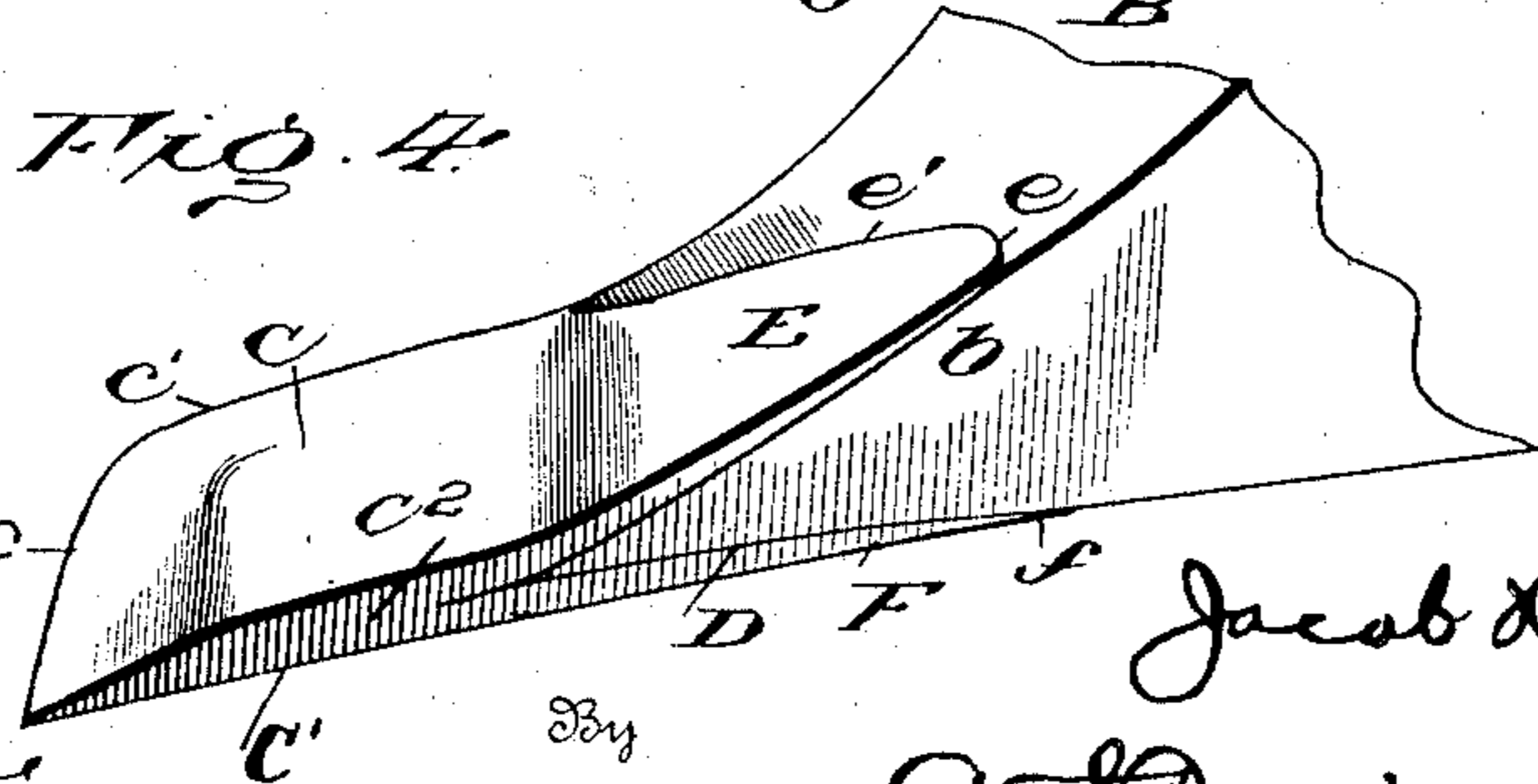
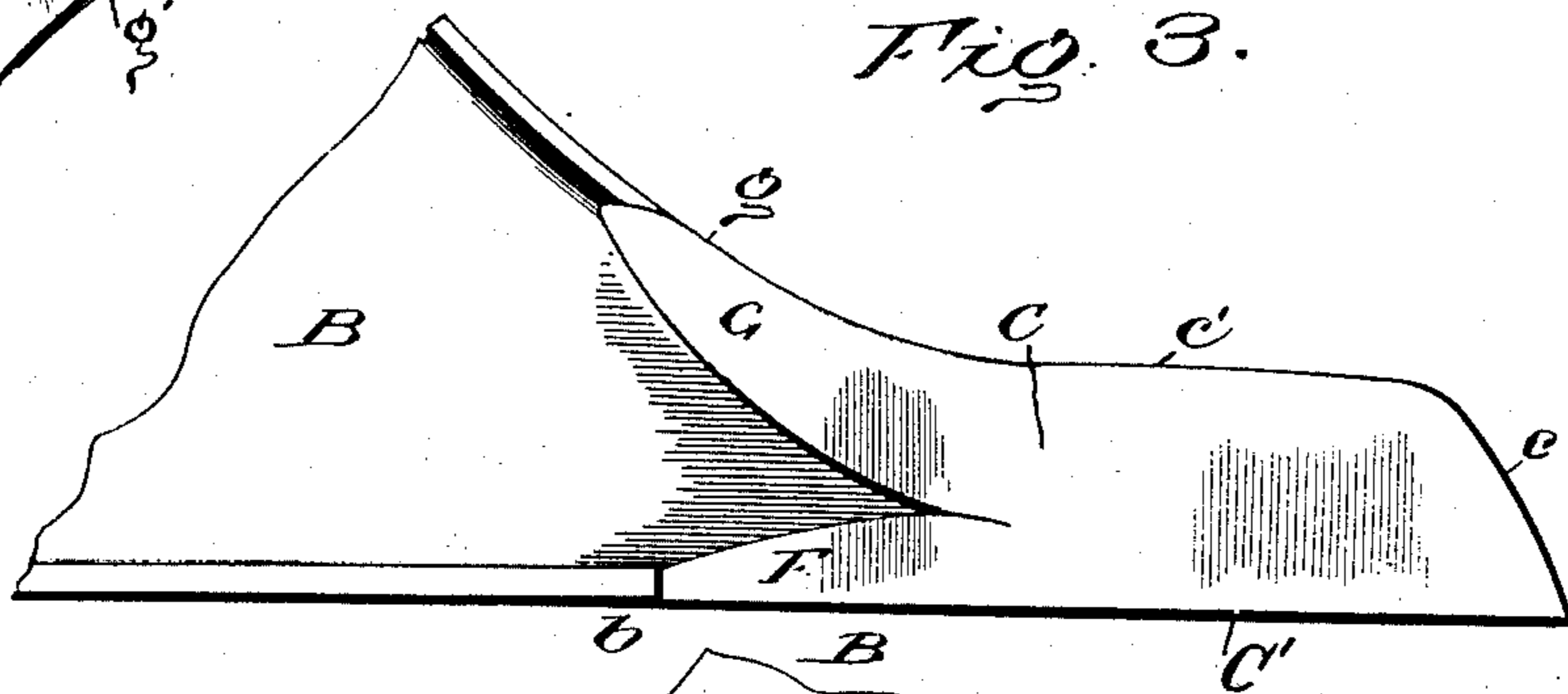
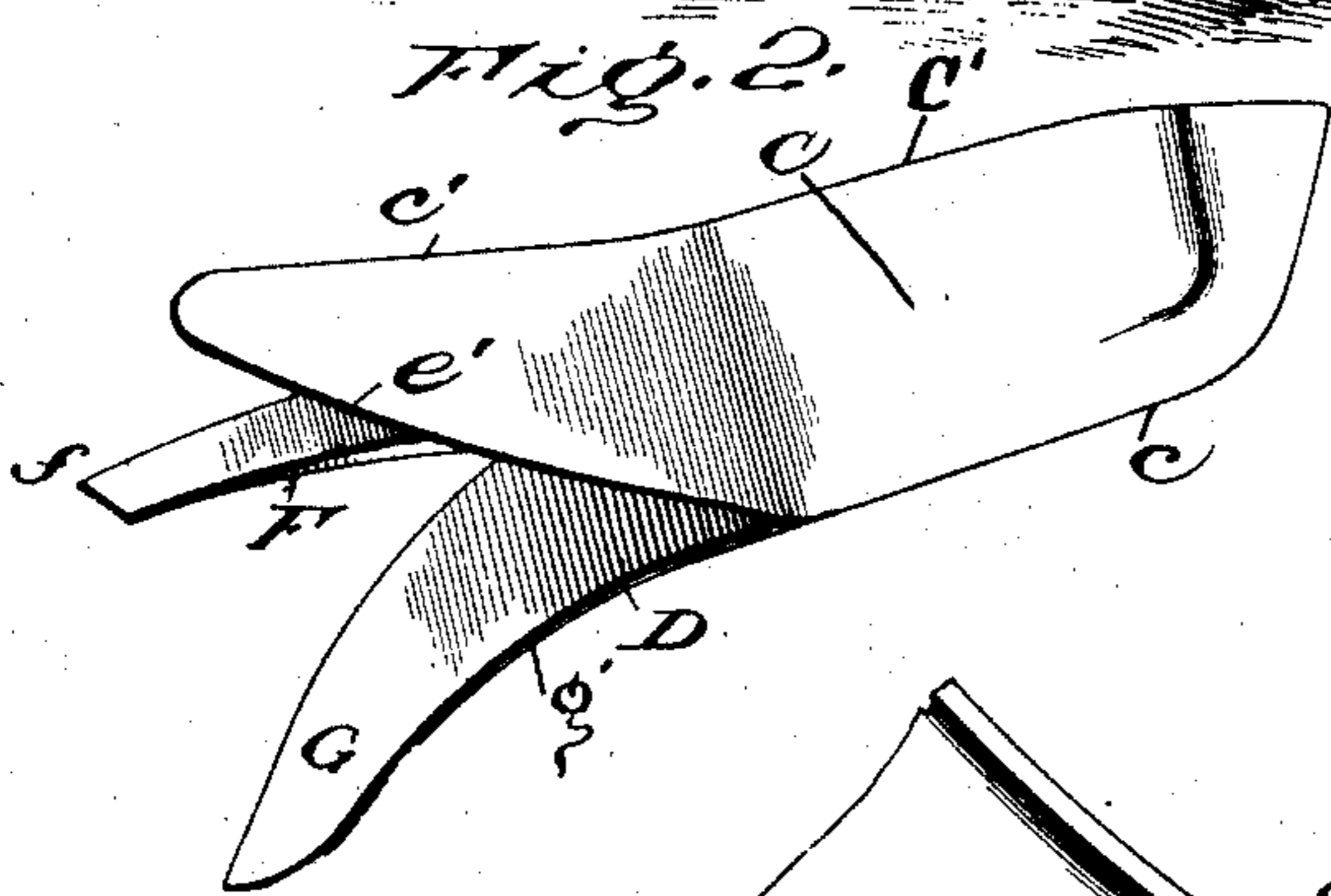
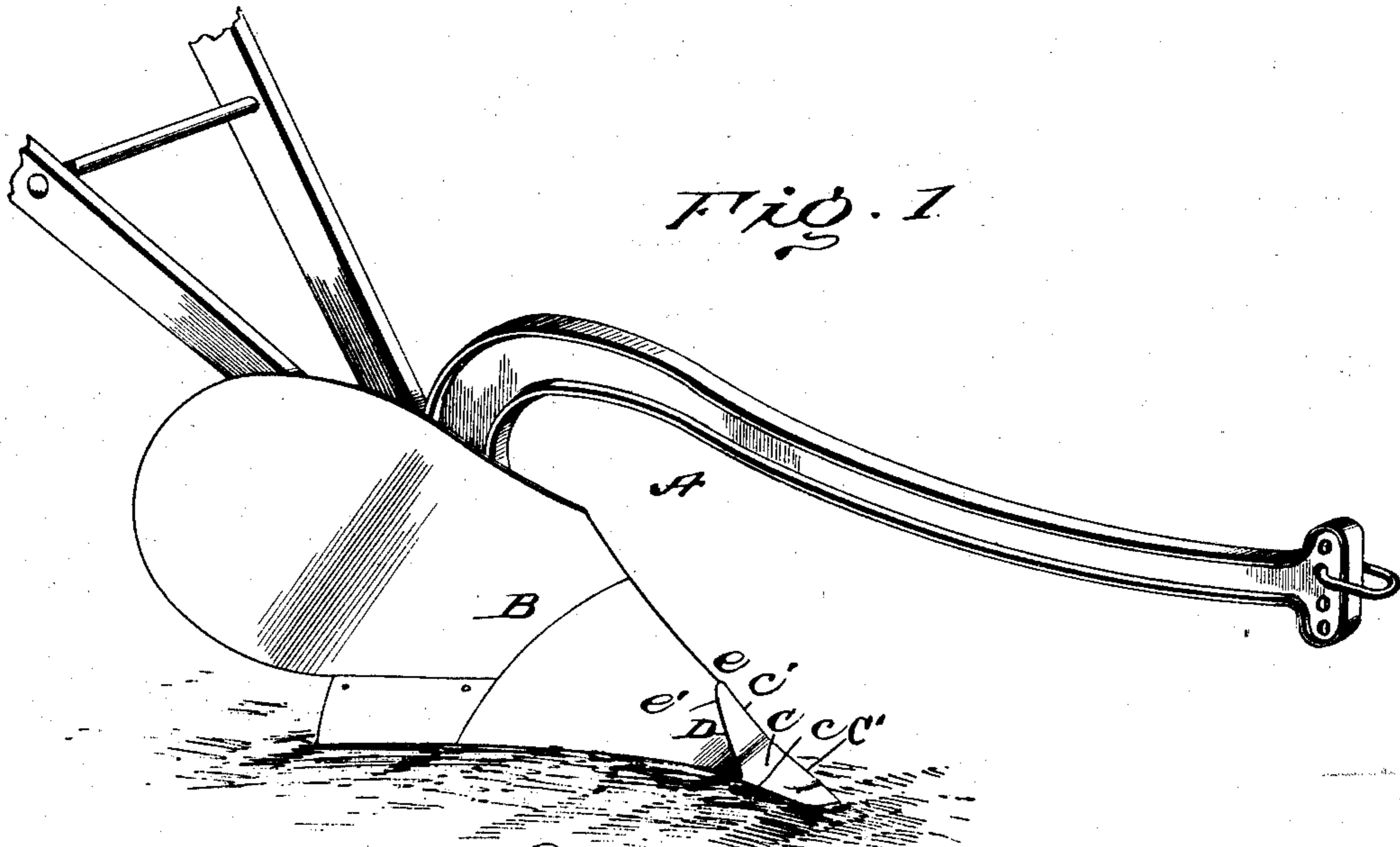
No. 736,845.

PATENTED AUG. 18, 1903.

J. HALMAN.
PLOW POINT.

APPLICATION FILED OCT. 31, 1902.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

JACOB HALMAN, OF HEIZER, KANSAS.

PLOW-POINT.

SPECIFICATION forming part of Letters Patent No. 736,845, dated August 18, 1903.

Application filed October 31, 1902. Serial No. 129,810. (No model.)

To all whom it may concern:

Be it known that I, JACOB HALMAN, a citizen of the United States, residing at Heizer, in the county of Barton and State of Kansas, have invented new and useful Improvements in Plow-Points, of which the following is a specification.

My invention relates to improvements in plow-points, and pertains more particularly to that class of points which are attached to the ordinary plow now in use.

The object of my invention is to provide a plow-point which is adapted to be attached to the ordinary plow and one in which I do away with the use of bolts or screws for securing it to the plow.

Another object of my invention is to provide a plow-point in which the means for securing it to the share is not confined to a single point, but is distributed to several points on the share, and thus the point is more firmly held thereon.

A still further object of my invention is to provide a cheap, simple, and more durable and effective point than has been heretofore made.

In the accompanying drawings, Figure 1 is a perspective view of a plow, showing my point attached thereto. Fig. 2 is a perspective view of the point detached. Fig. 3 is an inverted plan view of the plow, showing the point attached. Fig. 4 is a perspective view of the plow looking from the opposite side from that shown in Fig. 1.

Referring now to the drawings, A represents an ordinary plow which is most common in use, and B is the plowshare, which is provided with the rearwardly-extending portion *b*. Now in ordinary use of plows the point becomes worn and the plow is useless, and in order to greatly increase the length of time a plow will last I provide a point which is readily placed upon the plow and at the same time obviates the use of screws or bolts, which are common ways of fastening the ordinary removable point to the plow.

C represents the removable point, which is formed of a single piece of wrought-iron having a horizontal flat portion having an outer cutting edge *c* and the side cutting edge *c'*, which extends at an angle parallel with the angle of the plowshare, and thus forms when in position a continuation of the said share.

The edge *C'* is provided with a vertical wall *C²*, which when in position forms a continuation of said vertical portion *b* of the plowshare. The said point C is provided with a horizontal opening or recess D, which is adapted to receive the outer end of the plowshare, and said recess forms upper and lower blades or wings. The upper wing E is broad and gradually tapers toward the upper end *e* and is beveled at *e'* from the lower and upper surfaces toward the side of the point carrying the cutting edge. Thus it will be seen that when said wing is firmly welded upon the upper face of said share it forms an even unbroken joint and thus forms practically a continuation of said share. The lower wing F is beveled toward the end *f* and is narrow or just the width of the thickness of the vertical portion *b* of the share and thus forms practically a continuation of said portion *b*. The lower face of said point is formed with a third outwardly-extending member or wing G, which is beveled at *g* toward its end and toward the side of the point having the cutting edge. The said wing is curved at *g'* so that it conforms to the shape of the lower curved edge of the share, and thus it will be seen that when said wing is welded to the under side of said share it forms a continuation thereof, and thus after the three wings have been welded upon the point it forms practically a solid part of the plow, and thus the strain thereof is evenly distributed to different parts of the share.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with a plow, of a point having an enlarged portion having a vertical straight side, and its end and opposite side beveled to a cutting edge, a rearwardly upwardly inclined broad wing resting upon the share, a rearwardly horizontal narrow wing having its lower face in a plane with the lower face of the enlarged outer portion, and a second outwardly-curved wing having its lower face in a plane with the lower face of the narrow wing and the enlarged outer portion.

2. The combination with a plow, of a point having an enlarged portion having a vertical straight side, and its end and opposite side beveled to a cutting edge, a rearwardly up-

wardly extending broad wing carried by said
enlarged portion and resting upon the share
and having a straight vertical wall flush with
the landside and beveled toward its opposite
5 side and end, a rearwardly horizontal narrow
wing beveled toward its end and having ver-
tical straight walls and a lower face in a plane
with the lower face of the enlarged portion,
and a second outwardly-curved wing carried
10 by said enlarged portion and having a lower
face in a plane with the lower face of the en-

larged portion and the narrow wing and said
curved wing having an outer beveled side and
end.

In testimony whereof I have hereunto set 15
my hand in the presence of two subscribing
witnesses.

JACOB HALMAN.

Witnesses:

WM. OTTE,
H. ESSMILLA.