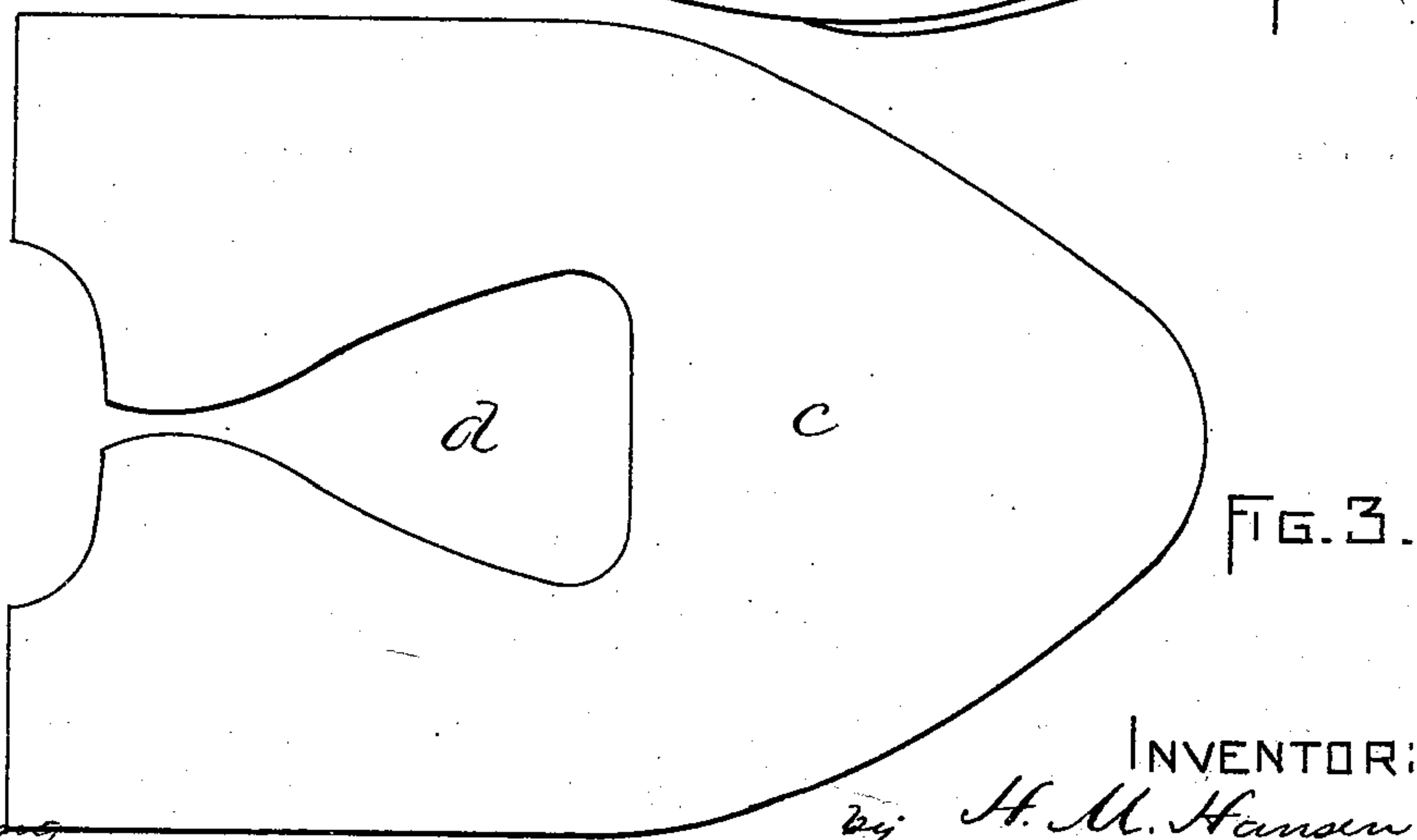
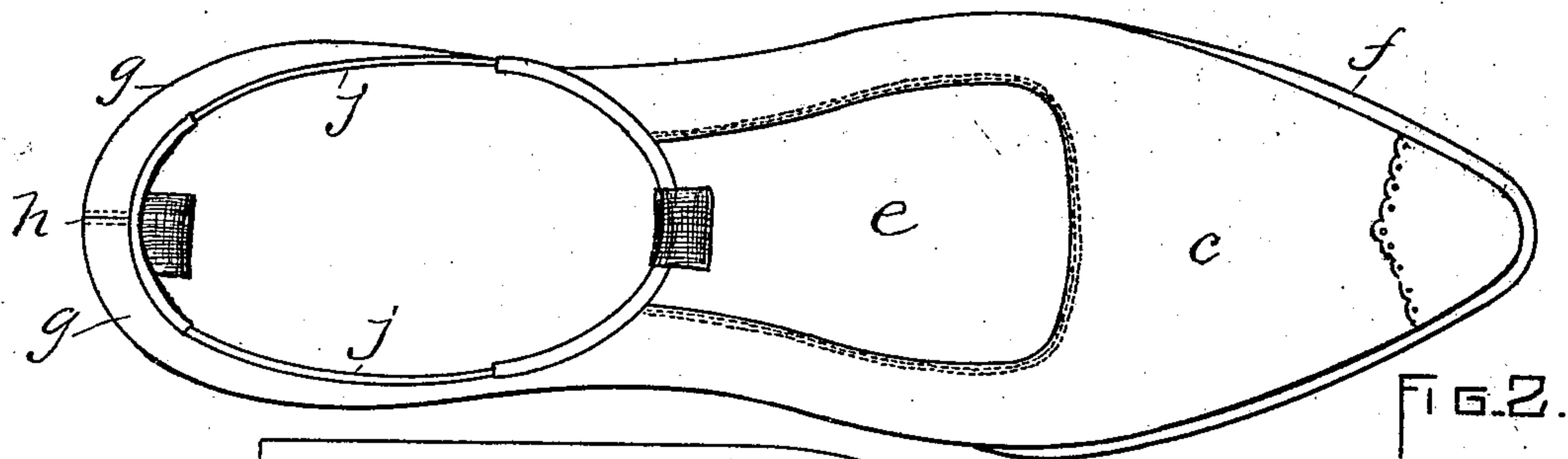
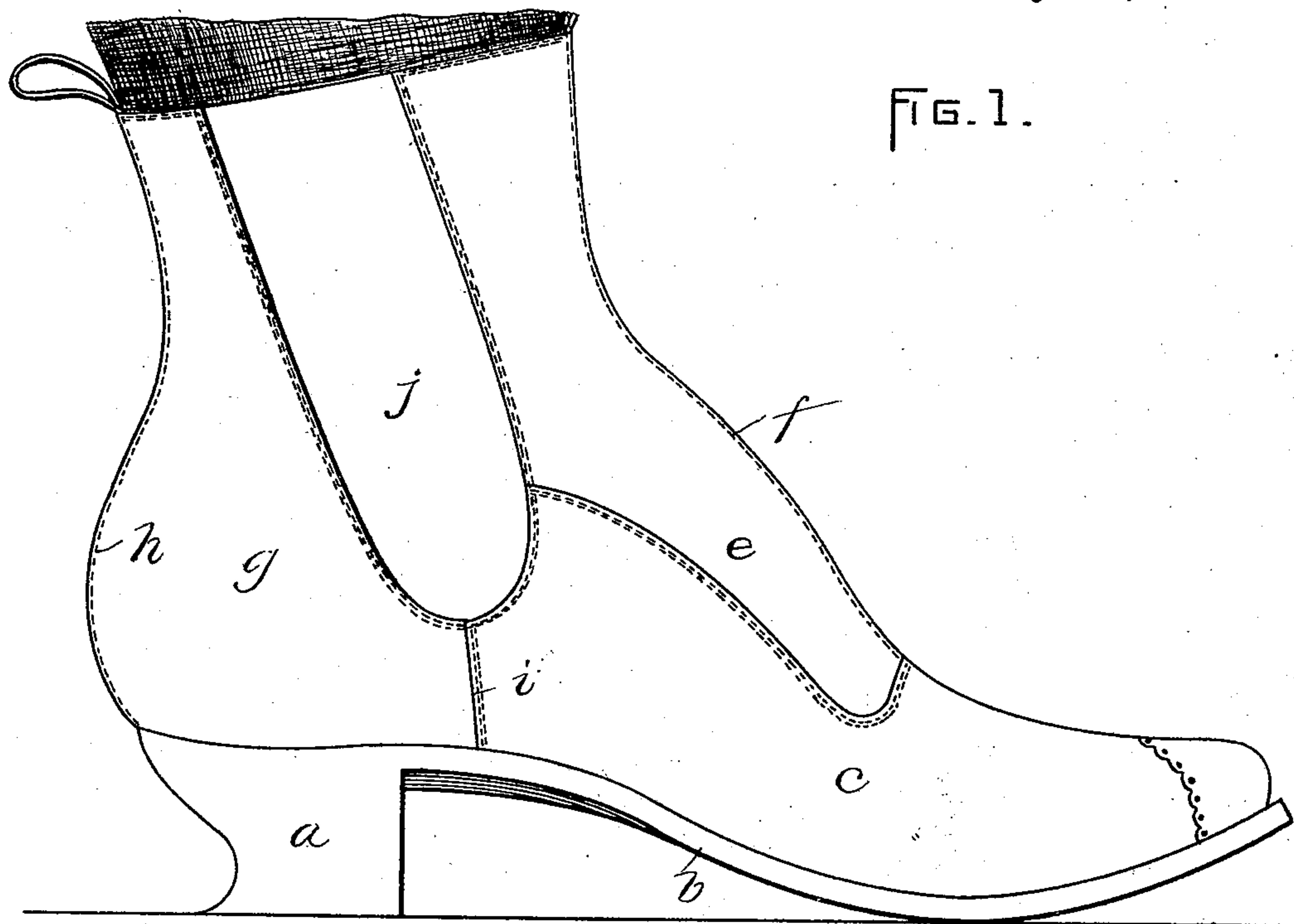


(No Model.)

H. M. HANSEN.
SHOE.

No. 501,505.

Patented July 18, 1893.



WITNESSES:

E. A. Young
Walter S. McLeod

INVENTOR:

H. M. Hansen
Wright, Brown & Corsey
ATTYS.

UNITED STATES PATENT OFFICE.

HANS M. HANSEN, OF QUINCY, MASSACHUSETTS.

SHOE.

SPECIFICATION forming part of Letters Patent No. 501,505, dated July 18, 1893.

Application filed August 22, 1892. Serial No. 443,735. (No model.)

To all whom it may concern:

Be it known that I, HANS M. HANSEN, of Quincy, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Boots and Shoes, of which the following is a specification.

This invention has for its object the provision of improvements in the construction of the uppers of boots and shoes, whereby comparatively small pieces of stock may be utilized, wastage avoided, and at the same time a neat and serviceable shoe produced.

The invention consists of a vamp blank for use in the manufacture of boots and shoes in which a piece or section has been removed for the insertion of the instep pieces or parts, the said removed section being vase-shaped or of substantially vase-form, with the lines at the neck meeting or nearly meeting, whereby the greatest economy in stock is secured and graceful lines are obtained in the make-up of the shoe, all as I will proceed to describe in detail and point out with particularity in the claim.

Reference is to be had to the annexed drawings, and the letters marked thereon, forming a part of this specification, the same letters designating the same parts or features, as the case may be, wherever they occur.

Of the drawings Figure 1 is a side elevation of a Congress shoe, constructed in accordance with my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a plan view of a vamp as it appears immediately after being cut out.

In the drawings *a* designates the heel and *b* is the sole of a boot or shoe, which is herein shown to be of the Congress type, though so far as my invention extends, it might as well be of the button, lace, or low quarter kind or class.

c designates the vamp, which, as shown in Fig. 3 may be made from a single piece of material cutting out a vase-shaped piece *d* for the inset of the instep piece or pieces *e*.

By forming the vamp in the manner described, I am enabled to economize stock to a maximum extent, since the lines in the neck part of the vase-shaped piece, cut out for the inset of the instep portion, may converge or

nearly meet, making the wastage of stock inconsiderable. At the same time a graceful and slightly curve is given to the upper edge of the vamp, extending as it does from or about the ankle, on each side, forward and downward to the ball of the foot, whence it curves inward and extends across the latter.

The instep portion *e* of the shoe may be made of a single piece as shown in Fig. 2, or it may be made of two pieces united by a seam *f* as shown in Fig. 1, or instead of the seam *f* the two parts may be laced or buckled, in the usual way of constructing lace and buckle shoes.

g g designate the quarters which are united by a seam *h* along the back of the shoe and connected in like manner to the vamp by the seam *i*.

j designates the elastic gore employed when the invention is constructed as a Congress shoe or gaiter, which gore may be of any desired form and size.

The advantages arising from my invention are that I am not only enabled to make a most shapely shoe, graceful in outline and well adapted to fit the foot of the wearer, by making the several parts of separate and distinct pieces, but the invention permits me to employ and utilize comparatively small pieces of stock in the construction of a desirable shoe, which have heretofore been unavailable. Furthermore, I am enabled by my invention to distribute the stock, as to quality, throughout the structure of the shoe to suit the requirements of wear. For example, I may put the most lasting and wear withstanding material in the vamp, which is the first part of the upper to give out. The next lowest grade of stock may be put in the quarters, and quite soft easy-feeling material may be employed in the instep part.

It is to be understood that my invention is not confined to a Congress shoe as herein shown, but may be employed in connection with a lace, or button shoe, or a low-quarter shoe, or any shoe adapted for use by women, misses or children, or men, youths or boys.

What I claim is—

A vamp for use in the manufacture of boots or shoes having substantially straight sides

and rounded toe portion, and having a semi-elliptical section removed from the rear portion thereof, and the opening *d* intersecting said semi-elliptical part where it is contracted
5 and gradually widened toward the toe, substantially wedge shaped, as and for the purpose set forth.

In testimony whereof I have signed my

name to this specification, in the presence of two subscribing witnesses, this 4th day of August, A. D. 1892.

HANS M. HANSEN.

Witnesses:

ARTHUR W. CROSSLEY,
N. ANDERSON.