M. M. HALLY.

MANUFACTURE OF BOOTS AND SHOES.

No. 249,467. Patented Nov. 15, 1881.

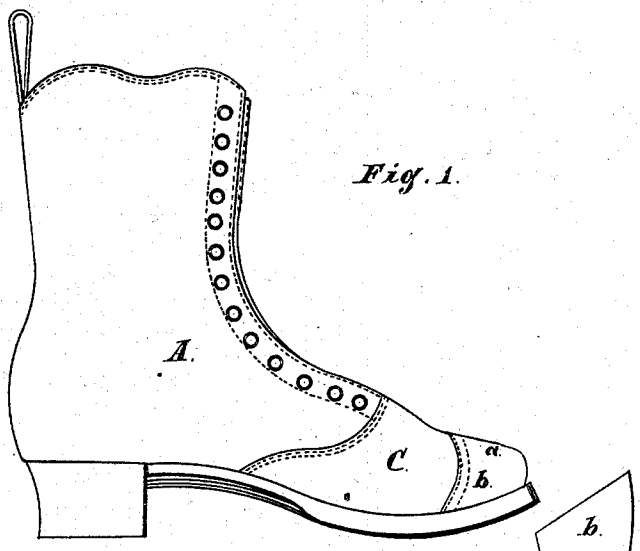


Fig. 1.

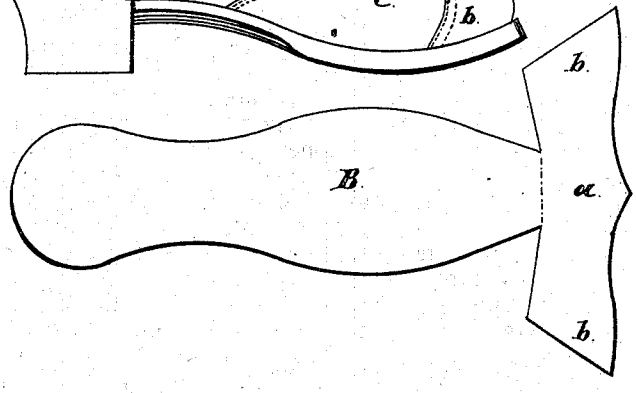


Fig. 2.

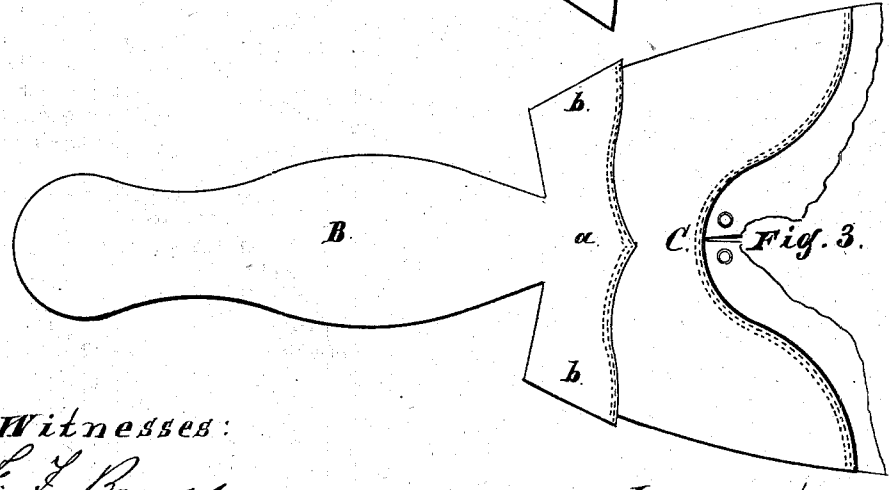


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

MICHAEL M. HALLY, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO CHARLES H. CRAM, OF SAME PLACE.

MANUFACTURE OF BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 249,467, dated November 15, 1881.

Application filed April 18, 1879.

To all whom it may concern:

Be it known that I, MICHAEL M. HALLY, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in the art of Manufacturing Boots and Shoes, of which the following is the specification, reference being had to the accompanying drawings, in which similar letters of reference indicate like parts in all the figures.

My invention relates to that class of boots and shoes in which an insole is extended and attached to a shortened upper.

Heretofore it has been the custom, in making boots and shoes in which an insole is used, to cut the insole the same shape as the last on which the shoe is to be formed and to last over the upper all around the shoe.

This method is objectionable, because of the trouble in lasting over the toe of the upper, the tendency of the leather being to pucker, and to make it fit smoothly over the toe of the last it has to be cut and notched, and it is frequently the case that the stitch or peg will fail to catch the notched upper thus lasted over, and it will turn out again.

The object of my invention is to provide a method by which the lasting over of the toe is avoided; and it consists of an elongated insole attached to a shortened upper and drawn down over the toe of the last.

I attain the objects of my invention by the following method.

In the accompanying drawings, Figure 1 represents a boot or shoe with an insole formed according to my invention. Fig. 2 shows the insole stricken out in blank, and Fig. 3 shows the insole stitched to the upper.

A designates the boot or shoe; B, the insole; C, the vamp. The insole B is provided with a prolongation, *a*, and wings *b*, as shown in Fig. 2.

In using my invention the upper of the boot or shoe is formed in the usual manner, except that it is shortened at the toe and placed over the last with the insole B stitched to the shortened part, as shown in Fig. 3. The insole is drawn down over the toe of the last and attached to the bottom of the last, as in the ordinary method. The insole, being wet, is soft and pliable and readily shapes itself without puckering over the toe of the last. The wings *b* and the balance of the upper is then drawn down and lasted over the insole, and the shoe is finished in the usual manner.

I am aware of the patent granted William F. Prusha and Elisha L. Wales, May 2, 1871, No. 114,340, and of the reissue No. 6,421 thereof granted May 4, 1875, and also to William B. Rice, No. 170,016, in which the sole of a boot or shoe is formed by striking up the edge of the sole all around and attaching it to the upper; or, in case a sole is used in which the stricken up part does not extend all the way around, an additional inner sole is used.

I am also aware of the patent granted Hugh White, February 16, 1875, No. 159,991, reissued May 28, 1878, No. 8,263, in which there is an extension of the outsole to protect the upper, or in which the tip is drawn down between the insole and the outsole.

I disclaim any method of avoiding the use of an insole, or of forming a protector for the toe of the shoe by extending the outsole, or any sole between the outsole and the insole, in which latter two cases the upper must be lasted over the insole.

I also disclaim any method of making a single-soled shoe, my sole object being to avoid the lasting of the toe in shoes in which an insole is used.

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

That improvement in the art of manufacturing boots and shoes in which a shortened vamp and an insole provided with a tip extension are employed, consisting in stitching the tip extension to the shortened vamp preparatory to lasting, so that the united parts may be drawn into position upon the last, all substantially as shown, and for the purposes described.

MICHAEL M. HALLY.

Witnesses:

THOMAS A. BANNING,

CH. J. HAINES,

CHARLES TRIPP.