

G. D. HILL.

Shoes.

No. 159,674

Patented Feb. 9, 1875.

Fig. 1

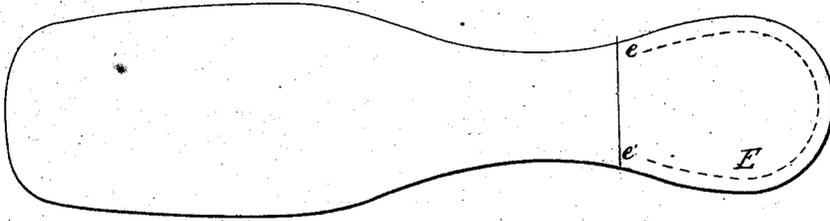


Fig. 2.

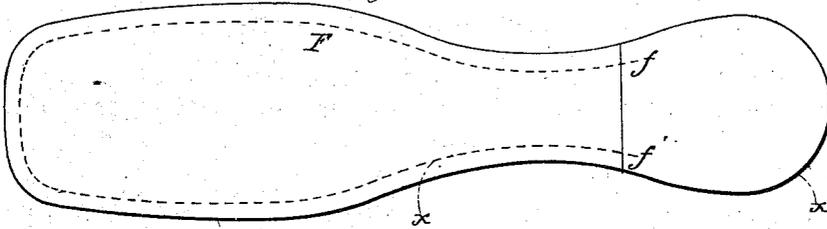
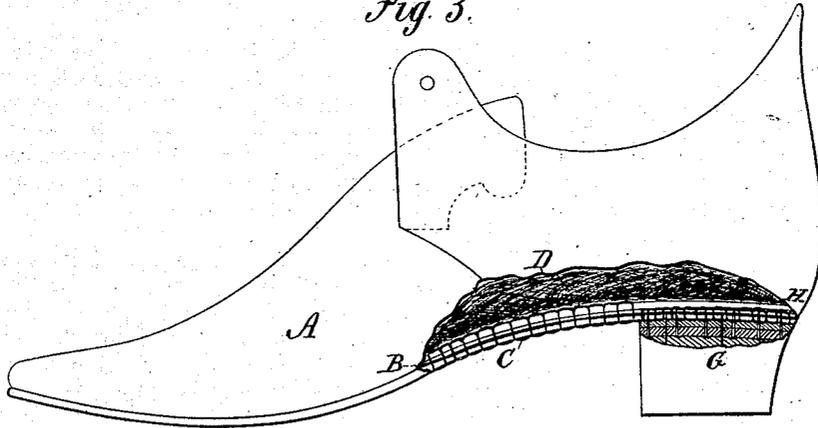


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE D. HILL, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF AND CHARLES F. HILL, OF SAME PLACE.

IMPROVEMENT IN SHOES.

Specification forming part of Letters Patent No. **159,674**, dated February 9, 1875; application filed January 27, 1875.

To all whom it may concern:

Be it known that I, GEORGE D. HILL, of Baltimore city, State of Maryland, have invented a new and useful Improvement in the Manufacture of Shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figures 1 and 2 are inside plan views, showing, respectively, the heel-seam and the sole-seam. Fig. 3 is a side elevation partly broken away, the line of section being in line *xx* of Fig. 2.

The invention will first be fully described, and then pointed out in the claim.

A represents the upper of a shoe or boot, lasted and tacked, as usual, to a middle sole, B, while C is the outsole, and D an insole, to prevent annoyance of the foot. I first sew the middle sole B and outsole C together by the heel-seam E, running only from *e* to *e'*, then superposing thereon an insole, D, and sewing all three together by the seam F, ex-

tending from *f* to *f'*. After this I attach the heel to the soles B C by tacks G that protrude therethrough, strike a metallic plate, H, and are clinched, the plate H being then withdrawn.

It will be observed that with my invention a leather-board, pasteboard, or any other like inexpensive material, may be used as a lasting-sole, the requisite stiffness at the heel being given to it by one or more superposed thicknesses of the same or analogous material.

What I claim as new and of my invention is—

A boot or shoe having its soles united by a line or lines of stitches passing, at the heel portion, through outer and middle soles only, and from the breast of the heel around the toe, passing through the outer, the middle, and the insole, substantially as described.

GEORGE D. HILL.

Witnesses:

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