

C. F. HILL.

Lasts for Boots and Shoes.

No. 165,330.

Patented July 6, 1875.

Fig. 1.

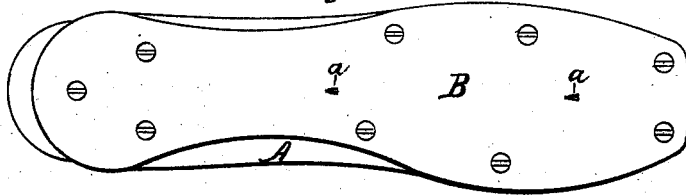


Fig. 2.

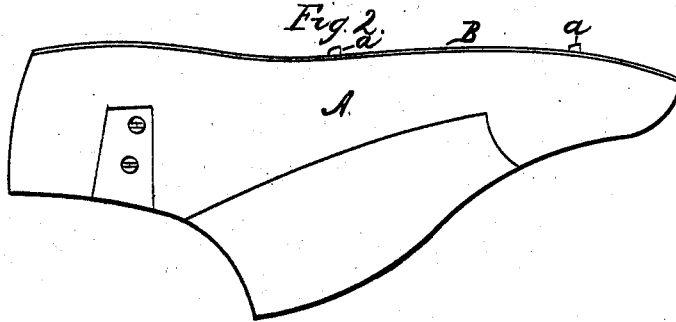


Fig. 3.

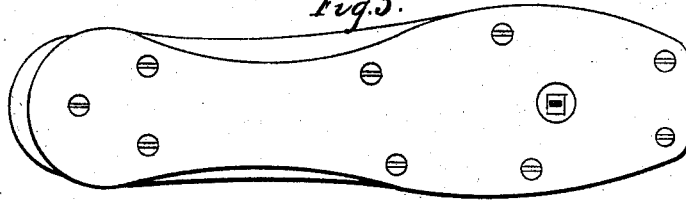


Fig. 4.



WITNESSES:

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IMPROVEMENT IN LASTS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **165,330**, dated July 6, 1875; application filed May 21, 1875.

To all whom it may concern :

Be it known that I, CHARLES F. HILL, of Baltimore city, State of Maryland, have invented a new and Improved Boot and Shoe Last; 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—

Figure 1 is a plan view of the bottom of a last whose plate is provided with the knife-edge points; Fig. 2, a side elevation of the same; Fig. 3, a plan view of an old form of last provided with my improvement; Fig. 4, a detail of a knife-edge point having a screw-threaded shank to adapt my improvement to the old form of last.

This invention relates to certain improvements in lasts for boots and shoes; and it consists in attaching to the metallic plate upon the bottom of the last points which receive and hold the lasting-sole while the upper is being attached to the same. Said points have a sharp knife's edge upon the side next the heel, so that when the shoe is finished, and the last is to be withdrawn, the said points cut a slight gash in the sole and allow the last to be withdrawn.

In the drawing, A represents an ordinary last, having a metallic bottom plate, B, against which the pegs or nails are clinched in tacking on the sole, as usually constructed. The said plate has an opening near the center, exposing a portion of the wooden last, through which a tack is usually driven to hold the sole while the upper is being lasted to the same.

The wood which is exposed through said hole, however, soon becomes so punctured by the nails that it ceases to hold the sole with sufficient security. To obviate this difficulty I dispense with both the tacks and the hole in the plate, and in the place of them, construct upon the plate sharp points *a*, which penetrate the sole and hold it securely during the lasting operation. These said points may be either permanently or detachably fixed to the metallic plate and are reduced, upon the side next the heel, to a knife's edge, so that when the shoe is finished there will be no difficulty in removing the last, the knife-edge points cutting slight gashes until the last is far enough withdrawn for them to clear the sole. To lasts which have metallic bottom plates already provided with holes my invention may be applied by making the knife-edge points with screw-threaded shanks, as shown in Fig. 4, which may be screwed into the punctured wood through the holes in the plates, thus securing for the old form of last all of the advantages of my improvement without the cost of alteration.

Having thus described my invention, what I claim as new is—

The combination, with the metallic plate B, of the points *a*, having their rear sides reduced to a knife's edge, substantially as described, and for the purpose set forth.

CHARLES F. HILL.

Witnesses:

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