No. 698,289. Patented Apr. 22, 1902.

J. J. JONES.

HEEL LIFT FOR SHOES.

(Application filed Dec. 8, 1899. Renewed Jan. 10, 1902.)

(No Model.)

Fig. 4.

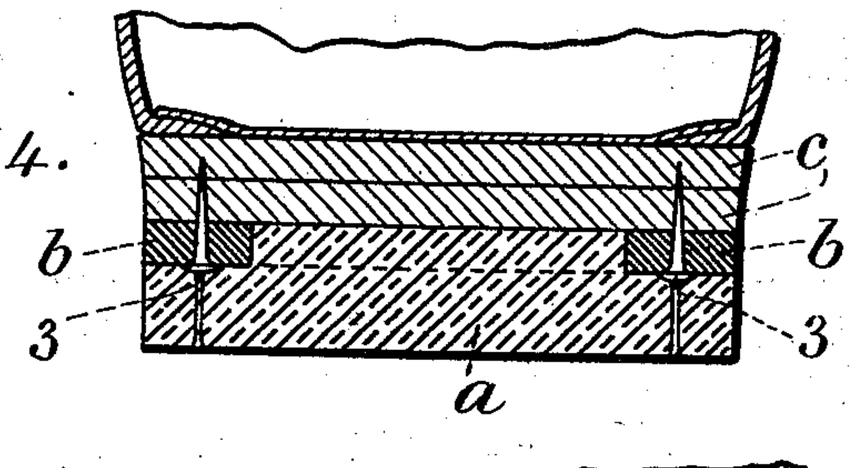


Fig. 3.

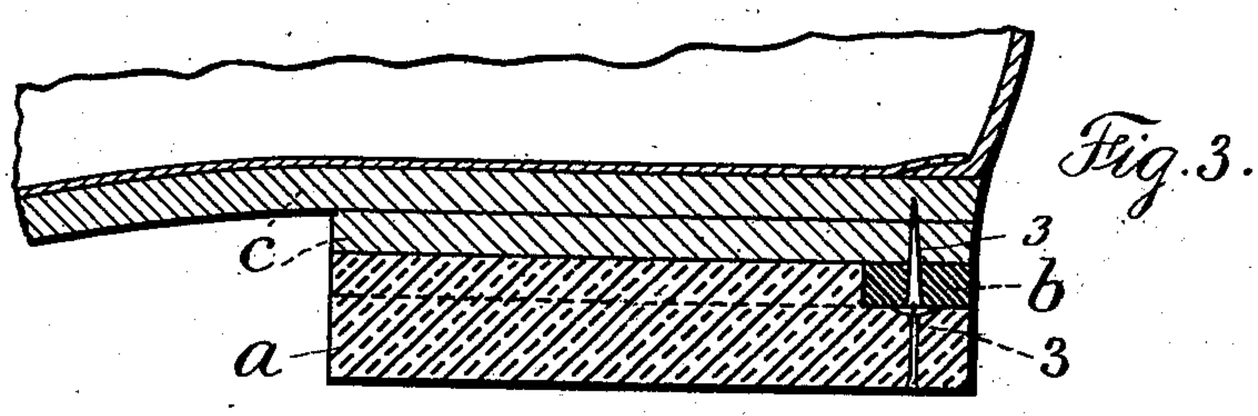


Fig. 2.

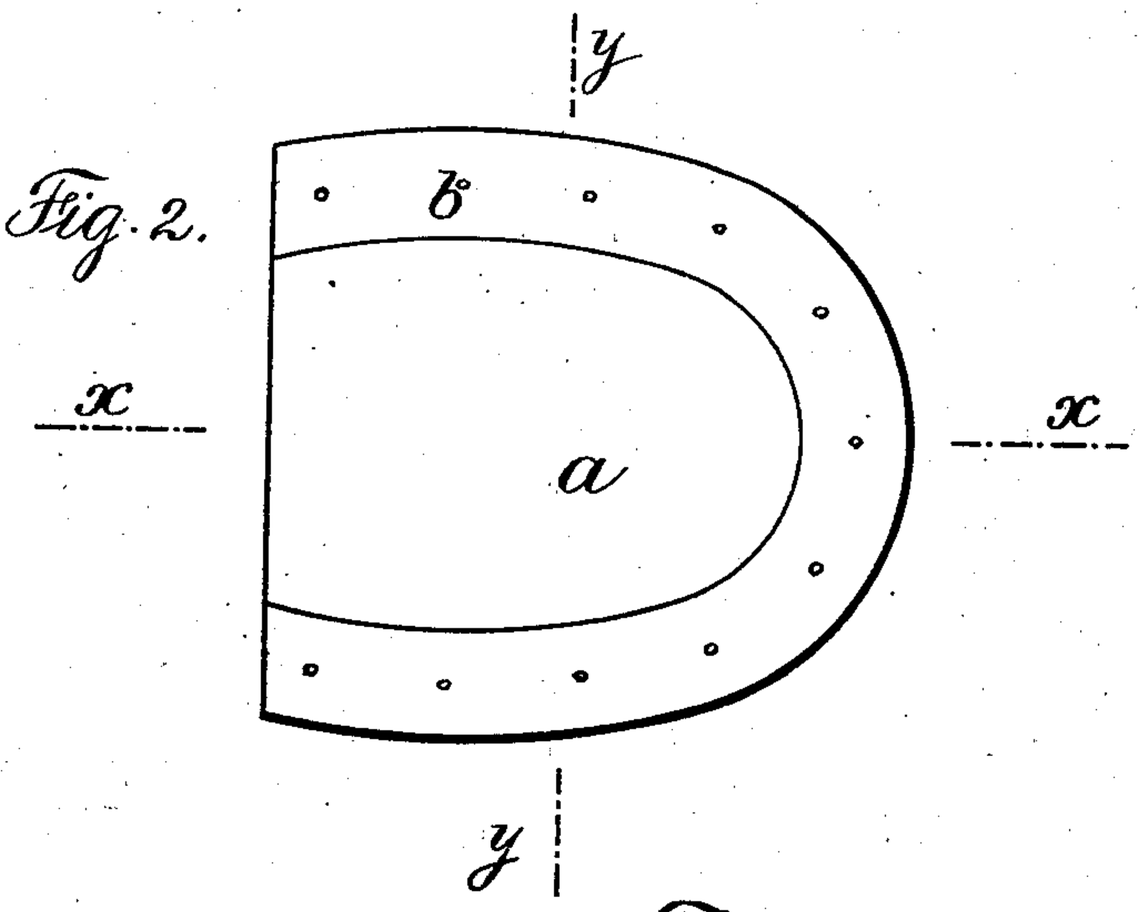
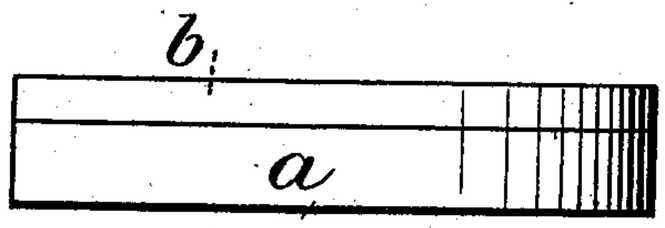


Fig. 1.



Witnesses:
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UNITED STATES PATENT OFFICE.

JACOB J. JONES, OF NEW YORK, N. Y.

HEEL-LIFT FOR SHOES.

SPECIFICATION forming part of Letters Patent No. 698,289, dated April 22, 1902.

Application filed December 8, 1899. Renewed January 10, 1902. Serial No. 89,092. (No model.)

To all whom it may concern:

Be it known that I, JACOB J. JONES, a citizen of the United States, residing at the city of New York, in the county and State of New York, have invented a new and useful Improvement in Heel-Lifts for Boots or Shoes, of which the following is a specification.

In my former patent of March 30, 1886, No. 339,060, a rubber lift of varying thicknesses was fastened to the leather heel of a boot or shoe, the said heel being prepared and shaped by the shoemaker to receive the said rubber lift, which was afterward secured thereto by cement. The shaping of the heel and the fitting and cementing of the rubber lift were attended with expense, loss of time, and inconvenience. Besides, it was difficult to effect a fully satisfactory joint; and the object of my present invention is to overcome these difficulties.

My invention is a new article of manufacture, and in carrying out the same I connect a layer of leather and a layer of rubber permanently together to form a composite lift. These parts are shaped and connected at the place of manufacture by methods well known in the art—that is to say, by suitable cement and pressure, allowing ample time for the same to thoroughly dry. These composite lifts are sold as an entirety ready to be nailed to the heel of a boot or shoe, the same requiring no special skill on the part of the shoemaker, and after attachment the edge may be trimmed and blackened as usual.

The layer of rubber is formed in a suitable mold and one flat surface is provided with a marginal recess in which is fitted and to which is cemented a layer or strip of leather, the cement securing the layer of rubber and the layer of leather together both at the flat meeting faces and at one edge of the leather strip or layer. This leather layer is of approximately a horseshoe shape and the same occupies a position to receive through it the nails which secure the lift to the heel of the boot or shoe in the position in which such nails are usually placed in connecting the various lifts of a heel, the nails passing through the rubber and the heads setting against the surface of the leather.

In the drawings, Figure 1 is an elevation, and Fig. 2 a plan, illustrating my invention. Fig. 3 is a vertical longitudinal section at the line $x\ x$ of Fig. 2, and Fig. 4 a vertical cross-section at $y\ y$ of Fig. 2, illustrating my invention as attached to the heel of a boot or shoe and as indicating the tread-surface of the composite lift.

The layer of rubber a and the layer or strip of leather b are permanently connected together at the place of manufacture by cement upon the adjoining surfaces, the parts being held together by pressure until thoroughly set and dry. The layer of rubber is molded of the desired thickness, preferably smooth on one flat face, which forms the tread-surface, the other and opposite face being provided with a marginal recess—that is to say, a surface recess following the horseshoe contour of the rubber lift extending around the outer portion. The layer or strip of leather b is cut out to conform to the shape of the marginal recess, and the same fits the said recess with exactness, and when the parts are held together the cement intervenes between the flat faces and the edges, so that the parts are held together at two points. The leather strip or layer is of liberal proportions, first, to provide for trimming and, mainly, to provide a liberal width of leather, through which the nails 3 in the usual position of connecting heel-lifts are driven, the said nails passing through the rubber and the leather strip or layer b into the usual leather lifts c of a heel, with the heads of the nails embedded in the rubber and seated against the surface of the leather. The rubber closes together over the nail-heads after the passage of the nails. In this manner it is possible to securely hold a composite lift of rubber and leather to the heel of a boot or shoe. An entire layer of leather upon one surface of the rubber layer is not so essential, because through the center part of the heel it is not usual to drive connecting-nails, the strip of the present invention providing amply for the main or outer row of nails.

I am aware that it is not new to connect a layer of rubber and an entire surface layer of leather together by cement for forming a composite lift for the heel of a boot or shoe and also that it is not new to make holes through the rubber layer of the said lift and to place therein metal washers which form

seats for the heads of connecting-nails, and I distinctly disclaim such construction.

I claim as my invention—

1. As a new article of manufacture, a heel-lift for boots and shoes comprising a layer of rubber having a flat tread-surface and the opposite surface provided with a marginal recess and a layer or strip of leather of horseshoe form fitting the said marginal recess and cemented thereto at the flat opposing surfaces and edges, substantially as set forth.

2. As a new article of manufacture, a heel-lift for boots and shoes comprising a layer of rubber having a flat tread-surface and the opposite surface provided with a marginal recess, and a layer or strip of leather of horseshoe form fitting the said marginal recess and cemented thereto, substantially as set forth.

Signed by me this 6th day of December, 1899.

JACOB J. JONES.

Witnesses:

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