

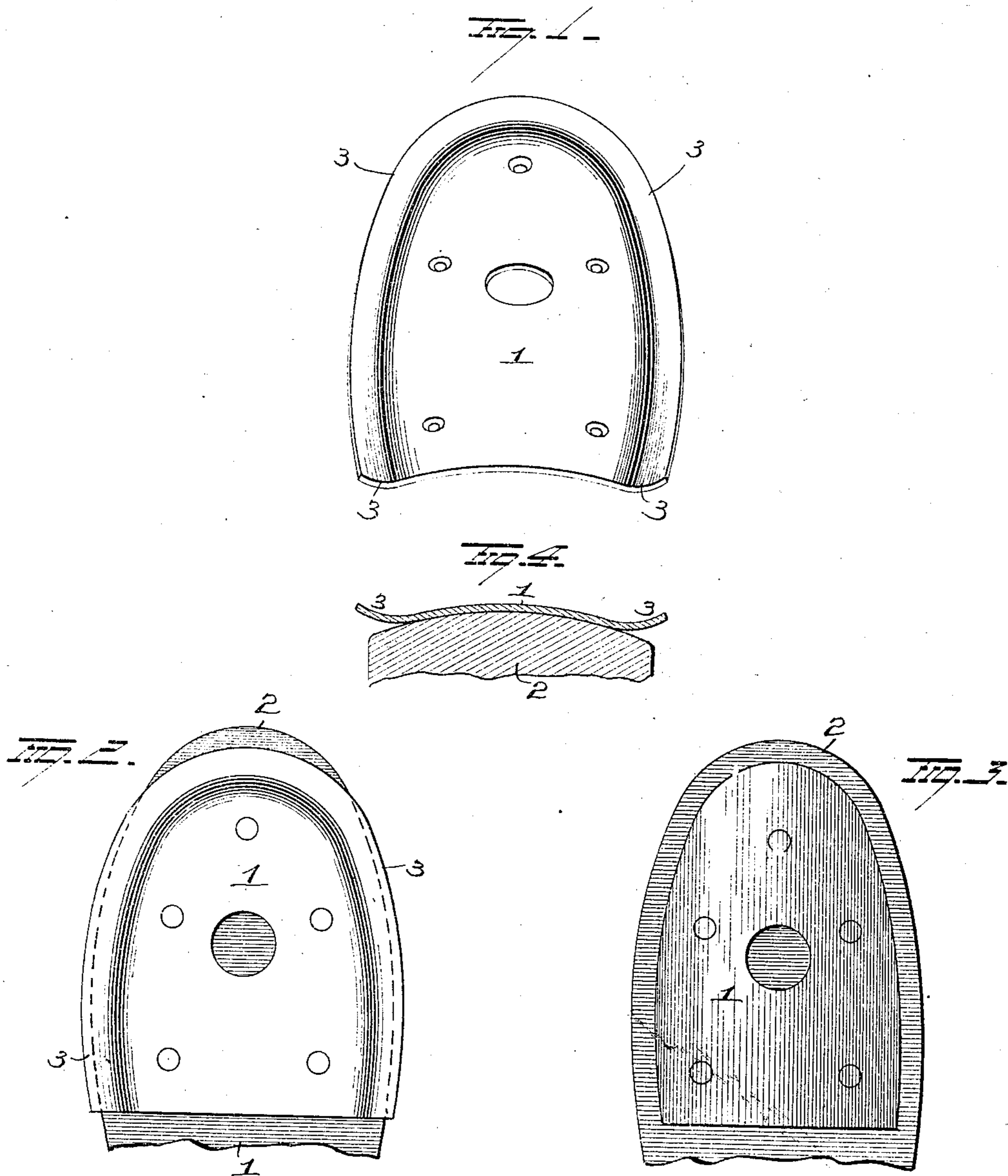
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PATENTED MAR. 3, 1908.

F. E. BENTON.

SHOE LAST.

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WITNESSES
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TO WOODWARD AND WRIGHT, OF CAMPELLO, MASSACHUSETTS.

SHOE-LAST.

No. 880,711.

Specification of Letters Patent.

Patented March 3, 1908.

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To all whom it may concern:

Be it known that I, FRANCIS E. BENTON, of Stoughton, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Shoe-Lasts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in the manufacture of shoe lasts and more particularly to the manner of application of a nailing-plate to the heel portion of the last, the object of the invention being to apply a nailing-plate to the heel of a last in such manner as to avoid projecting edges which might injure the lining of a shoe when the last is withdrawn from the latter.

With this object in view, the invention consists in the manner of applying a nailing-plate to the heel portion of a last as hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of a nailing plate showing its form before it is secured to the last. Fig. 2 is a view of the plate secured to the heel portion of a last and prior to shaping same; Fig. 3 is a view of a portion of a last showing the nailing plate in its finished condition applied thereto, and Fig. 4 is a view in transverse section of Fig. 2.

Heretofore it has been customary to fit a nailing-plate to the heel portion of a last so that its edge will conform or aline with the edge of the last. In the manufacture of shoes, much difficulty and annoyance have been caused by the edge of the nailing plate engaging and marring the lining of the shoe while the last is being withdrawn therefrom. In order to avoid this difficulty and to be able to apply a nailing plate to any last without first shaping the plate to fit the last, I take a plate 1, such as shown in Fig. 1 and preferably of a size slightly greater than the bottom of the heel-portion of the last 2, and bend it at its side edges so that it will present lips or flanges 3 which project slightly outward when the plate has been secured to the last. When the plate thus formed has been secured to the last by means of suitable fas-

tening devices, spaces are left between the outwardly projecting lips 3 and the bottom of the heel portion of the last as shown in Fig. 2. These spaces will permit the insertion of one of the blades of a pair of shears, which will be employed to trim off the flanged portion close to the juncture thereof with the body portion of the plate 1. This will leave a very slight outward projection on the plate, removed slightly inward from the side edges of the heel of the last thus leaving a margin of the last projecting beyond the plate. These slight outward projections will now be hammered down so as to cause the edge of the plate to lie closely against the bottom of the heel of the last and when the last is used in the manufacture of shoes, the outer edge of the nailing plate will be disposed somewhat inwardly from the outer edge of the heel portion of the last. When the slight outward projections above referred to are hammered down, any rough edges which might have been left during the process of shearing off the lips or flanges 3, will be removed.

In applying the plate the rear edge thereof is set forward of the rear edge of the last as shown in Fig. 2, so that subsequent turning is only necessary at the sides.

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:—

1. The method herein described, consisting in forming a flange or lip at the side edges of a heel plate, securing said heel plate to a last, and trimming off the flanges inwardly of edges of the heel portion of the last.

2. The method herein described, consisting in forming a flange at the side edges of a heel plate, securing said heel plate to a last, trimming off the greater portion of said flanges and then hammering the edge of the plate against the bottom of the heel portion of the last.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

FRANCIS E. BENTON.

Witnesses:

MARY R. KNOWLTON,
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