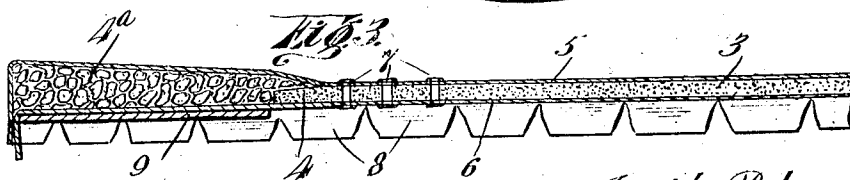
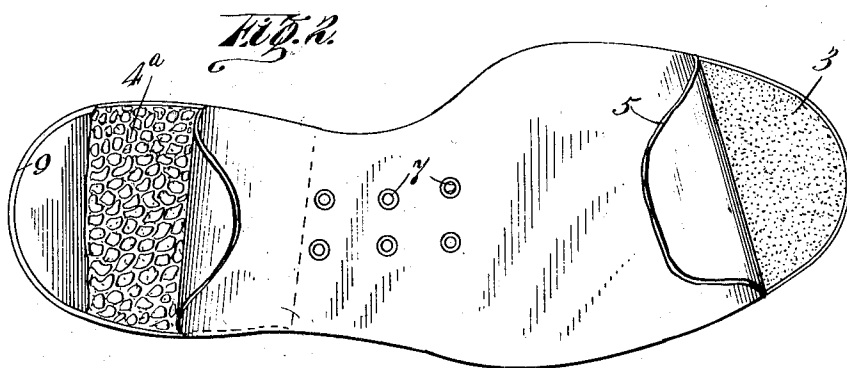
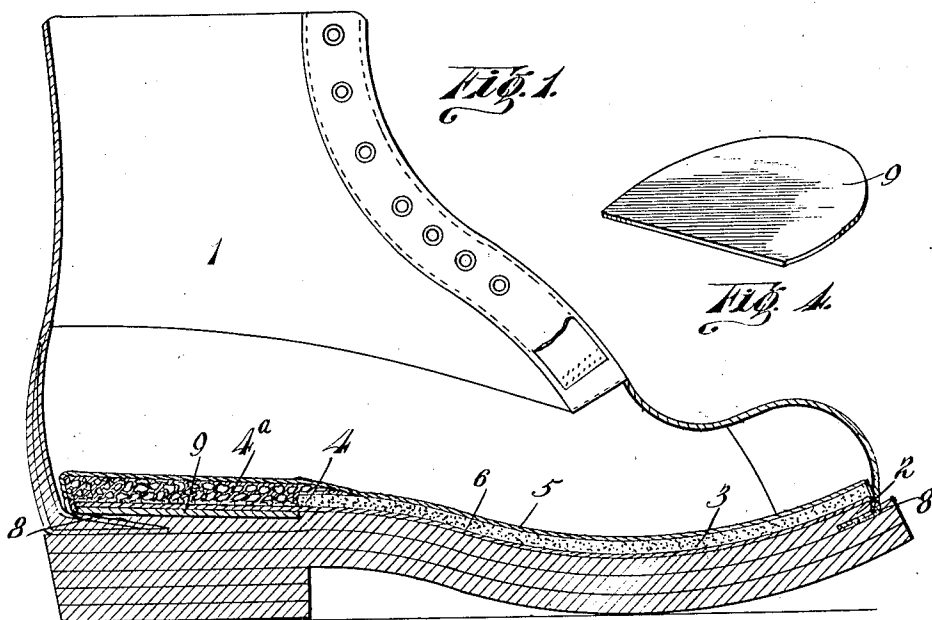


No. 856,387.

PATENTED JUNE 11, 1907.

J. BELANGER.
INNERSOLE FOR SHOES.
APPLICATION FILED JAN. 25, 1906.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH BELANGER, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR TO J. BELANGER, LABINE & COMPANY, OF SPRINGFIELD, MASSACHUSETTS, A FIRM.

INNERSOLE FOR SHOES.

No. 856,387.

Specification of Letters Patent.

Patented June 11, 1907.

Application filed January 25, 1906. Serial No. 297,749.

To all whom it may concern:

Be it known that I, JOSEPH BELANGER, a subject of the King of Great Britain, residing at Springfield, in the State of Massachusetts, United States of America, have invented certain new and useful Improvements in Innersoles for Shoes; and I do hereby declare that the following is 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 shoes; the object of my invention is to provide an inner sole for shoes which is impervious to dampness and which is resilient for a portion of its length; a further object is to provide an inner sole with a means for attaching the same under the regular insole of an ordinary form of shoe and to provide it with means for preventing the nails of the heel of the shoe cutting into the inner sole; a further object is to provide the inner sole with means for permitting the escape of air from between it and the insole of the shoe to which it is attached; and, my invention consists of the construction, combination and arrangement of parts, as herein illustrated, described and claimed.

In the accompanying drawings forming part of this application, I have illustrated one form of embodiment of my invention, in which drawings similar reference characters designate corresponding parts, and in which:

Figure 1 is a longitudinal vertical section through a shoe of ordinary construction, showing the application of my invention; Fig. 2 is a plan view of an inner sole of my invention, one of its coverings being turned back at both ends and a portion of its resilient body being broken away; Fig. 3 is a longitudinal vertical section through the inner sole of my invention, showing the projecting tabs in elevation; and, Fig. 4 is a perspective view of a metallic plate used in my invention.

Referring to the drawings, 1 designates a shoe of ordinary construction provided with a common form of insole 2.

3 designates a body or layer of cork having a tapered end 4. The layer of cork forms the body portion of my improved inner sole and provides a substance which is at once light in weight, flexible and impervious to moisture. The tapered end 4 of the cork

body is enveloped by one end of a conglomerated rubber body 4^a having air spaces, and commonly called rubber sponge. This rubber body is disposed in a layer in the heel portion of the inner sole and forms an elastic cushion for the heel of the wearer of the shoe and tends to take up the jar of the impact of the heel in the act of walking.

Covering the upper surface of the bodies 3 and 4^a is a layer of thin soft leather 5, preferably either chamois or dressed kid. Covering the lower surface of the bodies 3 and 4^a is a layer of fabric, preferably linen. These parts may be bound together by any ordinary means such as shoemaker's cement. Disposed through the cork body 3 and the layers 5 and 6 of leather and fabric are eyelets 7 adapted to permit the passage of air from beneath the inner sole. The covering 5 of leather extends past the edges of the bodies 3 and 4^a and terminates in tabs 8 adapted to be inserted beneath the insole 2 of the common form of shoe, whereby the inner sole of my invention may be firmly held in place. The inner sole may be further attached by means of shoemaker's cement. For the purpose of protecting the under surface of the rubber body 4^a I provide a metallic plate 9.

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

In an inner sole for shoes, a heel portion comprising a layer of rubber sponge having a tapered end, a metallic plate beneath the rubber layer, a body portion comprising a layer of cork one end of which extends underneath the tapered end portion of the rubber layer, a layer of fabric on the lower side of said heel and body portions, a layer of leather provided with extended securing tabs on the upper side of said heel and body portions adapted to be inserted beneath the common insole of a shoe, and a plurality of eyelets extending through the body of cork and the layers of fabric and leather, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

JOSEPH BELANGER.

Witnesses:

WILLIAM WRIGHTMYER,
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