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INSOLE.
APPLICATION FILED NOV. 13, 1912.

1,158,693. Patented Nov. 2, 1915.

Fig. 2.

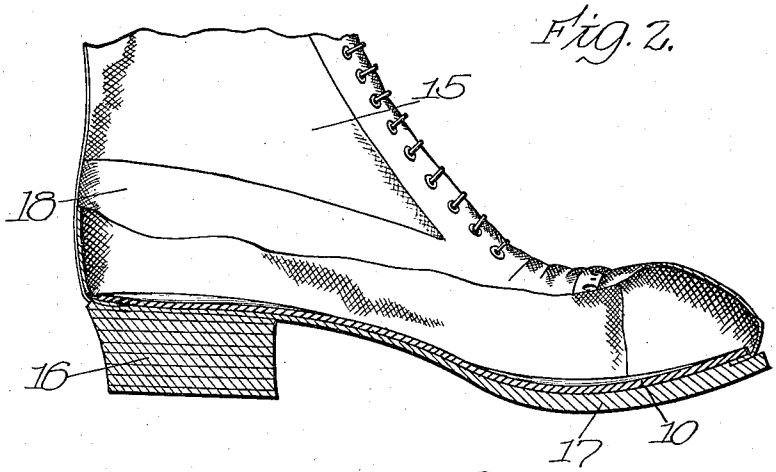


Fig. 1.

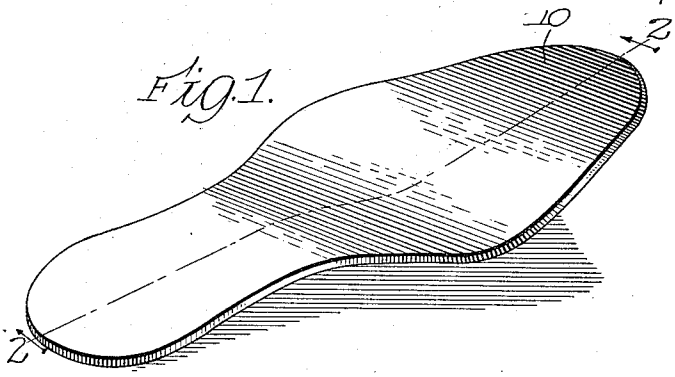
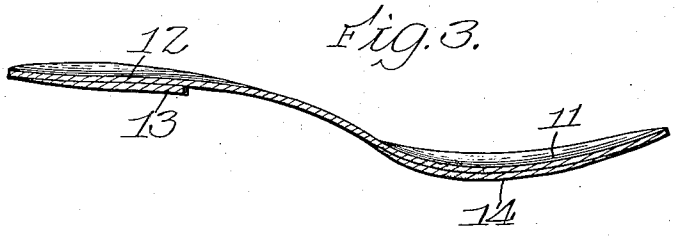


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

CHRISTIAN J. LANDOLT, OF LOUISVILLE, KENTUCKY, ASSIGNOR OF ONE-HALF TO CHARLES E. GEIGER, OF LOUISVILLE, KENTUCKY; EMMA LANDOLT ADMINISTRATRIX OF SAID CHRISTIAN J. LANDOLT, DECEASED.

INSOLE.

1,158,693. Specification of Letters Patent. Patented Nov. 2, 1915.

Application filed November 13, 1912. Serial No. 731,046.

To all whom it may concern:

Be it known that I, CHRISTIAN J. LANDOLT, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Insoles, of which the following is a specification.

This invention relates to insoles for shoes and similar foot coverings, and has for its object the provision of an efficient insole.

The invention consists substantially in the construction and arrangement of parts as hereinafter more fully described, illustrated in the accompanying drawings, and more particularly set forth in the claims.

In the drawings similar reference letters refer to the same parts in which—

Figure 1 is a perspective view of the insole. Fig. 2 is a side elevation of a shoe with part of the same in longitudinal section on the line 2—2 Fig. 1. Fig. 3 is a central longitudinal section of my improved insole showing the reinforced form thereof.

Reference numeral 10 indicates an inflexible removable insole for shoes manufactured in such manner as to conform closely to the shape and size of the shoe in which it is adapted to be used and constructed of a single piece of material.

Reference numeral 11 is an inflexible removable insole for shoes manufactured in such manner as to conform closely to the shape and size of the shoe in which it is adapted to be used and constructed of a plurality of pieces of material 12, 13, and 14.

In the manufacture of this insole it is ordinarily constructed on the same last upon which the shoe in which it is adapted to be used was made. Its rigidity, combined with its conformation in size and shape to the shoe in which it is to be used, retains the shape of the shoe against those pressures of the human foot which tend to distort the shoe, thus making it possible for a shoe which has been much worn to retain its original shape. Its rigidity likewise lengthens the life of the shoe by removing that constant strain between the upper of the shoe and the sole which so quickly separates the sole and the upper. The insole is made of a sheet of metal, thin wood, or other like material having sufficient rigidity to retain its shape in use and still be flexible enough to prevent making shoes containing them uncomfortable to the wearer. I preferably construct the insole of a thin piece of material 12, conforming closely in size and shape with the upper surface of the sole 17 and secure a piece of thin material 13 to the under side of the heel portion thereof. The piece 13 has all of its edges, except its front edge, made thin or skived off and lying against the underside of sheet 12. Under the ball portion of the sheet 12 I secure a thin piece of material 14 similar to piece 13 except that it is skived off around all of its edges. The provision of pieces 13 and 14 renders the heel and ball portions of the insole sufficiently rigid to prevent such portions from losing their shapes in use and leaves the instep portion of the insole, which is not so likely to lose its shape, sufficiently flexible so that a shoe in which the insole is used, will not be materially stiffened.

In the accompanying drawings and in the foregoing description are set forth preferred embodiments of my invention, but it is obvious that any one skilled in the art may make modifications of the same without departing from the principle of the invention.

What I claim and desire to secure by Letters Patent, is:

1. An insole for shoes comprising a sheet of material conforming with the inner surface of the sole of a shoe, a piece of reinforcing material disposed on the under side of and secured to the heel portion of said sheet, and a piece of reinforcing material spaced from said first mentioned piece of material and secured to the under side of the sheet at the ball portion of the insole.

2. An insole for shoes comprising a sheet of material conforming with the inner surface of the sole of a shoe, a piece of material tapering toward all of its edges except the edge thereof toward the toe of the insole and secured to the heel portion of said sheet, and a piece of material spaced from and secured to the under portion of the sheet, adapted to support the ball of the foot of a person.

3. An insole for shoes comprising a sheet of material conforming in size and shape with the inner surface of the sole of a shoe, a piece of material tapering from its central portion to all of its edges and secured to the portion of the sheet adapted to sup-

port the ball of the foot of a person, and a piece of material tapering toward all of its edges except the edge thereof toward the toe of the insole and secured to the heel portion of said sheet.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 2 day of November A. D. 1912.

CHRISTIAN J. LANDOLT.

Witnesses:
JOSEPHINE TAGGART,
HELEN E. LANDOLT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."