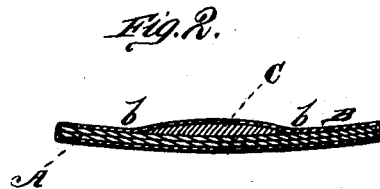
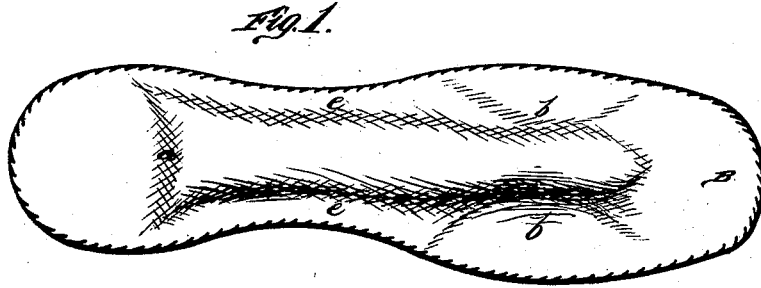


T. S. MATTOCKS & J. WISE.
Insole for Boots and Shoes.

No. 199,842.

Patented Jan. 29, 1878.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS S. MATTOCKS AND JUDSON WISE, OF LOGAN, OHIO.

IMPROVEMENT IN INSOLES FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **199,842**, dated January 29, 1878; application filed January 5, 1878.

To all whom it may concern:

Be it known that we, THOMAS S. MATTOCKS and JUDSON WISE, of Logan, in the county of Hocking and State of Ohio, have invented a new and valuable Improvement in Insoles for Boots and Shoes; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of our insole for boots and shoes, and Fig. 2 is a transverse vertical section through *b b*.

The nature of our invention consists in the construction of an insole or slip-sole for boots and shoes, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate our invention.

A represents the main part of the sole, made of pasteboard or other suitable material, and covered with cloth B. On the upper side, between the sole A and covering B, is fastened a piece of leather, C, cut substantially in the form shown. This leather piece forms a raised part along the center on top of the slip-sole, said raised part commencing just forward of the heel, forming a shoulder, *a*, to keep the foot from crowding forward. The raised part C then extends forward from the heel toward the toe, filling the hollow in the bottom of the foot and equalizing the weight.

The upper surface of the sole appears to have depressions *b b* on each side of the raised

part C, at the front end thereof, and also a depression, *e*, running along each side backward to the heel. These depressions are formed by the contour of the raised portion C, which is such as to fit the foot exactly, having its edges beveled, and causing the weight of the body to be distributed equally upon all parts of the foot.

The entire sole is portable, and will move with the foot if it should happen to slip a little in the boot.

We do not confine ourselves to any particular material of which the sole is to be made; neither do we confine ourselves to making it of a certain number of pieces. That will all depend upon practical experiments in the further manufacture of the soles. For instance, the sole may be made of a single piece of leather, having its upper surface cut out to form the depressed portions and central raised part.

What we claim as new, and desire to secure by Letters Patent, is—

An insole or slip-sole for boots and shoes, constructed on its upper surface with a central raised portion, forming depressions in front and rear and on the sides thereof, substantially as and for the purposes herein set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

THOMAS S. MATTOCKS.
JUDSON WISE.

Witnesses:

S. H. BURGHY,
G. W. BREHM.