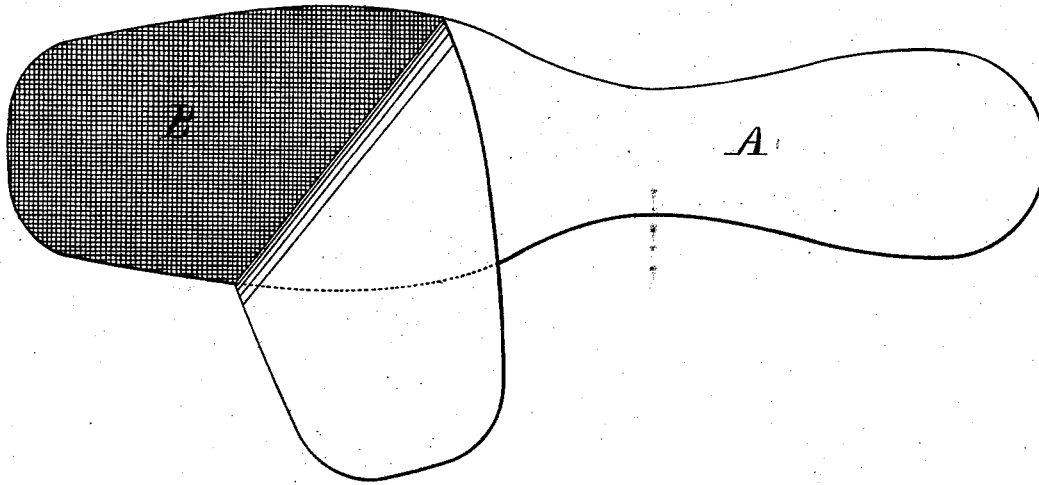


G. H. LEVIS,  
Insole for Boots and Shoes.

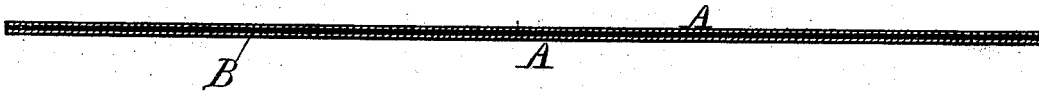
No. 198,989.

Patented Jan. 8, 1878.

*Fig. 1.*



*Fig. 2.*



WITNESSES

*Wm. S. Utley*  
*Chas. Munnick*

INVENTOR

*George H. Lewis*  
*By J. J. Maloney*  
his ATTORNEY

# UNITED STATES PATENT OFFICE.

GEORGE H. LEVIS, OF PHILADELPHIA, PA., ASSIGNOR TO DOMESTIC REFRIGERATOR AND PIPE COVERING COMPANY, OF SAME PLACE.

## IMPROVEMENT IN INSOLES FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **198,989**, dated January 8, 1878; application filed November 9, 1877.

*To all whom it may concern:*

Be it known that I, GEORGE H. LEVIS, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Inside Soles for Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention consists in a new and improved manner of constructing inside soles for boots and shoes.

In the drawings, Figure 1 represents a cross-section of my improved inside sole; Fig. 2, a plan view of the same.

A represents the outside of the sole, formed of paper which has been treated by immersion in silicate of soda. B represents tarleton or any other reticulated material, its object being to give rigidity and strength to the sole.

It is found in practice that inside soles constructed in the manner described by me will add more to the warmth of the foot, besides excluding dampness better than any now known, and are comfortable to the wearer, being light, and not cumbersome like those now in use.

In practice I sometimes paint the outside of the sole with a silicate paint, or a compound formed of glycerine and shellac, so as to increase its durability.

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

An insole having a center of any reticulated material, and a covering or outside formed of paper treated in the manner described, and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

GEORGE H. LEVIS.

Witnesses:

A. L. MERRIMON,  
J. W. HAMILTON JOHNSON.