

A. M. DANIELS.
Water-Proof Insoles for Boots and Shoes.

No. 195,886.

Patented Oct. 9, 1877.

Fig. 1.

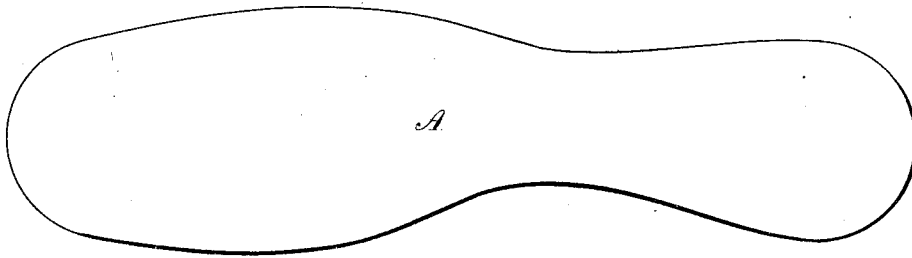
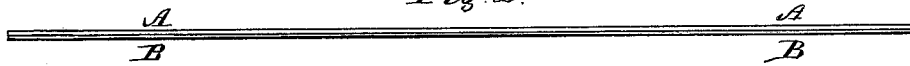


Fig. 2.



Witnesses.

John J. Peters
Frank W. Wood

Inventor.

Arms M. Daniels
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UNITED STATES PATENT OFFICE.

AARON M. DANIELS, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN WATER-PROOF INSOLES FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **195,886**, dated October 9, 1877; application filed August 31, 1877.

To all whom it may concern:

Be it known that I, AARON M. DANIELS, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Insoles; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My improvement relates to insoles, such as are usually placed in boots and shoes to protect the feet of the wearer from dampness.

Its object is to provide an insole that shall be water-proof, and at the same time adhere firmly to the sole of the boot or shoe, in which it is placed readily and without trouble to the purchaser.

My invention consists in coating the under side of the insole with a water-proof preparation, which has also the property of partially melting by the warmth of the foot, so as to cause it to adhere to the sole of the boot or shoe after it has been once worn.

In the accompanying drawing, Figure 1 shows a top view, and Fig. 2 shows a side view, of my improved insole.

A is the main body of the insole, which is made of felt, of the kind ordinarily used for this purpose. Upon the under side of this is spread a layer, B, of water-proof cementing material, composed of pulverized rosin, mixed with sufficient adhesive substance to allow of its being spread upon and form a coating upon the under side of the felt. The mixture that I have found most convenient for this purpose is equal parts of powdered rosin and common flour paste; but the exact proportions are not material. The principal ingredient is the rosin, which forms the base of the water-proof attaching-cement, the paste or other adhesive substance only forming a vehicle for distributing and retaining the rosin upon the felt until such a time as it may be placed in a shoe for use.

What I claim as my invention is—

An improved article of manufacture, consisting of an insole provided upon its under or attaching surface with a coating of cement or other suitable substance, adapted, by means of the warmth of the foot, to adhere to the sole of the boot or shoe, substantially as set forth.

A. M. DANIELS.

Witnesses:

THEO. G. ELLIS,
JOHN T. PETERS.