(No Model.)

E. WAITE.

REMOVABLE LINING FOR BOOTS AND SHOES.

No. 250,114. Patented Nov. 29, 1881.

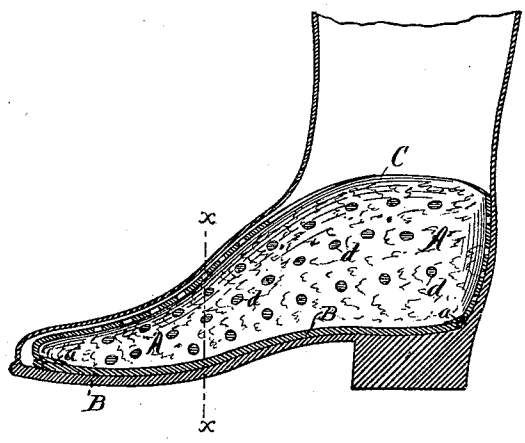


Fig. 1.

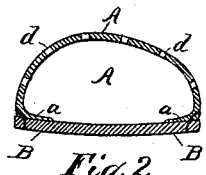


Fig. 2.

Witnesses:
Wm. Littel.
John R. Snow.

Inventor:
Enoch Waite
by Wm. A. Macleod
his atty.

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UNITED STATES PATENT OFFICE.

ENOCH WAITE, OF FRANKLIN, MASSACHUSETTS.

REMOVABLE LINING FOR BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 250,114, dated November 29, 1881.

Application filed April 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, ENOCH WAITE, of Franklin, county of Norfolk, and State of Massachusetts, have invented an Improved Removable Lining for Boots and Shoes, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, of which—

Figure 1 is a lengthwise section of the foot of a rubber boot with my removable lining inside. Fig. 2 is a section (of the lining only) on line *x x*, Fig. 1.

My improved lining, below described, is made of felt, and is designed more especially to be worn with rubber boots or shoes which have no secured lining. It may, however, be worn with the secured linings without losing its desirable features.

The drawings will be understood by reference to the description following.

The article itself will be best understood by a description of the mode of manufacture.

The process of making my lining is as follows: I use two pieces of felt, one of which forms the upper, the other the sole. Both pieces are thoroughly moistened and sized, so that when pressed onto the last they will take its form. I prefer to use felt after it leaves the fulling-mill and before it is dried. The wet piece, properly sized to form the upper A, is applied over the top of a last and stretched, and pressed down so as to fit the last closely at all points of the upper. The edges *a* are then drawn tightly, turned over the edge of the sole of the last, temporarily secured to it, and the surplus fabric trimmed off. A sole, B, of felt, is then placed upon the sole of the last, covering the turned or crimped edges *a a* of the upper, and secured by sewing to the upper. The fabric now covers the last entirely, and is allowed to remain in this position until dried sufficiently to retain its form. To complete the lining and draw the last a slit is cut or a piece cut out of the upper at C, where it covers the top of the last. This allows the last to be drawn, and forms an opening by which the foot may be inserted. The upper A, or both upper A and sole B, are perforated, which may be done before or after the lining is lasted, with slits or holes *d d*, which may vary in size and number, and the constant action of the foot in walking forces the air to circulate through the perforations and in the spaces between the foot and lining, and between the lining and boot or shoe, thus keeping the foot cool and preventing excessive perspiration.

I am aware of Patent Reissue No. 8,070, dated February 5, 1878, and granted to C. W. Palmer and C. Houghton, and I expressly disclaim a felt shoe in which the upper and insole or any part of the sole are made continuous and of one structure throughout so that they are united without seam.

What I claim is—

A removable lining for boots and shoes having a seamless upper, consisting of one thickness of felted fabric, and having a sole of a single thickness of material secured to the upper by a line of stitching, said upper and sole, either or both, having perforations, all as described and set forth.

ENOCH WAITE.

In presence of—
WM. A. MACLEOD,
JOHN R. SNOW.