

(No Model.)

A. SLOMKA.
REMOVABLE INSOLE.

No. 576,232.

Patented Feb. 2, 1897.

FIG:1.

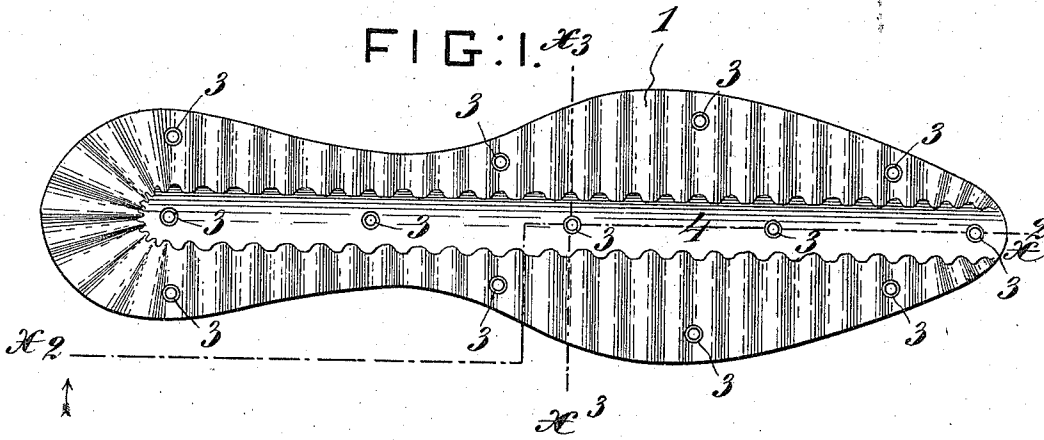


FIG:2.

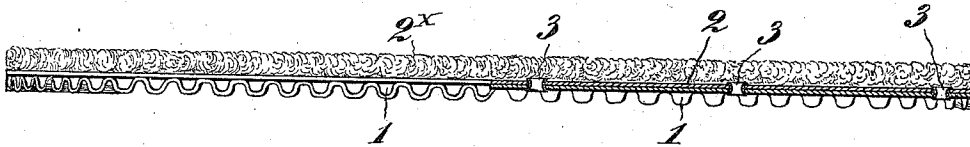


FIG:3.

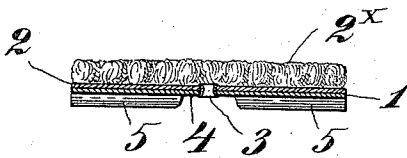
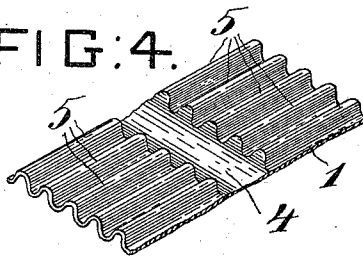


FIG:4.



WITNESSES:

J. H. Wiman
Peter A. Ross

INVENTOR:

Adolf Slomka

By

Henry Comstock

Attorney.

UNITED STATES PATENT OFFICE.

ADOLF SLOMKA, OF NEW YORK, N. Y.

REMOVABLE INSOLE.

SPECIFICATION forming part of Letters Patent No. 576,232, dated February 2, 1897.

Application filed June 24, 1896. Serial No. 596,677. (No model.)

To all whom it may concern:

Be it known that I, ADOLF SLOMKA, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Removable Insoles for Boots or Shoes, of which the following is a specification.

My invention relates to the class of removable insoles to be used in boots and shoes for keeping the feet dry and affording ventilation about the same.

The accompanying drawings illustrate an embodiment of the invention.

Figure 1 is a plan view of the under side of the insole; and Fig. 2 is an edge view of the same, partly in section, on line x^2 in Fig. 1. Fig. 3 is a transverse section of the insole on line x^3 in Fig. 1. Fig. 4 is a fragmentary perspective view of a part of the base-sheet of the insole, illustrating the manner of corrugating it.

The insole is composed of a base-sheet 1, preferably of some thin and rather stiff material, as waterproofed paper or leather-paper, and a superposed piece of sheepskin 2, tanned with the wool on. The wool 2^x forms a soft, dry, and warm support for the foot, and also allows some circulation of air under the foot and among the fibers of the wool. These two plies, namely, the base-sheet and the sheepskin, are secured together by eyelets 3, which allow the air to pass freely up through the sheet 1 and the sheepskin and into the upper layer or bed of wool. The wool protects the stocking from being cut or worn by the eyelets 3, which usually present some roughened or jagged parts due to bad work in setting them.

In order to allow the air to flow underneath the base-sheet 1, and thus to enhance the ventilating qualities of the insole, I corrugate the said sheet, preferably as shown in Figs. 1 and 4. Through the middle of the sheet extends a plain or uncorrugated strip 4, from which corrugations 5 extend to the margins of the insole. The insole rests when in the shoe on the crowns of the ribs formed by the corrugations 5, and this permits the air to flow down around the margin of the insole (which fits loosely in the shoe) and through the grooves formed by the corrugations.

In lieu of sheepskin with the wool on some soft or piled fabric might be employed for making a cheaper grade of goods.

I am aware that it is not new to form an insole of a lower sheet of rubber with cells or recesses in its under face and an upper sheet of cloth or leather, the two being perforated. My insole differs from this in having its lower or base sheet formed with corrugations which extend to the margins of the sole, so as to admit air thereat and to admit air also between the base-sheet and superposed piece of soft material.

Having thus described my invention, I claim—

1. As an improved article of manufacture, a removable insole comprising a corrugated base-sheet of thin material, and a piece of soft material, as specified, applied to the upper face of said base-sheet and united thereto, said insole having in it perforations or apertures for the purpose of ventilation and said corrugations forming air-passages between the insole and the soft covering material.

2. As an improved article of manufacture, a removable insole comprising a corrugated base-sheet of thin material, a piece of sheepskin with the wool on applied to the upper face of said base-sheet, and eyelets extending through the two plies of material, said eyelets serving to secure the two plies together and to form ventilating-apertures and said corrugations forming air-passages between the insole and said sheepskin.

3. As an improved article of manufacture, a removable insole comprising the base-sheet 1, having a plain or uncorrugated strip 4 along its middle and corrugations 5 extending from said strip to the margins of the sheet, a piece of sheepskin 2, with the wool on applied to the upper surface of said sheet 1, and united thereto, said insole having ventilating-apertures, as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

ADOLF SLOMKA.

Witnesses:

HENRY CONNETT,
PETER A. ROSS.