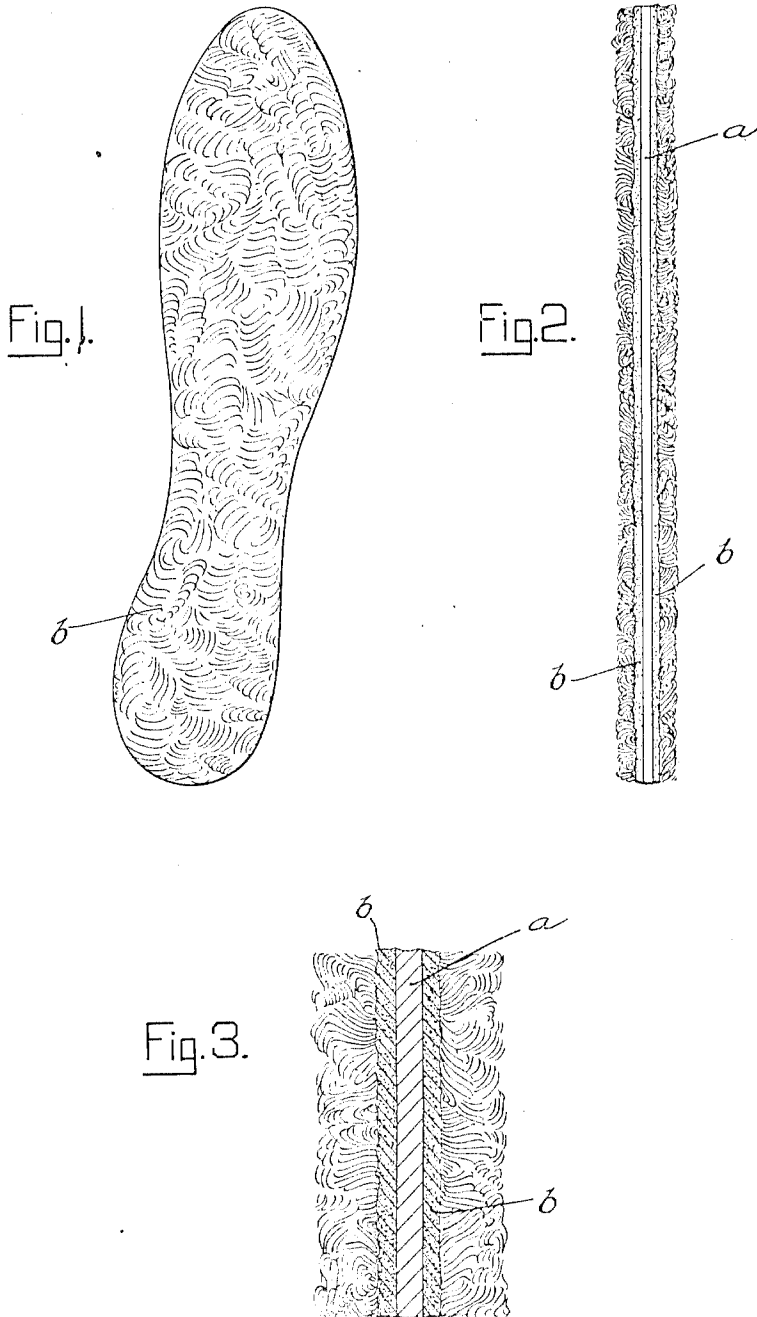


V. WEIL.
INSOLE.
APPLICATION FILED MAR. 24, 1911.

1,040,597.

Patented Oct. 8, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

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INSOLE.

1,040,597.

Specification of Letters Patent.

Patented Oct. 8, 1912.

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To all whom it may concern:

Be it known that I, VICTOR WEIL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Insoles, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to insoles, such as are worn as auxiliary linings in boots and shoes for the purposes of warmth and comfort and as a protective agent against the accumulation of moisture. I contemplate its manufacture from wool sheepskin or the pelt of any fur or hair bearing animal.

Broadly, the important distinctive feature of my invention lies in the fact that the wool, fur or hair, is on the under side of the sole, thus adding spring or elasticity in walking and acting as a means to absorb any moisture which might come through the sole of the boot or shoe from a wet pavement.

Specifically, the distinctive feature of my invention lies in the provision of wool, fur or hair on both sides of the insole, so that not only is the spring or elasticity in walking further augmented, but means is provided for absorbing the moisture due to the perspiration of the foot as well as for the purpose of absorbing the moisture which finds its way through the sole of the shoe or boot.

It is preferable that the skin which is used shall be vegetable tanned or tanned in some such other way as to leave quite immune to moisture rather than alum tanned. Vegetable or chrome tanned skin for instance is not affected by moisture as alum tanned skin is, the latter kind becoming wrinkled and stiff when it is so exposed.

I provide a layer of stiffening material between the two pieces of skin, which would otherwise be back to back, in order to lend body to the insole.

My invention is embodied in the structure illustrated in the accompanying drawings in which—

Figure 1 is a plan view thereof; Fig. 2

is a side view of the insole; and Fig. 3 is a cross-sectional view of a portion thereof.

The layer of stiffening material is shown at *a* and this element may be either of leather, cardboard or cork or any other suitable material. Two properly cut pieces of vegetable tanned skin, carrying the wool, fur or hair in the natural way, are secured back to back upon the stiffening layer *a* as illustrated at *b, b*. The skins may be either glued or sewed to the member *a*. Thus, the wool is on the outside in both cases and the sole may be inserted in a boot or shoe in an obvious manner. The wool on one side of the stiffening material will absorb the moisture which finds its way through the sole of the boot or shoe while the wool on the other side of the stiffening material will absorb the moisture due to the perspiration of the foot. Furthermore, an insole which provides both comfort and warmth is assured.

I claim as new and desire to secure by Letters Patent:

1. An insole comprising two pieces of skin with the hair left thereon placed back to back, said skins being tanned so as to be immune to moisture.

2. An insole comprising two pieces of sheepskin with the wool left thereon placed back to back, said sheep-skins being vegetable or chrome tanned so as to render them immune to moisture.

3. An insole comprising a layer of stiffening material, and two pieces of sheepskin with the hair left thereon, said sheep-skins being vegetable or chrome tanned to render them immune to moisture, one piece having its skin side secured to one face of the stiffening layer and the other piece being similarly secured to the other side of said stiffening layer.

In witness whereof, I hereunto subscribe my name this 13th day of March, A. D., 1911.

VICTOR WEIL.

Witnesses:

ARTHUR H. BOETTCHER,
ALBERT G. McCALLEN.