

E. W. STANTON.
Insoles.

No. 148,770.

Patented March 17, 1874.

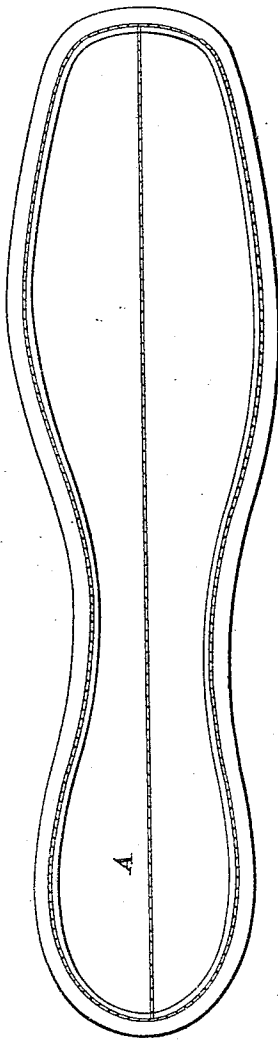


Fig. 1.

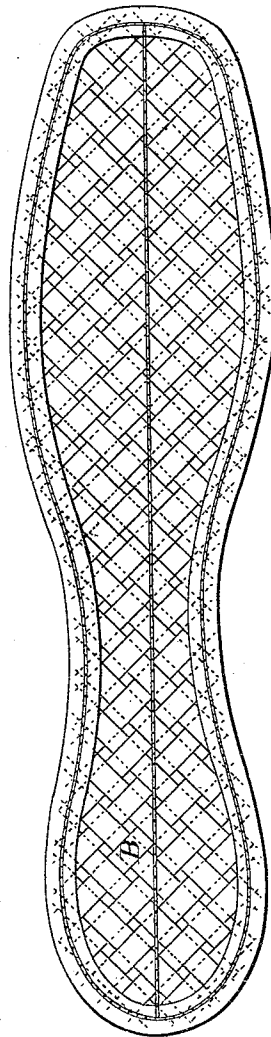


Fig. 2.

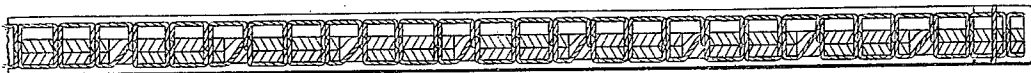


Fig. 3.

WITNESSES.

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UNITED STATES PATENT OFFICE.

EPHRAIM W. STANTON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN INSOLES.

Specification forming part of Letters Patent No. 148,770, dated March 17, 1874; application filed February 28, 1874.

To all whom it may concern:

Be it known that I, EPHRAIM W. STANTON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and valuable Improvement in Insoles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of my invention. Fig. 2 is a bottom view of the same. Fig. 3 is a sectional view of the same.

This invention has relation to inner soles for shoes; and it consists in constructing the upper layer of thin wood or veneering, with the grain running from side to side of the sole, the continuity of this upper layer being maintained by the binding and suitable rows of stitching, securing the same to the bottom layer, which is formed of plaited or interwoven strips, which will permit a free circulation of air beneath the insole.

In the accompanying drawings, the letter A represents the upper layer of the insole, made of veneering or thin slips of wood, having the grain running transversely, so that there will be no tendency to curl up from side to side, while its flexibility in the longitudinal direction will enable it to conform readily to the movements of the foot. B indicates the lower

layer. This is preferably made of basket-work, the strips being plaited or interwoven in oblique or diagonal lines with reference to the medial line of the sole, in order to allow freedom of flexure. The upper and lower layers are secured together by a binding, *c*, around their edges, and by central or oblique seams *d* of elastic stitching, thus connecting the layers in a sufficiently intimate manner.

My insole is designed especially to prevent the foot from perspiring, thus conducing to the health of the wearer, as well as to cleanliness, as the stocking will not be stained by the moist leather. At the same time the warm contact with the foot will serve to keep the upper strip soft and pliant, and will prevent it from breaking transversely under ordinary usage.

What I claim as new, and desire to secure by Letters Patent, is—

An insole of wood, constructed by binding and sewing together a lower layer, B, of basket-work, and an upper layer, A, of a single strip of thin wood or veneering, having its grain running transversely of the sole, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

E. W. STANTON.

Witnesses:

GEO. E. UPHAM,
D. D. KANE.