

L. R. BLAKE.
BOOTS AND SHOES.

No. 185,815.

Patented Jan. 2, 1877.

Fig. 1.



Fig. 3.

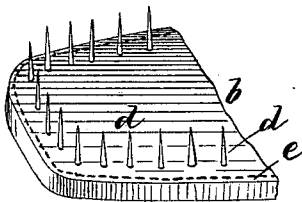
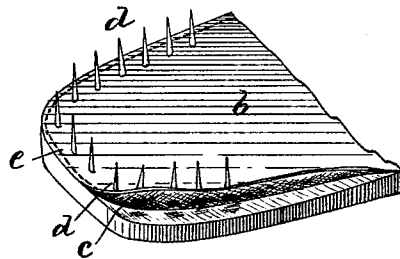


Fig. 2.



Witnesses.

L. H. Latimer.

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per Com by Gregory & Co.

UNITED STATES PATENT OFFICE

LYMAN R. BLAKE, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BOOTS AND SHOES.

Specification forming part of Letters Patent No. **185,815**, dated January 2, 1877; application filed October 16, 1876.

CASE B.

To all whom it may concern:

Be it known that I, LYMAN R. BLAKE, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Boots and Shoes, of which the following is a specification:

In another application filed concurrently with this I have described a shoe, in which a welt of cloth or leather set or studded with tacks or metallic fastenings is sewed to the outer sole, and then the tacks are driven into the upper and inner sole of a shoe lasted in the usual manner, and suitably held during the operation of driving the nails.

Instead of using a welt composed of a piece separate from the sole, this invention provides for the use of a lip formed by channeling into the edge of the sole, or from near its edge, toward the center of the sole. This lip so cut and subsequently lifted up is studded or set with tacks or metal fastenings, and is then re-attached to the outer sole, preferably by a series of stitches; but it may be attached in any other suitable way. After the nails are set in the lip, the outer sole, the lip supporting the series of tacks, is applied to the lasted shoe, and the tacks are driven into the upper, and inner sole, thereby uniting the outer sole to the shoe.

Figure 1 represents a shoe made in accordance with this invention. Fig. 2 is a portion of an outer sole, with its upturned lip studded with tacks; and Fig. 3 is a piece of outer sole, with the lip sewed down.

In the drawing, *a* represents the upper, of any usual shape or material, and *b* the sole. This sole is cut at or near its edge to form a lip, *c*, which is then set or studded with tacks *d*, or suitable metallic fastenings adapted to clinch upon an iron or shod last. After the lip is set with tacks it is preferably sewed down with a series of stitches, *e*, a suitable channel being made in the face of the sole to receive the stitches. Then the tacks so held in the lip are driven into the upper and inner sole, attaching the outer sole to the inner sole and upper, in the manner described in case A.

I claim—

1. As an improved article of manufacture a sole in which a lip is formed from the substance of the sole, and studded with tacks, and which is then refastened to the sole outside the row of tacks, substantially as described.

2. The combination, with an upper, and an inner sole, of an outer sole, having a lip formed by cutting into the sole, the lip being studded with tacks and then sewed outside the row of tacks to the thicker portion of the sole under it, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LYMAN R. BLAKE.

Witnesses:

GEO. W. GREGORY,
S. B. KIDDER.