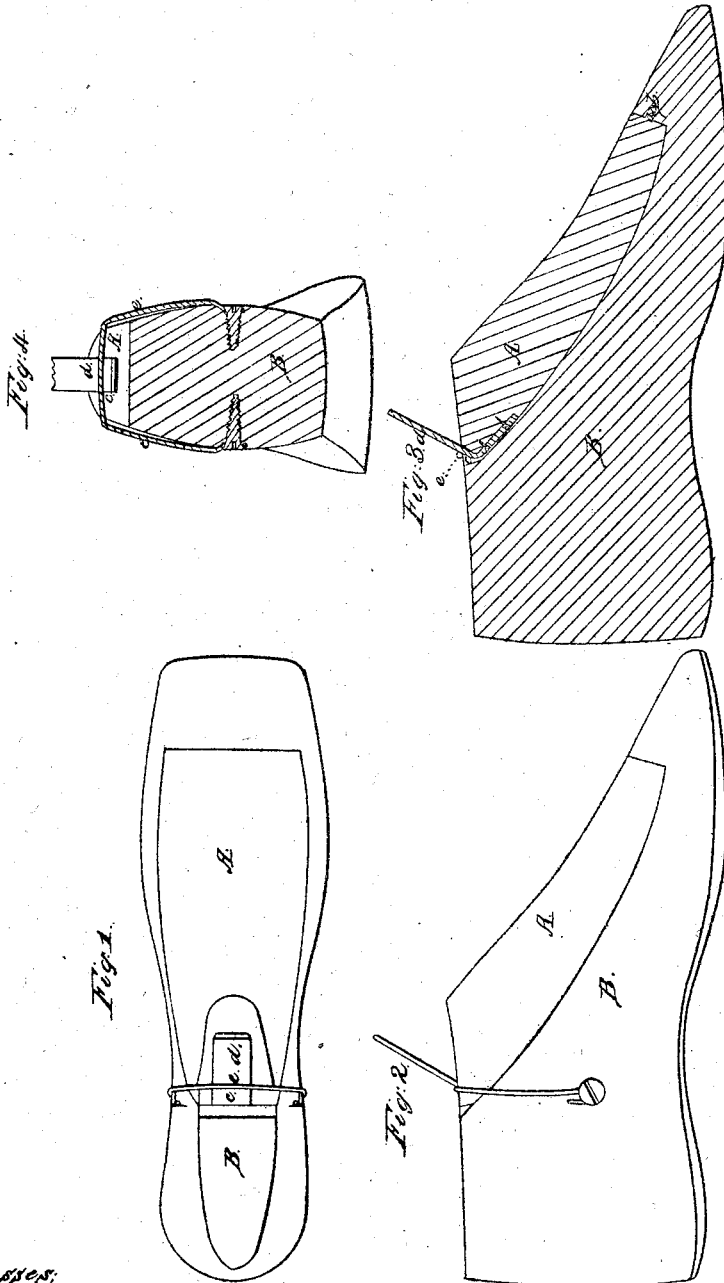


S. K. ABBOTT.
SHOE LAST.

No. 46,174.

Patented Jan. 31, 1865.



Witnesses:

F. W. Hall Jr.
H. C. Fisher

Inventor:

Samuel K. Abbott.

By his attorney,
R. H. Ledy

UNITED STATES PATENT OFFICE.

SAMUEL K. ABBOTT, OF SALEM, ASSIGNOR TO JOEL D. CHAMPION, OF
NASHUA, NEW HAMPSHIRE.

IMPROVEMENT IN SHOE-LASTS.

Specification forming part of Letters Patent No. 46,174, dated January 31, 1865.

To all whom it may concern:

Be it known that I, SAMUEL K. ABBOTT, of Salem, in the county of Rockingham and State of New Hampshire, have made a new and useful invention having reference to Shoe-Lasts; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a top view, Fig. 2 a side elevation, Fig. 3 a longitudinal section, and Fig. 4 a transverse section, of a last provided with my invention; which is a means or mechanism for fastening the upper end of the instep-block to the remainder of the last.

In the drawings, A denotes the instep-block, and B the balance or remainder of an ordinary shoe-last. The portion A or instep-block has at its lower end a pin or dowel, *a*, which enters a corresponding hole, *b*, formed in the other part of the last. At the rear end of the instep-block there is a notch, *c*, through which a strap, *d*, of leather or other flexible material, is arranged in manner as shown in Figs. 1 and 3, such strap, at or near its lower end, being fastened to the instep-block. A bow-spring, *e*, made of wire and formed as shown in Fig. 4, spans the last and the heel part of the instep-block directly in the rear of the strap *d*, as shown in the drawings, such spring being fastened at or near its two ends to the lower portion, B, of the last. The elastic

force of the spring should be such as to impel the upper or middle part of it in the direction of the toe of the last, or, in other words, toward the strap *d*, when extending above and in front of the spring in the manner as shown in the drawings. The spring, by going across the heel of the instep-block, serves, with the dowel, to keep the said block in place on the portion B of the last. By laying hold of the strap and pulling it backward we shall not only force the spring off the instep-block, but draw the block away from the part B.

In applying the instep-block to the part B the dowel should first be inserted in its hole, after which, by pressing the block down upon the spring, the latter will be forced backward until the instep-block may descend upon its seat. As soon as this latter may have taken place the elastic force of the spring will carry the spring forward to place immediately over the heel of the block.

I claim—

The instep-block fastener composed of the bow-spring *e* and the strap *d*, arranged with respect to one another and the block and the remainder of the last, substantially in manner and so as to operate as described.

S. K. ABBOTT.

Witnesses:

H. C. PHILBROOK,
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