

L. Elliott,

Rubber Boot.

No. 86,827.

Patented Feb. 9. 1869.

Fig. 1.

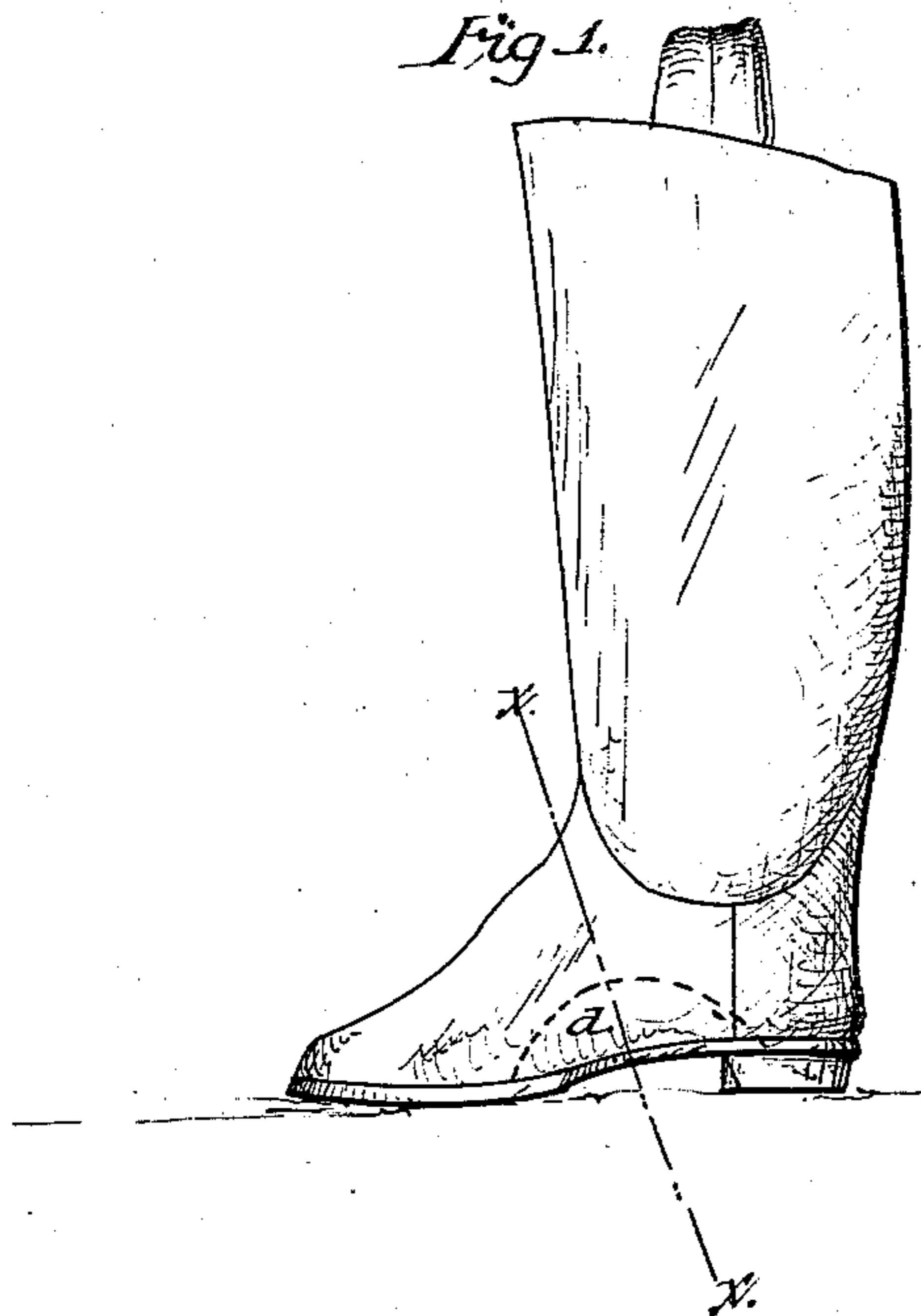


Fig. 2.

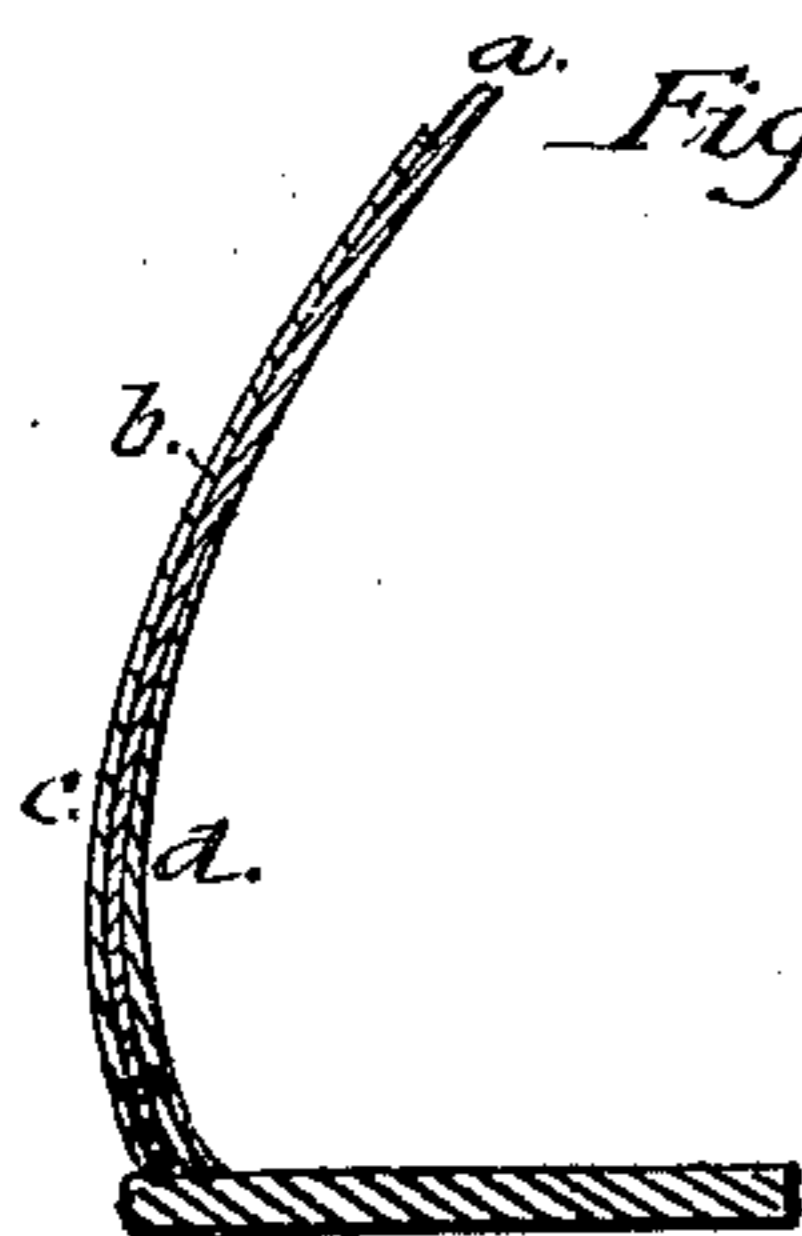


Fig. 3.

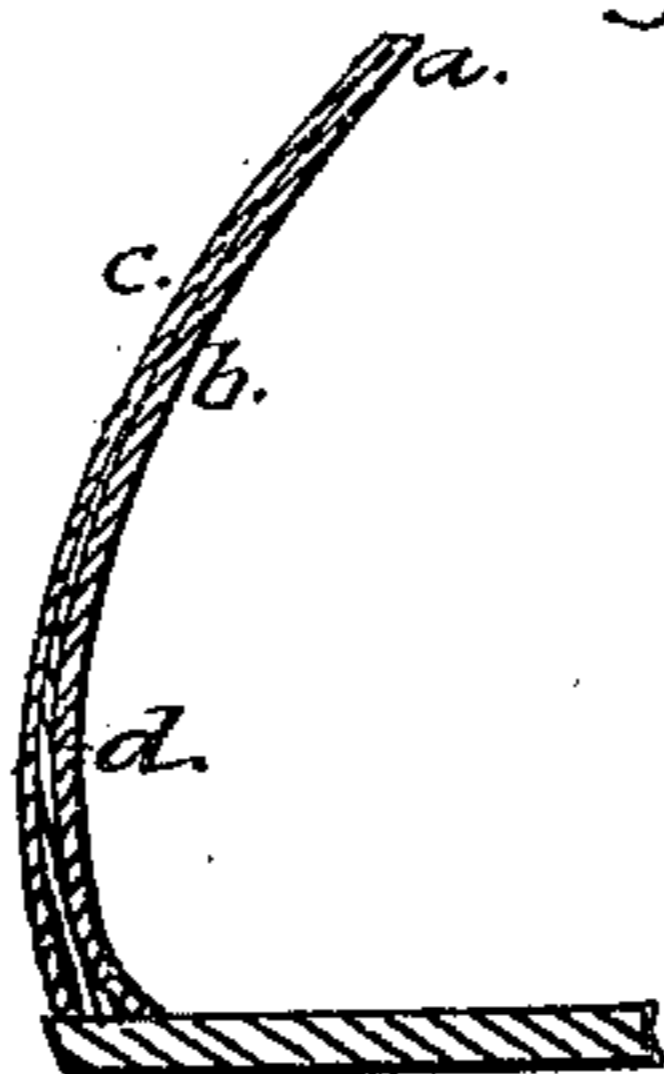
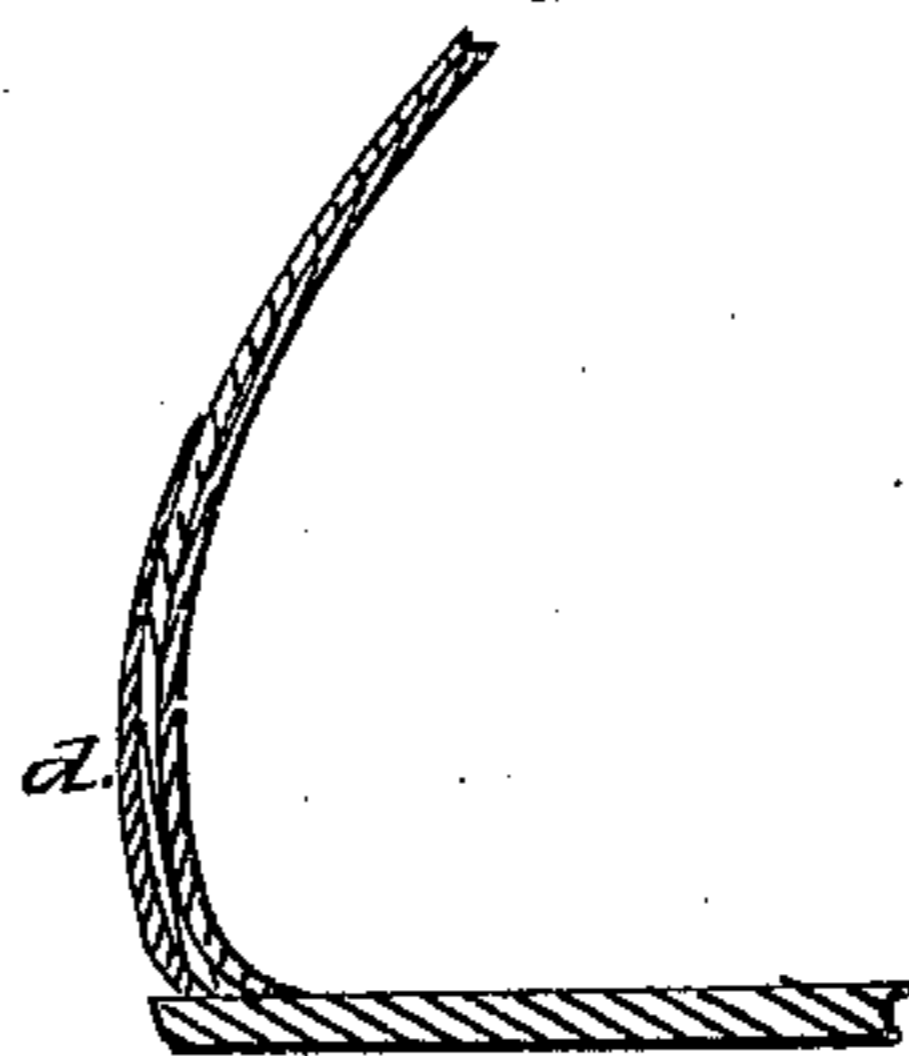


Fig. 4.



Witnesses
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LEWIS ELLIOTT, JR., OF NEW HAVEN, CONNECTICUT, ASSIGNOR
TO L. CANDEE AND COMPANY, OF SAME PLACE.

Letters Patent No. 86,827, dated February 9, 1869.

IMPROVED RUBBER BOOT.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LEWIS ELLIOTT, Jr., of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Rubber Boots; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view, and in

Figures 2, 3, and 4, partial sections, on line *x x*, illustrating my improvement.

This invention relates to an improvement in the construction of India-rubber boots.

As commonly constructed, the upper is of equal thickness at all points, but in wearing such boots in the snow, ice, or mud, the sole at the shank being narrower than the upper, the upper projects beyond the edge of the sole, so that the upper at that point comes directly in contact with the snow, ice, &c., in which the wearer is standing, and thus causes a greater wear upon the upper at that point than at any other, so that the boot first gives out at that place.

To avoid this, and thus cause the boot to wear longer, is the object of this invention, which consists in the insertion into the boot, during the process of construction, at the shank-part, of an extra thickness of rubber, whereby the boot at that point is greatly strengthened.

To enable others to construct my improvement, I will

proceed to describe the same, as illustrated in the accompanying drawings.

The upper and all parts of the boot are formed in the usual manner, but in forming the boot upon the last, as seen in fig. 2, the lining *a* is first placed upon the last, then, at the shank, a piece of unvulcanized gum, *d*, of the form denoted by the broken line, fig. 1, and as denoted in blue, fig. 2, is placed on to the lining, then over that the vamp *b*, then over that the upper, *c*, then the sole placed thereon, and the whole finished by the process of vulcanization in the usual manner, the upper, at the shank, being strengthened and sustained by the additional part *d*.

Or, as seen in fig. 3, the piece *d* is placed between the vamp and the upper, and this method I think the best.

Or, as seen in fig. 4, the extra piece *d* may be placed upon the outside.

The best finish is, however, produced by the first arrangement of the piece *d*, though the object is accomplished by either.

Having thus fully described my invention,

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

The insertion or application of the piece *d* upon one or both sides of the upper, at the shank, but separate from the sole, and the whole secured to the sole, substantially as herein set forth.

Witnesses: LEWIS ELLIOTT, JR.

A. J. TIBBITS,

J. H. SHUMWAY.