

A. VAN WAGENEN.
Shoe-Tips.

No. 166,660.

Patented Aug. 10, 1875.

Fig. 1.

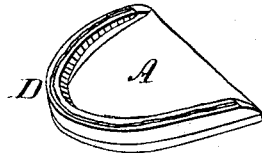


Fig. 2.

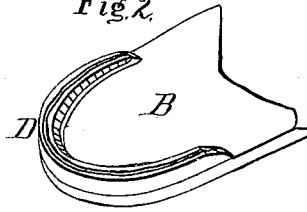


Fig. 3.

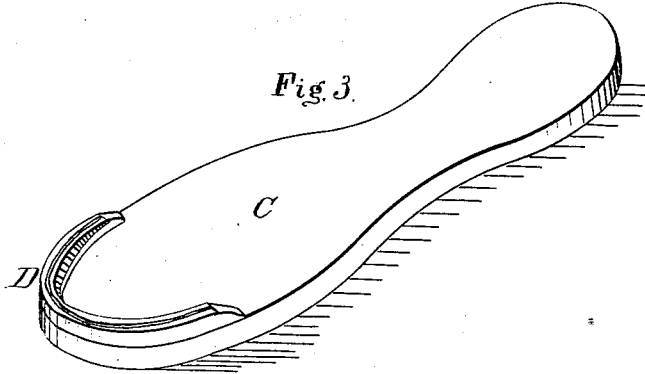


Fig. 4.

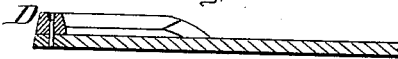


Fig. 5.

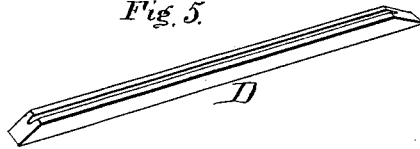


Fig. 6.



Witnesses.

F. B. Townsend.

A. Rutherford

Inventor.

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By Johnson and Johnson
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UNITED STATES PATENT OFFICE.

ALBERT VAN WAGENEN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SHOE-TIPS.

Specification forming part of Letters Patent No. **166,660**, dated August 10, 1875; application filed July 14, 1875.

CASE B.

To all whom it may concern:

Be it known that I, ALBERT VAN WAGENEN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Shoe-Tips; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

In a shoe-tip I have previously invented, the tip proper was built up from a piece of leather stitched in a horizontal position to a base. From such horizontal position it was raised to form an angle, so that the constant tendency of the tip was to conform to the upper, the base part being secured between the upper and the outsole.

In my present tip I avoid the necessity of using a flat piece of leather with one of its edges unstitched, and of striking up said edge. I now use only a thick narrow strip, which I secure directly around the edge of the base by a line of countersunk stitching in a channel formed upon the upper surface of such strip, such channel being closed in finishing the strip, and thereby concealing the stitches.

By using the narrow top-channeled strip I also avoid the disadvantage of having to split or rip the leather horizontally, and to hold up the upper ripped part to make the interior stitching.

The horns of the narrow strip are beveled to present a neat termination.

In the accompanying drawings, Figure 1 represents the tip proper with the thick narrow strip; Fig. 2, such strip applied to the half-sole; Fig. 3, such strip applied to the outer sole, and Fig. 4 the tip-forming thick narrow strip.

The base of the tip may be a base-piece, A, a half-sole, B, or the sole C; and in either case the tip-forming strip D is bent around the toe, and secured directly in line with the edge of the sole. It might, however, be set back from the edge. The blank or strip D to form the tip consists of a thick narrow piece

of leather, of a length to reach a suitable distance around the toe, and it is united thereto by a line of stitching running through a channel in the middle of its width, its inner and outer vertical walls presenting the ends of the fiber not only to the wearing action, but to the upper with which it is in contact.

It may be made from the refuse trimmings of soles, and hence costs nothing beyond its manufacture. It may be of a single thickness, or several layers may constitute the strip, so that the trimmings of all soles may be utilized. There can be no diminution of its thickness or height by surface wear.

To unite it by concealed stitches, I channel the upper surface from end to end, as seen at *a* in Fig. 5, such channel being a suitable depth, and traverse it by the line of uniting-stitches, said stitches being hid by the closing of the channel in the finishing.

This channel *a*, in addition to serving as the means for concealing the uniting-stitches of the strip, also serves to lessen the thickness of the part through which the stitches are made, without lessening that of the strip-forming tip, which is a matter of great advantage, as it is important to preserve the full thickness of the strip to make a proper finish, and avoid the disadvantage of having to sew through the full thickness of such tip-forming strip and the outsole.

In another application for a patent now pending I have shown and described a built-up tip constructed of two or more pieces, and I therefore disclaim such invention, broadly, in this patent.

I claim—

A shoe-tip consisting of a single narrow bent strip, D, united to the sole by a line of stitching countersunk in a deep channel, *a*, formed in the upper surface of such strip, whereby the said stitches are concealed, substantially as shown and described.

In testimony that I claim the foregoing I have affixed my signature in presence of two witnesses.

ALBERT VAN WAGENEN.

Witnesses:

A. W. ADAMS,
W. VAN WAGENEN.