D. A. SUTHERLAND.

SADDLE-PIECES FOR SEAMS OF BOOTS AND SHOES.

No. 194,011. Patented Aug. 7, 1877.

FIG. 1.

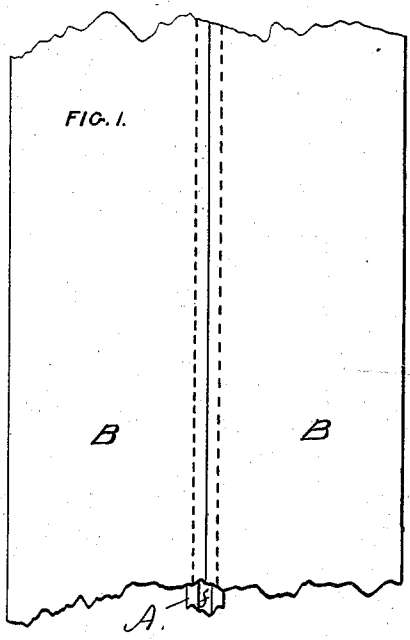


FIG. 2.

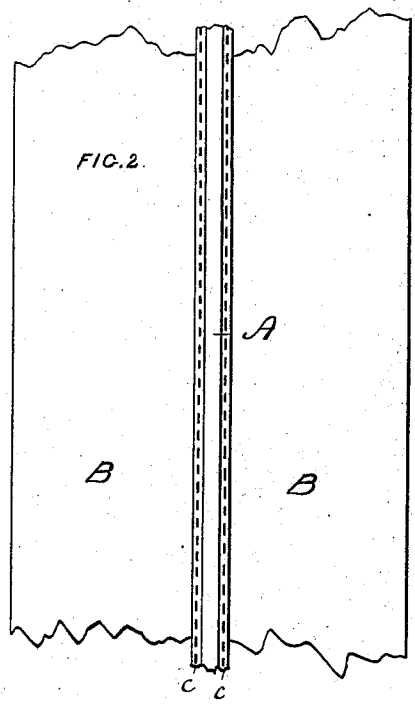


FIG. 3.



FIG. 4.

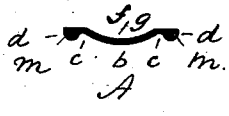


FIG. 5.

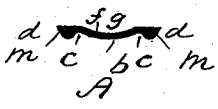
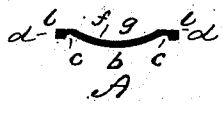


FIG. 6.



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UNITED STATES PATENT OFFICE.

DANIEL A. SUTHERLAND, OF LYNN, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND JOSEPH N. SMITH, OF SAME PLACE.

IMPROVEMENT IN SADDLE-PIECES FOR SEAMS OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. **194,011**, dated August 7, 1877; application filed July 6, 1877.

To all whom it may concern:

Be it known that I, DANIEL A. SUTHERLAND, of Lynn, in the county of Essex and State of Massachusetts, have invented a certain new and useful Improved Saddle-Piece for Seams of Boots or Shoes, of which the following is a specification:

This invention relates to a new and improved stay or saddle piece for seams of boots and shoes, and particularly pertains to the production of stay or saddle pieces substantially such as described and shown in the schedule annexed to the reissue Letters Patent issued to Daniel A. Sutherland, of Lynn, Massachusetts, assignor to himself and Joseph N. Smith, dated February 13, 1877, No. 7,510, as to having channels or depressions for removing the stitches from wear and friction, and other purposes, as therein stated, and substantially differing therefrom in the form of the strip, the finish of its edges, &c., which differences make up the features of the present invention, as will hereinafter fully appear.

In the accompanying drawings, Figure 1 is an inside view; Fig. 2, an outside view; Fig. 3, a cross-section of a portion of a lady's boot-upper, showing my improved stay or saddle piece attached; and Figs. 4, 5, and 6, sections on an enlarged scale of the stay or saddle piece detached.

In the drawings, A represents my improved stay or saddle piece. This saddle-piece A is composed of a flat strip or ribbon, *a*, of thin leather, or other proper material, and this strip is of suitable width to sufficiently lap over and to be stitched to the leather at each side of the seam of the boot or shoe which it is to straddle, and there to act as a stay thereto.

The strip *a* in its width and along its length, and on one side or surface *b*, has parallel corrugations or grooves *c c*, spaced according to the distance which the two lines of stitches are to be apart, by which the strip is to be fastened to the boot or shoe, and it has its two edges, *d d*, formed by pressure or otherwise, so as to give a neat and finished appearance thereto.

In addition to the above the strip *a* has a channel or groove, *f*, along its length and upon its side or surface *g*, which is opposite to its side *b* having the grooves or channels *c c;* and the groove *f* is in the central portion of the strip *a*, between the positions of its two grooves *c c*.

The strip *a* is placed with its side *g* over the seam of the boot or shoe which it is to straddle and stay, and is thus so placed as to have the turned-in portions *h* of the two parts of the leather B of said seam lie in and along the groove *f* of the side of the strip, and then the strip, in any suitable manner, by a sewing-machine or otherwise, is fastened in such position by sewing it along and in the spaces of the corrugations or grooves *c c* on its then outer side.

The edges of the strip *a* may be cut square, as shown in Fig. 6 at *l;* but I prefer to round or bevel them off, as shown at *m*, Figs. 4 and 5, respectively, by which the edges are finished, as heretofore referred to by me. This finish is best accomplished by pressing and forcing the leather at the edge of the strip, so that the surface *b* of the leather strip will extend around the edge *d*, thereby giving a surface finish, as it were, to the edge of the strip.

By such finish all sharp corners or edges are removed, and a superior, neater, and more finished appearance is given to the stay-pieces, as is obvious.

This improved stay-piece has all the advantages of the stay-piece of the aforesaid Letters Patent, and in addition thereto the further advantages of requiring less stock for its manufacture, and having a capability to be laid more compactly and smoothly upon the boot or shoe when applied thereto, as in my said patent referred to the edges of the strips are folded inward upon themselves, and thereby a neat finish, as I now accomplish, cannot be procured.

The grooves and channels of the stay-piece herein described, as well as its finished edges *d*, may be produced by hand or otherwise, as is well known.

The edges *h* of the leather can be turned in

the opposite direction to that shown in Fig. 3, if desired; but the method shown and described is preferable.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A stay-piece for seams of boots or shoes, &c., consisting of a flat strip or ribbon of leather or other suitable material, having the grooves or channels *c c*, and either square or finished edges *d* of a single thickness, all as described, for the purpose specified.

2. A stay-piece for seams of boots and shoes, &c., consisting of a flat strip or ribbon of leather or other suitable material, having grooves or channels *c c* on one side, and a groove, *f*, on the other, and either square or finished edges *d* of a single thickness, all substantially as described, for the purpose specified.

D. A. SUTHERLAND.

Witnesses:
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