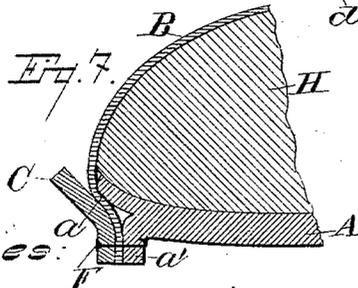
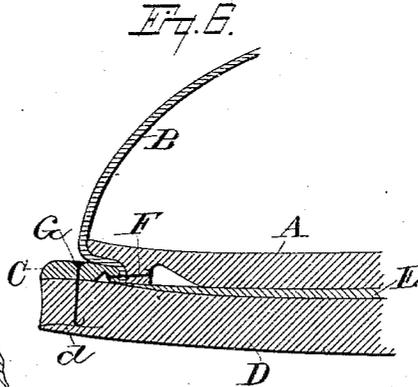
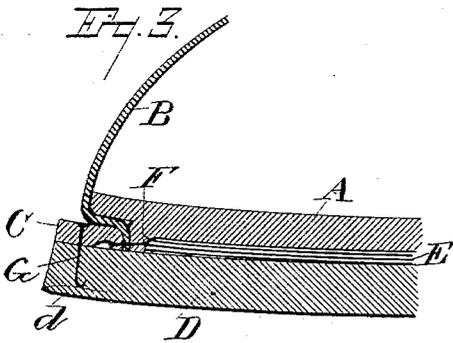
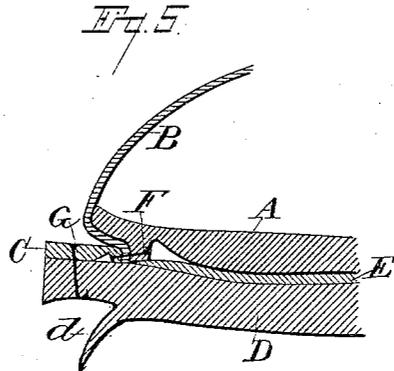
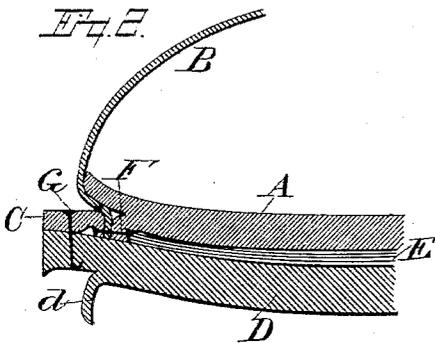
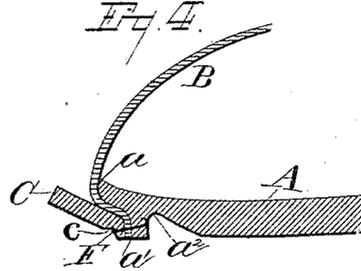
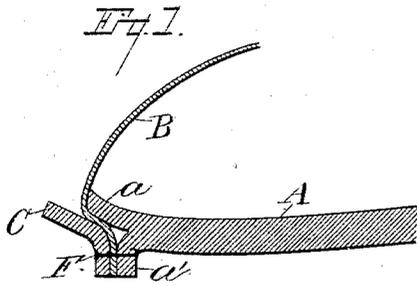


(No Model.)

S. A. WEST.  
BOOT OR SHOE.

No. 315,869.

Patented Apr. 14, 1885.



Witnesses:  
*E. G. Jones*  
*R. Platz*

Inventor:  
 Sillman A. West  
 By  
*John H. Underwood*  
 Attorney

# UNITED STATES PATENT OFFICE.

STILLMAN A. WEST, OF RACINE, WISCONSIN.

## BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 315,869, dated April 14, 1885.

Application filed January 30, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, STILLMAN A. WEST, of Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in the Manufacture of Boots or Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to the manufacture of boots or shoes; and it consists in certain peculiarities of construction, together with the means and method by which the same is carried out, all as will be more fully set forth hereinafter.

In the drawings, Figures 1 to 3 illustrate parts of a boot or shoe made according to my preferred plan, and Figs. 4 to 6 are similar views illustrating a modification, while Fig. 7 illustrates a peculiarity in the last employed in carrying out my invention.

Heretofore in the manufacture of boots or shoes metallic fastenings have been used for uniting the several parts, such as the insole, upper, welt, and outsole, or some of them; but, so far as I am aware, such fastenings have been applied vertically, or substantially so, whereby an objectionable ridge was created inside the shoe, besides which the fastenings were liable to work up through the insole, much to the discomfort of the wearer, and the chief object of my present invention is to obviate these objections.

In the several views, A represents the insole; B, the upper; C, the welt; D, the outsole, and E, the filling between the inner and outer soles. F F are the metallic fastenings which secure the insole, welt, and upper together, and G G the metallic fastenings which secure the welt to the outsole, and H is the last.

In the preferred method of carrying out my invention, I split or divide the insole along its edge and turn one section or half, *a*, of the split portion up against the last H, (whose bottom edges are beveled, as shown, to enable this to be done,) while the other half, *a'*, of the split portion is turned down, as shown in Fig. 7, and against the freshly cut or split surface of the insole I place the inner surface of the upper B, with its lower edge flush with the lower edge of the turned-down part *a'* of the insole, and next to this—that is, against the outside of the upper—I place the welt C, and secure

together the welt, the upper, and the turned-down half *a'* of the insole by means of the metallic fastenings F, driven horizontally through the three thicknesses of leather from the welt or outside and clinched on the inside—that is, against the outer surface of the part *a'* of the insole A—all of the said three thicknesses of leather having their lower edges flush so as to fit squarely against the upper face of the sole.

It will be understood that I use the terms “upper,” “lower,” “outer,” and “inner” throughout this specification with reference to the relative positions of the several parts, as shown in the accompanying drawings, irrespective of their actual position during the process of manufacture, when the part may be inverted or the whole turned to one side from time to time. The outsole D and the filling E are then added in the ordinary manner, the outside is channeled, as shown, and this strip of leather *d* turned out of the way, and the free end of the welt C brought down against the upper surface of the outsole, and these two parts are united by means of the vertical metallic fastenings G G, when the strip *d* is brought back to place after the fastenings G G have been clinched, as shown.

If it is preferred to unite the welt, upper, and insole by stitches of thread instead of metallic fastenings, this can be done when these pieces are in the position shown in Fig. 7, care being taken that the stitches shall extend horizontally just as the fastenings would if they were used.

In Figs. 4, 5, and 6 I show a slight modification. Here instead of splitting the insole A, I provide it with a groove or channel, *a*<sup>2</sup>, to correspond in effect with the space to the right of the turned-down part *a'* in Fig. 1, while the outer edge of the insole is beveled off, as shown in Fig. 4, from the point *a* to the point *a'*, and the upper B is placed against this beveled edge in this style (just as it is placed against the freshly-cut edges of the insole in the style shown in Fig. 1)—that is, with its lower edge flush with the lower edge *a'* of the insole—and next the welt C is put in position, having preferably a groove, *c*, cut therein, and along the inner or bottom line of this groove the metallic fastenings F F are placed and driven through, as before—that is, so that they will

be horizontal when the shoe is finished—their ends being clinched against the inner side walls of the groove  $a^2$ , as shown, so that both the upper, the welt, and the insole have their lower edges flush to fit squarely against the upper face of the sole. The balance of the shoe is finished as before described.

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

As an improved article of manufacture, a boot or shoe having an insole split or divided along its edge, and one section turned up and the other down, with the inner surface of the upper next the split surfaces of the insole, and

next to the upper the welt, the three thicknesses of leather being secured together by means of horizontal fastenings, and with their lower edges flush and fitting squarely against the upper face of the sole, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

STILLMAN A. WEST.

Witnesses:

H. G. UNDERWOOD,  
M. KAUMHEIMER.