

No. 832,315.

PATENTED OCT. 2, 1906.

A. HESS.
INNERSOLE.
APPLICATION FILED MAR. 2, 1905.

Fig. 1.

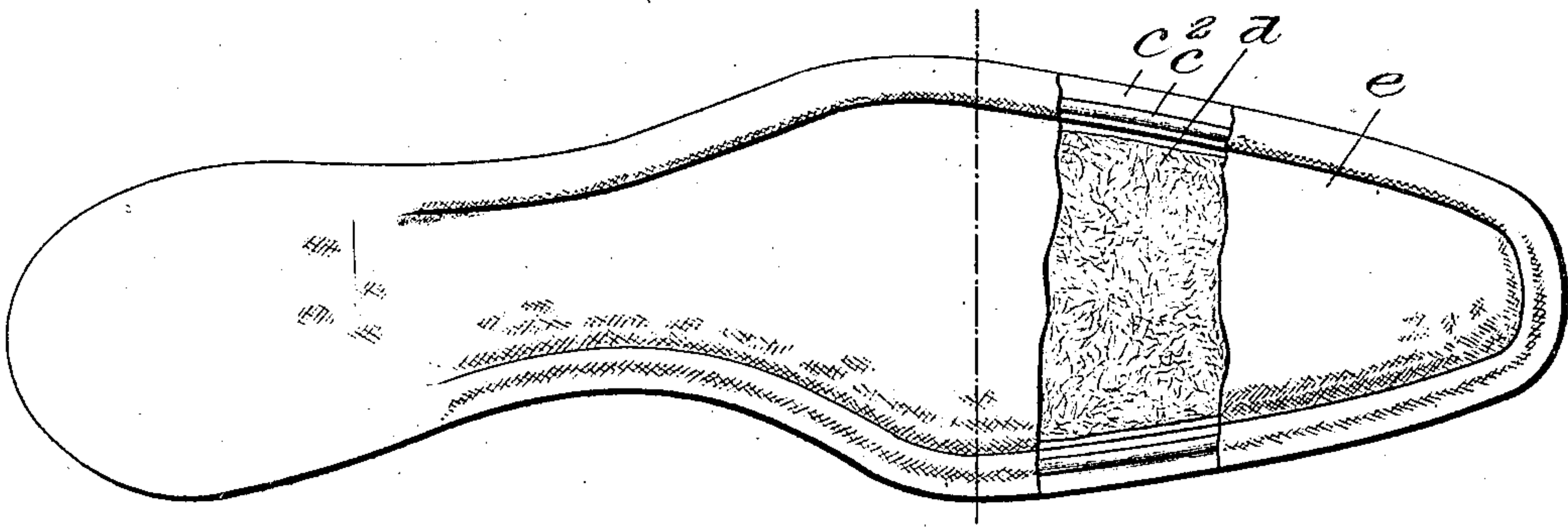


Fig. 2.

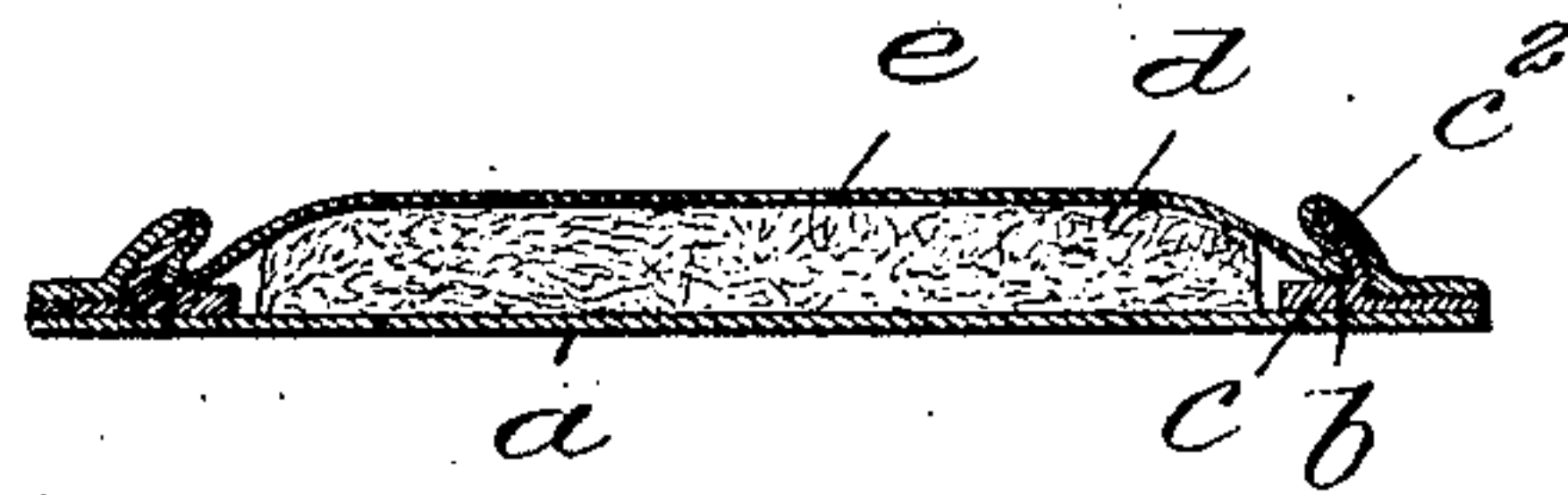


Fig. 3.

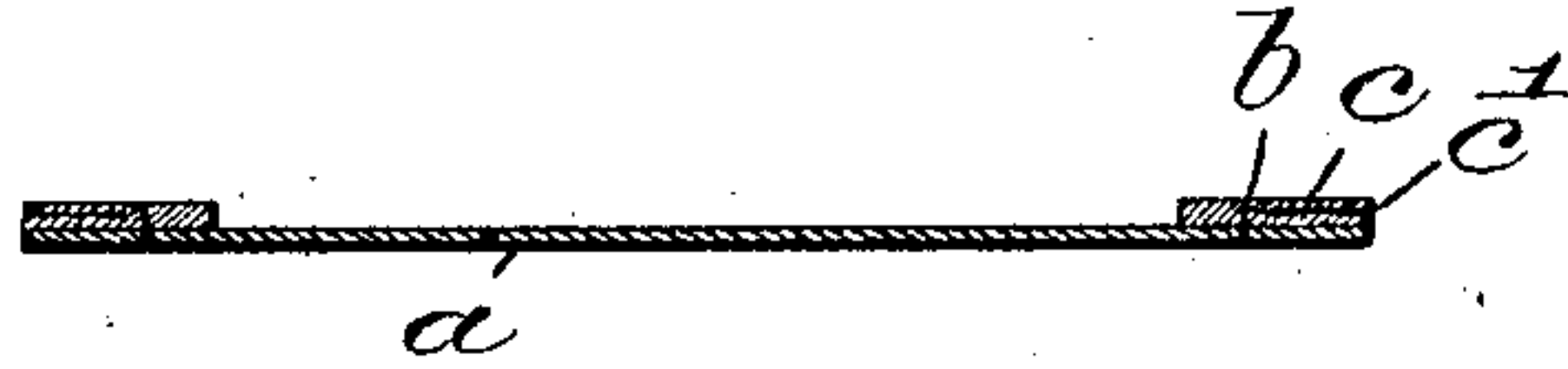
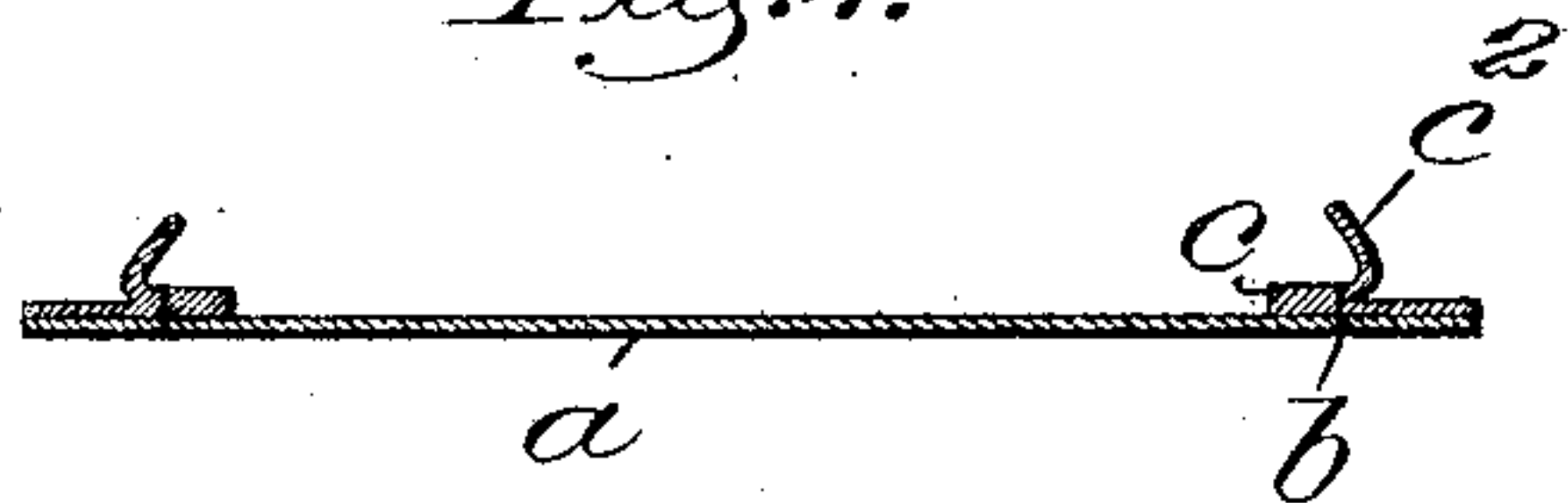


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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INNERSOLE.

No. 832,315.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed March 2, 1905. Serial No. 248,019.

To all whom it may concern:

Be it known that I, ALFRED HESS, a subject of the German Emperor, and a resident of Erfurt, Germany, have invented an Improvement in Innersoles, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention has for its object to provide a novel innersole for use in welted boots and shoes of the so-called "Goodyear" class, the object of my invention being the production of a cushioned innersole.

15 Figure 1 is a plan view, partially broken out, showing an innersole embodying my invention. Fig. 2 is a cross-section thereof. Fig. 3 is a cross-section of the inner face of the innersole and its attached edge strip. 20 Fig. 4 is a cross-section of the part of the sole shown in Fig. 3, with the outer edge of the strip slitted and turned upwardly to form a lip or flange through which the usual needle will be passed in attaching the usual welt to 25 the lip.

For the production of my novel innersole I take some suitable strong, yet flexible, material for the body *a*, which preferably will be of a textile nature, as canvas, and cut 30 the same into the shape required for the shape of the sole, said material constituting the inner or face side of the innersole. On one side of the material *a* of the innersole I stitch at *b* an independent lip-strip *c*, said 35 lip-strip constituting the lip of the channel of the innersole. This strip is composed of leather and is split at its outer edge, as shown at *c'*, Fig. 3. One part of the split outer edge of this strip is then turned upwardly 40 and inwardly from the position Fig. 3 into the position Fig. 4, leaving the upturned portion *c³* formed from a separate piece from the body *a* of the innersole, which separate piece is to be penetrated by the usual needle 45 of a sewing-machine when the sole is being applied in usual manner to the shoe. Next I lay on the part *a* of the innersole inside the

portion thereof bordered by said strip a padding *d*, which will preferably be of felt of, say, about three-eighths of an inch thick, 50 and extend said felt preferably into the shank of the innersole to about the line of the heel-breast of the shoe, the felt being preferably about three-sixteenths of an inch in thickness in said shank. This done, I 55 complete the innersole by laying on the padding *d* a cover *e* of textile material, the cover being cut of such shape and width that when laid on the padding its free edges may be made to embrace both sides of the upturned 60 part *c²* of the lip and be bent into the notch *c^x* at the bottom of the cut *c'* in the strip *c*, the edge of the cover coming to the edge of the face part *a*, constituting the body of the innersole. 65

In the manufacture of the shoe using the innersole herein illustrated the edge of the upper having a connected welt will be stitched to the cloth-covered upturned lip *c²* of the strip *c*, and thereafter the welt will 70 be turned outwardly and be stitched to an outer sole, as common in the manufacture of welted shoes.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is— 75

The herein-described innersole comprising a sole-shaped body having stitched at its fore part, toe, and into its shank, a lip-strip split at its outer edge, one portion of said 80 split strip being turned upwardly and inwardly, a padding laid on said body, and a cover crossing said padding, the edges of the cover embracing and inclosing the upturned portion of said strip, the edges of said cover 85 terminating at the edges of the body, all substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED HESS.

Witnesses:

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