June 21, 1932. H. LYON 1,864,311

WELT FOR BOOTS OR SHOES

Filed March 17, 1930

Fig. 1.

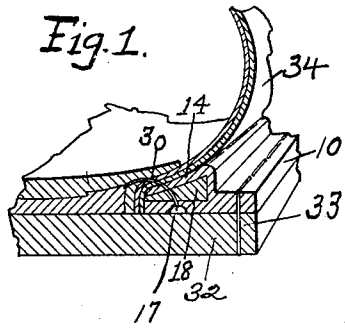


Fig. 2.

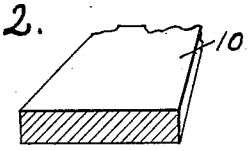


Fig. 3.

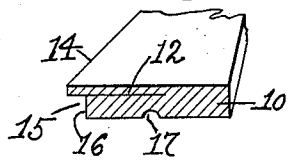


Fig. 4.

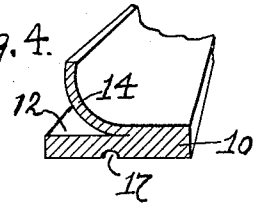


Fig. 5.

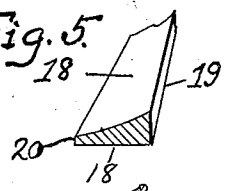


Fig. 6.

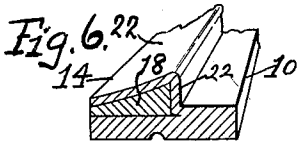


Fig. 7.

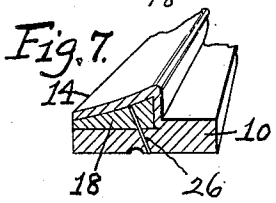
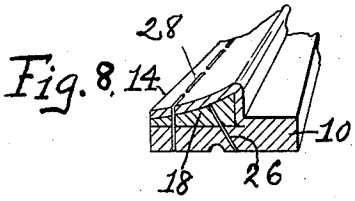


Fig. 8.



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UNITED STATES PATENT OFFICE

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WELT FOR BOOTS OR SHOES

Application filed March 17, 1930. Serial No. 436,419.

This invention relates to welts for boots or shoes.

One object of the invention is to provide a novel and improved construction of welt which enables a closer and a more desirable contact to be secured between the upper portion of the welt and the shoe upper than has heretofore been possible with other welts of which I am aware.

A further object of the invention is to provide a novel and improved construction of welt which affords a superior support for the shoe upper and permits a desirable snug fit to be secured between the upper surface of the welt and the shoe upper while permitting considerable variation in the exact positioning of the upper with relation to the welt during the manufacture of the shoe, without materially effecting the closure between the upper and the welt.

With these objects in view, the invention consists in the welt particularly defined in the claim at the end of this specification.

In the drawing illustrating the preferred embodiments of the invention—

Fig. 1 is a sectional view of a portion of a shoe embodying the present welt;

Fig. 2, a perspective of a portion of a strip of the stock from which the present welt is to be made;

Fig. 3, a similar view illustrating the first step in the formation of the welt from the stock illustrated in Fig. 2;

Fig. 4, a perspective view illustrating the formation of the flap;

Fig. 5, a perspective of the preferred form of filler strip used in the manufacture of the present welt;

Fig. 6, a perspective of the finished welt, and

Figs. 7 and 8, perspective views of modifications of the welt shown in Fig. 6.

In general the present invention contemplates a welt for use in the manufacture of boots and shoes which is provided upon its upper surface with a raised portion adapted to co-operate with the shoe upper and to form a relatively wide bearing surface for the upper, enabling a superior contact to be effected between the welt and the upper than has heretofore been possible with prior types of welts of which I am aware.

The welt may and preferably will be formed of the usual welting stock cut to form a flap of sufficient width to enclose a filler member, and the latter may and preferably will be shaped to provide a raised portion whose upper surface inclines downward toward the inner edge of the welt and to provide a raised bearing surface of substantial width which forms a substantially sharp edge with a vertical portion of the flap and upon which the shoe upper may be supported when the welt is embodied in a shoe.

The filler strip and flap may and preferably will extend to the inner edge of the welt and be included in the anchorage by which the welt is attached to the upper and the insole.

Referring now to the drawing as illustrated therein, 10 represents a strip of welting stock from which the present welt may and preferably will be made, and in the manufacture of the present welt the strip 10 is first cut to provide an incision 12 extending from the inner side of the strip to substantially midway thereof to form a flap 14. The strip is further cut out at 15 to form the inner edge 16 of the welt and to enable the flap-forming portion 14 to extend beyond the inner edge of the welt. The usual form of groove 17 is cut in the under surface of the strip, and after these cuts have been made, the flap-forming portion 14 is raised and a filler strip 18 inserted and the flap folded over the filler strip in the manner illustrated in Fig. 6.

The filler strip 18 is preferably formed in the shape illustrated in Fig. 5, having substantially vertical outer and inner walls 19, 20 and having the outer wall 19 of greater height than the inner wall 20, so that in the finished welt illustrated in Fig. 6, the upper surface 22 of the raised portion of the welt inclines downward and inwardly from the upper edge of the vertical portion of the flap which is formed by the outer wall 19 of the filler strip, preferably at an inclination conforming to the general curvature of the por-

tion of the shoe upper to be engaged and supported thereby.

It is preferred to form the upper surface of the strip with a slight curvature as illustrated, in order to provide a most efficient juncture between the welt and the engaged portion of the shoe upper 34.

The filler strip 18 may be formed of any of the usual materials now employed for the construction of filler strips, such as cork, leather, or the like, and the filler strip may be cut into the illustrated shape from a strip of stock rectangular in section.

In manufacturing the welt, after the strip 10 of welting stock has been cut to form the flap 14 and to produce the article illustrated in Figs. 3 and 4, the flap 14 is raised and the filler member 18 inserted under the flap and the latter folded around the flap to produce the product illustrated in Fig. 6.

In order to secure the flap-forming portion 14 to the filler member 18 and also to the body portion of the welt, the flap member 14 may be cemented or otherwise adhesively affixed to the filler member and the latter cemented or otherwise adhesively affixed to the body portion of the welt, producing the finished welt illustrated in Fig. 6.

As illustrated in the alternate form of welt shown in Fig. 7, the filler member 18 may be stitched by the stitching 26 to the body of the welt and the flap member 14 may be adhesively affixed to the filler member.

A still further modification of the invention is illustrated in Fig. 8, in which the filler member 18 is shown as secured by stitches 26 to the body of the welt and the flap member 14 is secured by stitches 28 located near the inner edge of the welt, and extending directly through both the filler and the body of the welt. The welt 10 may be secured to the outer sole 32 by the usual stitches 33.

As illustrated in Fig. 1, when a welt embodying the present invention is embodied in a shoe, the inseam stitches 30 are preferably arranged to extend as shown through the body of the welt, through the filter, and also through the flap, thus providing a secure anchorage for the filler and the flap.

From the description thus far, particularly by reference to Fig. 1, it will be observed that a superior and extended contact may be secured in the shoe between the upper and the relatively wide surface of the raised or step portion of the present welt.

This feature of the invention provides for a snug and efficient fit between the upper and the welt notwithstanding variations which may take place during the manufacture of the shoe in the fitting of the welt to the shoe upper.

Slight differences in the positioning of the welt with relation to the upper do not effect the closure between the upper and the welt and do not cause a gap between the raised or step portion of the welt and the shoe upper.

While the preferred embodiments of the invention have been herein illustrated and described, it will be understood that the invention may be embodied in other forms within the scope of the following claim.

Having thus described the invention, what is claimed is:

A welt for a boot or shoe comprising a body portion cut to form a flap normally extending beyond the inner edge of the said body portion, a filler strip inserted between said flap and said body portion and provided with an outer wall of greater height than the inner wall thereof and with an inclined upper surface extended from the outer wall to the inner wall and co-operating with said flap to provide the latter with a vertical portion of substantial height and with a substantially wide inclined portion which forms with the said vertical portion a substantially sharp edge and extends downward from said edge in close proximity with the inner edge of the body portion underlying the said flap.

In testimony whereof, I have signed my name to this specification.

HARRY LYON.