Aug. 28, 1928. 1,681,934

R. FULLI

SHOE HEEL

Filed Nov. 21, 1927

Fig. 1.

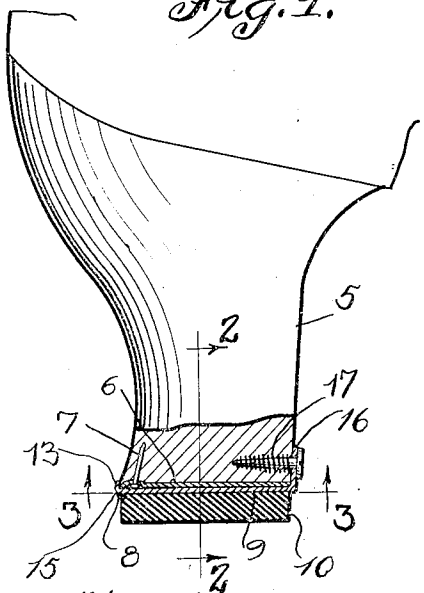


Fig. 7.

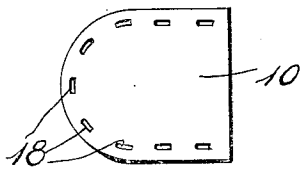


Fig. 2.

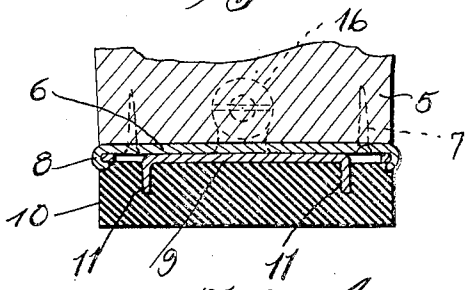


Fig. 3.

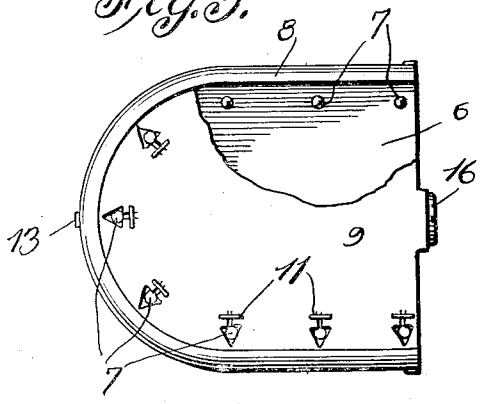


Fig. 4.

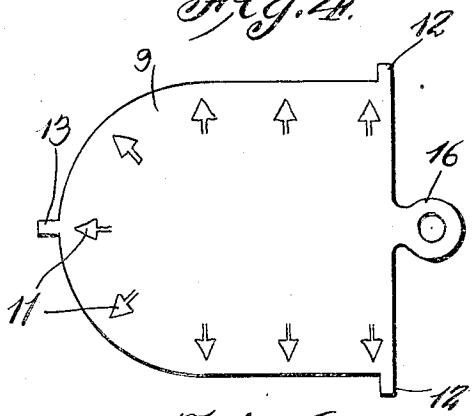


Fig. 5.

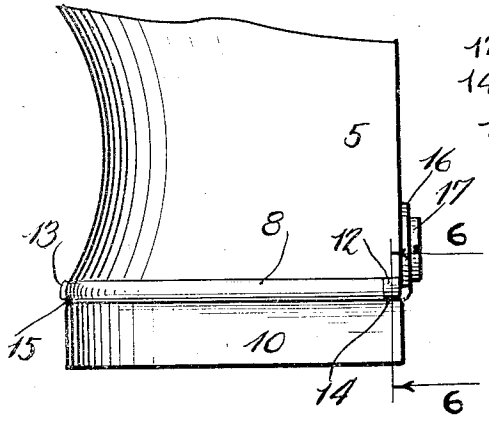
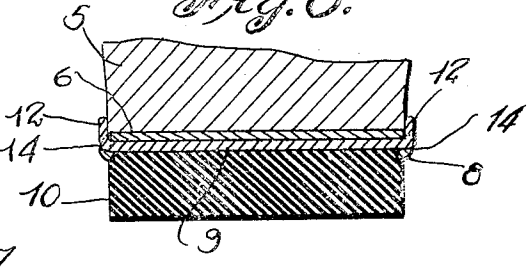


Fig. 6.



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UNITED STATES PATENT OFFICE.

ROBERT FULLI, OF NEW YORK, N. Y.

SHOE HEEL.

Application filed November 21, 1927. Serial No. 234,719.

This invention relates to shoe heels, and has more particular reference to an improved cushion heel lift and attaching means therefor.

The primary object of the present invention is to provide simple and efficient means for detachably securing a cushion heel lift to wooden heels commonly employed upon ladies shoes, whereby the cushion or said lift may be readily renewed from time to time as found necessary.

Other objects and advantages will become apparent as the nature of the invention is better understood, and the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters indicate corresponding parts throughout the several views,

Figure 1 is a fragmentary view partly in side elevation and partly in vertical section, showing a wooden shoe heel equipped with a cushion tread lift constructed and attached in accordance with the present invention;

Figure 2 is an enlarged fragmentary transverse section taken upon line 2—2 of Figure 1;

Figure 3 is a horizontal section on line 3—3 of Figure 1 and partly broken away;

Figure 4 is an enlarged plan view of the blank from which the lift-carried slide is formed;

Figure 5 is an enlarged side elevational view of the device shown in Figure 1;

Figure 6 is a fragmentary transverse section on line 6—6 of Figure 5; and

Figure 7 is a top plan view of the tread lift.

Referring more in detail to the drawing, 5 indicates a high form of wooden heel, commonly employed upon ladies shoes, and 6 indicates the main attaching plate of the present invention which is permanently secured flatly against the bottom of the heel 5 by means of nails 7 or the like driven through the plate 6 through the margin thereof and into the bottom of the heel 5 as shown. The main attaching plate 6 conforms substantially in size to the size of the lower end of the heel 5 and is formed along its sides and back with a downwardly and inwardly turned flange 8 which forms on the plate 6 a guideway open at the front or breast of the heel. A slide plate 9 is adapted to be removably slid into this guideway in contact with the under surface of the plate 6, the side and rear marginal portions of the plate 9 fitting or being received within the guideway as clearly shown in Figure 2. The slide plate 9 is attached to the upper surface of a cushion tread lift 10 preferably formed of moulded rubber, the attachment being effected by stamping downwardly from the plate 9 at the side and rear marginal portions thereof, a series of arrow head-shaped spurs 11 which are moulded or embedded in the lift 10 when the latter is formed. In this way, the lift 10 is permanently and effectively provided with the slide plate 9 so that detachment of the said lift from the plate 9 is insured against. Provided on the edge of the slide plate 9 adjacent the forward corners thereof are a pair of lateral tongues 12, and formed on the edge of plate 9 centrally of the back thereof is a further similar tongue 13. The flange 8 of the main attaching plate 6 is provided with slots 14 adjacent the forward corners of the plate 6 into which the tongues 12 are adapted to ride when the plate 9 is slid into the guideway formed by the flange 8, and formed centrally of the back portion of the flange 8 is a further slot 15 rearwardly through which the tongue 13 is adapted to pass when said plate 9 is inserted in the guideway. The tongues 12 and 13 when positioned in the slots 14 and 15 are bent upwardly or clinched at the edge of the main attaching plate 6 as clearly indicated in the several views, whereby the slide plate 9 is effectively operatively secured within the guideway with the lift 10 properly positioned and secured in place at the bottom of the heel 5. The attachment of the cushion tread lift is made more effectively secure by providing the slide plate 10 centrally of its forward edge with an apertured extension or ear 16 that is adapted to be bent upwardly at right angles to the body of the plate 9 so that when the latter is in place within the guideway formed by the flange 8, said ear 16 will engage the forward face or breast of the heel 5 for convenient reception of a screw 17 adapted to be threaded into the heel 5. By passing the screw 17 through the aperture of the ear 16 and threading the same into the heel 5, the detaching strains are effectively resisted where the plate 9 is free of connection or engagement at its edge with the main attaching plate 6. The screws 17 will also act to firmly force the

plate 9 into the guideway so that proper assembly is insured prior to bending or clinching of the tongues 12 and 13.

If desired, the lift 10 may be constructed as shown in Figure 7, the same being moulded with a plurality of marginal recesses 18 adapted to receive the spurs 11 which may then be securely vulcanized in the heel in any well known or preferred manner.

From the above description it will be seen that the present invention provides simple and efficient means for detachably securing a cushion heel lift to a shoe heel and particularly to wooden shoe heels commonly employed upon ladies' shoes. Should the tread lift 10 become so worn as to require renewal, the screw 17 may be readily removed and the tongues 12 and 13 flexed downwardly to the plane of the slide plate 9 as shown in Figure 4, whereupon the slide plate 9 may be readily slid forwardly out of the guideway formed by the flange 8. A new tread lift 10 provided with a similar slide plate 9 may then be applied, or the same slide plate 9 may be detached and used when applied to a further new lift constructed as in Figure 7.

Minor changes may be made without departing from the spirit and scope of the invention as claimed.

What I claim as new is:—

In a shoe heel, a main plate adapted to be nailed to the bottom of a heel body and having an apertured flange forming an open-front guideway on its under side, and a tread lift carrying plate removably slidably fitted in said guideway and having tongues on the side and rear edges thereof adapted to enter the apertures of the flange and to be clinched at the outer side of the latter.

In testimony whereof I affix my signature.

ROBERT FULLI.