HEEL CUSHION FOR SHOES

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This is a substitute application replacing my former application Ser. No. 714,189 filed May 17, 1924.

The object of the present invention is to provide a heel cushion for the interior of shoes, of such form as to afford a yielding support from the heel of the wearer and to have a positive movement when depressed to simultaneously grip the interior wall of the shoe and the heel of the wearer so as to prevent any relative movement between the shoe and the foot at the heel portion thereof.

The invention will be understood by reference to the accompanying drawings in which—

Figure 1 is a cross section through the heel portion of a shoe with an embodiment of the invention therein and illustrating in dotted lines the action of the device;

Figure 2 is a plan view of my heel cushion, and

Figure 3 is a longitudinal section through the same.

By reference to the drawings it will be seen that A represents the heel portion of a shoe, B the heel, and C the lower wall of the heel seat of the shoe. Resting on said inner wall is my improved heel cushion E.

By reference to Figures 1 and 3, it will be seen that my heel cushion is formed with the upper concave face 1 and the lower convex concave face 2, the wall or web between these faces being preferably of the least thickness or depth in the centre and gradually increasing in thickness toward the side and rear margins of the cushion. The margins of the cushion are bevelled for the purpose herein-after set forth. The cushion consists of a unitary structure preferably of rubber, cork or other resilient composition.

In Figure 1, I have indicated by the dotted line the approximate position of the heel of the wearer when its pressure is thrown upon the shoe and hence upon the heel cushion. It will be noted that in this position of the heel the intermediate or centre wall or web of the cushion has been depressed until it rests upon the heel seat C. In this movement of the cushion the base members e are forced outwardly and the upper margins are carried inwardly toward the foot, so that the cushion at its base grips the shoe and at its upper marginal area grips the foot of the wearer. In other words, depression of the web intermediately the two concavities causes the upwardly flaring margins to move toward each other and grip the heel, and the lower margins to spread outwardly and grip the inner wall of the shoe. By again referring to Fig. 1, it will be noted that in its normal position, there is a void or space between the outside body portion of the cushion and the wall of the shoe proper. Under ordinary conditions, without the cushion, the heel may move or rock slightly and particularly when the shoe begins to wear and there is a certain freedom of movement permitted. On the other hand, by employing the cushion, the space or void is occupied by the outside thickened portion of the cushion and due to the resiliency of the material, the upper thin edges grip the sides of the heel proper and thus prevents the shifting or rocking movement above referred to. It will also be noted that the marginal edges of the cushion are in a plane above the central wall or web portion both in its normal and depressed position as shown in dotted lines by said figures.

Having described my invention what I claim and desire to secure by Letters Patent is as follows:

1. A heel cushion of substantially thin resilient material adapted to be positioned within the body of a shoe, said cushion having an upper concave face and a centrally disposed concavity in its lower face, with an upwardly flaring margin, the top portion of said margin being movable toward the center of the heel upon depression of the cushion.

2. A heel cushion of substantially thin resilient material adapted to be positioned within the body of a shoe, said cushion having an upper concave face and a central concavity in its lower face forming a thin connecting web, said cushion having an upwardly flaring margin, the top portion of said margin being movable toward the center of said heel upon depression of the web.

3. A heel cushion of substantially thin resilient material adapted to be removably positioned within the body of a shoe, said cushion having an upper concave face and a central concavity in its lower face forming a thin connecting web, said cushion having a curved flaring margin, the top portion of said margin being movable inwardly and the bottom margin outwardly upon depression of the web.
4. A heel cushion of substantially thin resilient material adapted to be positioned within the body of a shoe, said cushion having an upper concave face and a central concavity in its lower face forming a thin web, said cushion having an upwardly curved flaring margin, the thickness of said cushion increasing from its center toward the margin and the top portion of said margin being movable inwardly toward the center of the heel upon depression of the web.

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

BENJAMIN ROSS.