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J. FELDMAN

1,976,441

CUSHION FOOT AND ARCH SUPPORT

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Fig. 1.

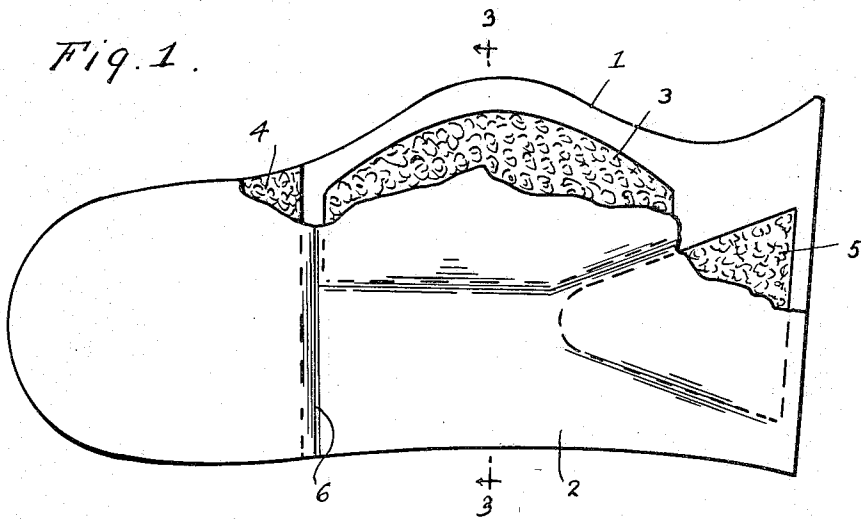


Fig. 2.

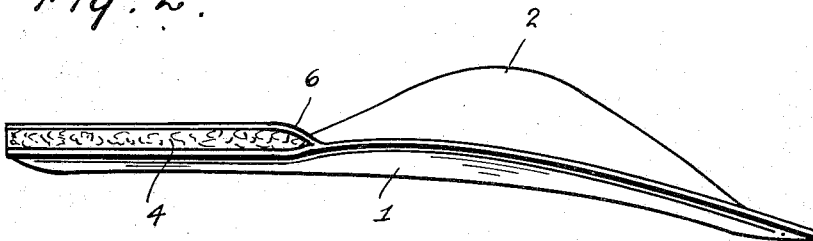
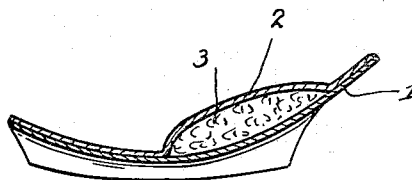


Fig. 3.



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UNITED STATES PATENT OFFICE

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CUSHION FOOT AND ARCH SUPPORT

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1 Claim. (Cl. 36—71)

This invention relates to a foot and arch support, the general object of the invention being to provide the device with cushions of sponge rubber or the like so that the device, when placed in a shoe, will support and preserve the arch and provide comfort for the foot while walking or standing.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claim.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a plan view of the device with parts broken away.

Figure 2 is an edge view.

Figure 3 is a section on line 3—3 of Figure 1.

As shown in these views, the device comprises an under layer 1 of relatively stiff leather and an upper layer 2 of more flexible leather with the cushions 3, 4 and 5 placed between the layers, as shown more particularly in Figure 1. These cushions are preferably formed of sponge rubber, with the cushion 4 at the heel and the edges of this cushion 4 are exposed at the edges of the heel part of the device, as shown in Figure 2. The cushion 3 is placed adjacent the inner side edge of the device and has its rear end slightly spaced from the front edge of the cushion 4, with its front edge spaced an appreciable distance from the front edge of the supporter. The cushion 5 is of substantially triangular shape, with its wide end spaced slightly from the front end of the supporter and substantially at the center thereof with a slight space between the inner edge of the cushion 5 and the forward part of the inner edge of the cushion 3, as shown in Figure 1. The inner edge of the cushion 3 is substantially straight at the center of the device and then said edge slopes forwardly and toward the inner edge of the device, as shown in Figure 1.

Thus the three cushions with the stiff lower member 1, shaped as shown, will act to support and preserve the arch of the foot and provide comfort to the wearer of the shoe and facilitate walking.

As shown more particularly in Figures 2 and 3, the member 1 is of arcuate shape in cross section with its ends substantially flat and the lower part of this member 1 is shaped to conform to the

heel, instep portion and that part of the shoe immediately in front of the instep portion, and the inner side of the member extends upwardly in a curve to receive or fit in the inner side portion of the instep of the foot. As the device is designed to support and preserve the arch of the foot, it must, of necessity, be made of sufficient stiffness to serve this purpose, as it acts as a firm support for the three cushions.

The front portion of the heel part of the device slopes downwardly and forwardly, as shown at 6, where it joins the instep portion of the device.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A cushion foot and arch support of the class described comprising an under member of leather of sufficient stiffness to form a support for the instep portion of the foot, said member being of substantially arcuate shape in cross section with its ends relatively flat and the intermediate portion of the inner side of said member curving upwardly to fit in the inner side portion of the instep part of the foot, a heel cushion of sponge rubber placed on the heel part of said member, a second cushion of sponge rubber placed on the front end of the member at substantially the central part thereof, an instep cushion placed on said member between the other two cushions and extending partly over the upwardly curved instep engaging portion of the member, with its outer edge spaced an appreciable distance from the outer edge of the member and said outer edge of the third cushion being substantially straight, but having its forward part sloping forwardly and inwardly and slightly spaced from the second cushion, the forward edge of the heel cushion sloping downwardly and forwardly, and an upper member of soft leather fastened to the lower member and covering the cushions.

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