

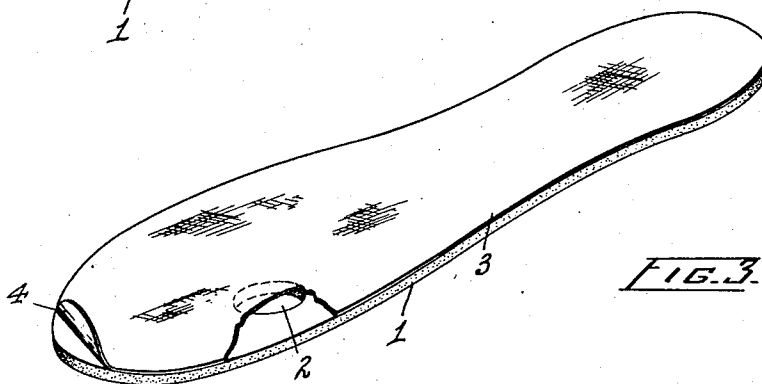
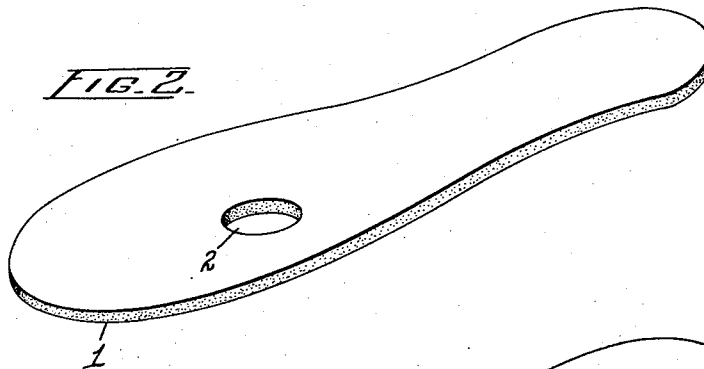
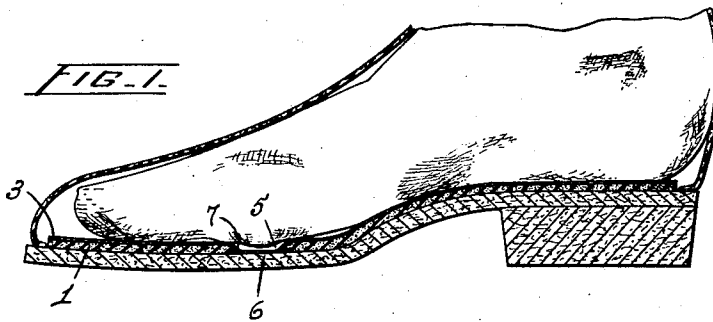
Oct. 27, 1959

M. EDELSTEIN

2,909,854

PRESSURE RELIEVING INSOLES

Filed Aug. 14, 1957



INVENTOR,
Marie Edelstein

1

2,909,854

PRESSURE RELIEVING INSOLES

Marie Edelstein, Toronto, Ontario, Canada

Application August 14, 1957, Serial No. 678,162

1 Claim. (Cl. 36—8.5)

The invention relates to improvements in pressure relieving insoles as described in the present specification and shown in the accompanying drawings that form a part of the same.

The main object of the invention is to provide means for supporting a foot within a shoe in such manner that any certain part of the foot, such as that part of the sole bearing a callosity, which would be painful if subjected to pressure, may be held suspended between surrounding parts of the insole and so completely relieved of pressure, so that the afflicted person is enabled to stand, walk or run without the discomfort which would result if the injured part was under constant pressure.

Another important object of the invention is to provide as a part of the insole simple cover means extendible from the top of the insole downwardly within the callosity receiving aperture, engaging the wall of the aperture and attachable by an adhesive to the inner sole of the shoe directly below the callosity so that the wall of the aperture surrounding the callosity is held against inward movement and cannot impinge the callosity and the insole itself is firmly attached to the shoe.

In describing the invention reference will be made to the accompanying drawings, in which:

Figure 1 is a longitudinal section through a shoe showing a foot having a callosity on the sole thereof supported by my insole with the callosity protected against pressure.

Figure 2 is a perspective view of the resilient, apertured insole without a fabric cover.

Figure 3 is a perspective view of the insole with a fabric cover thereon, the latter being broken away to show the aperture in the insole and, further, being turned up at the toe to show the adhesive coated under surface.

Like numerals of reference indicate corresponding parts in the various figures.

Referring to the drawings in which a complete embodiment of the invention is shown as adapted to the requirements of a person having a single callosity on his, or her, one foot, 1 denotes a pad composed of a resilient material such as foam rubber, of a thickness that when compressed through the weight of the wearer will still support the foot with the callosity spaced from the hard sole of the shoe.

This pad 1 is adapted to lie on the inner sole of the shoe and may be of sufficient size to cover the whole surface of the said inner sole, as shown in the present drawings, or it may be in the form of a half-sole.

The pad 1 is provided with an aperture 2 extending completely therethrough, such aperture being located at the proper point to receive the callosity and being of

2

somewhat larger plan area than the callosity so that there will be no danger of the callosity being impinged by the wall of the aperture.

It is obvious that the size, depth, shape and position of the aperture will be determined in each case by the size, substance, shape and position of the callosity on the foot. Furthermore, a pad may have as many apertures as there are callosities on the foot.

It will be apparent that when the foot of the wearer of the shoe is supported by an insole constructed as herein taught, with the callosity suspended in an aperture of proper size the callosity will be free of pressure from any source and will therefore not cause discomfort to the wearer of the shoe.

It is preferable that the pad 1 be securely attached to the inner sole of the shoe and to this end the top surface of the pad 1 has secured thereon a thin sheet of fabric 3 which extends across the aperture 2 and is provided with an adhesive coating 4 on its under surface by means of which it is secured to the pad. This fabric sheet is shown in the drawings as extending over the whole top surface of the pad but it may simply be of a size to cover the aperture 2 and provide a marginal part sufficiently large to extend onto the surrounding marginal part of the pad for securing thereto. When the pad has been properly located in the shoe with the aperture 2 positioned below the point at which the callosity will lie the portion of the fabric sheet 3 over the aperture is pressed downwards into the said aperture into adhering contact with the inner sole of the shoe so that there is formed a cavity or recess 5 to receive the callosity having a bottom 6. This fabric sheet when forced into the aperture 2 provides a lining 7 surrounding the cavity and this lining serves to hold the resilient edge defining the cavity steady and prevents undue lateral movement of the material around the aperture which, without such lining might move inwards under pressure and impinge the callosity.

The present invention provides effective means for preventing the application of pressure on the callosity so that in time the callosity will disappear and meanwhile the afflicted person will be able to stand and move about without experiencing pain.

What I claim as my invention is:

In a shoe including an outsole, an insole adapted to lie on said outsole, said insole having an aperture therethrough exposing a portion of said outsole from above, a sheet of flexible material overlying said insole and having a medial portion depressed into said aperture into surface engagement with the portion of said outsole which is exposed in said aperture, said flexible sheet having a cementitious coating on its lower surface to secure the portion of said sheet around said aperture to the top surface of said insole, and the medial portion of said sheet within said aperture to said outsole, said outsole secured to the insole entirely by the medial portion of said sheet within the aperture.

References Cited in the file of this patent

UNITED STATES PATENTS

171,987	Burke	Jan. 11, 1876
1,597,131	Wentworth	Aug. 24, 1926
1,675,711	Jones	July 3, 1928
2,055,574	Hartl	Sept. 29, 1936
2,699,003	White	Jan. 11, 1955