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C. H. WIERMAN

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SANDAL WITH MEANS FOR DETACHABLY ATTACHING AN OUTER SOLE THERETO

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2 Sheets-Sheet 1

Fig. 1

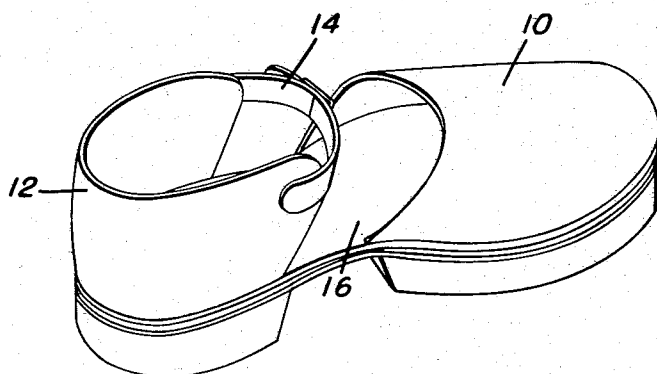


Fig. 3

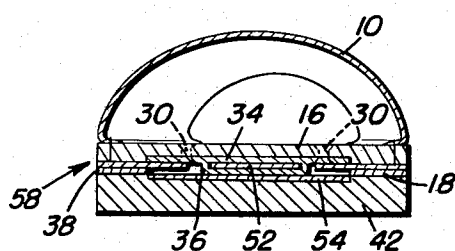


Fig. 7

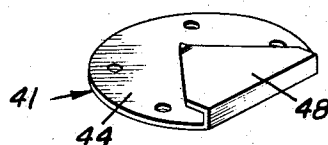
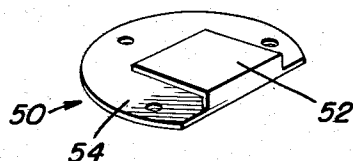
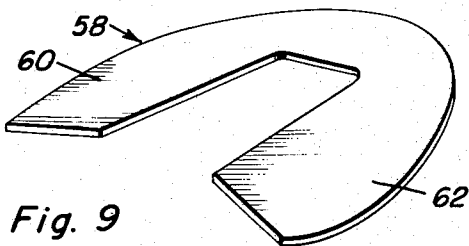


Fig. 8



Clyde H. Wierman
INVENTOR.

BY *Thomas A. O'Brien*
and Harvey B. Jacobson
Attorneys

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SANDAL WITH MEANS FOR DETACHABLY ATTACHING AN OUTER SOLE THERETO

Clyde H. Wierman, Ashland, Mass., assignor of fifty percent to Amando Giargiari, Ashland, Mass.

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1 Claim. (Cl. 36—15)

This invention relates to improvements in shoe or sandal construction and pertains more particularly to an improved manner in providing detachable upper and lower shoe sections.

A primary object of this invention is to provide an improved form of shoe construction which incorporates the use of upper and lower sections having interfitting members such that the sections may be readily attached and detached, the construction permitting a simplified form of interfitting members rendering the shoe or sandal of extremely economical construction.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of a sandal constructed in accordance with this invention;

Figure 2 is a longitudinal section taken through the assembly shown in Figure 1;

Figure 3 is a transverse section taken along the plane of section line 3—3 of Figure 2;

Figure 4 is a bottom plan view of the upper shoe section with portions thereof broken away and showing the positioning of the sub-sole in dotted lines;

Figure 5 is a top plan view of the heel member;

Figure 6 is a top plan view of the outer sole member;

Figure 7 is a perspective view of the heel anchor plate;

Figure 8 is a perspective view of the outer sole anchor plate; and

Figure 9 is a perspective view of the sub-sole.

Referring now more particularly to the drawings, it will be seen that the usual upper as employed in the construction shown utilizes front and rear upper portions 10 and 12 respectively, the rear upper portion being provided with an ankle strap 14 in the manner shown. These upper portions 10, 12 are securely fastened, as by stitching, to the insole member 16, the rearward portion of this insole member being thickened by use of the under insole member 18 as shown most clearly in Figure 2. This under member is recessed as at 20 to receive the anchor plate member indicated generally by the reference character 22 which embodies a main plate portion 24 firmly secured to the member 18 as by the rivets 26 and which also incorporates a triangular shaped pocket member 28, which pocket has its open side facing toward the front of the shoe. Securely fastened as by rivets 30 to the under surface of the forward portion of the insole member 16 is the anchor plate member 32 which also embodies a main plate portion 34 and a pocket member 36 which pocket opens in opposed relation to the previously described pocket 28 or toward the rear portion of the shoe.

An outer sole member 38 has the heel and toe wear members 40 and 42 respectively suitably fastened to its under surface and the heel member 40 is provided with

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a recess into which the lower anchor plate 41 is received with its main plate portion 44 suitably fastened as at 46 to the heel member 40 and also incorporating a tongue member 48 having a pointed free end disposed in overlying parallel relation to the plate portion 44 in the manner shown. It will be manifest that the outer sole member 38 is cut away in the area surrounding the tongue 48 and it will be noted that the upper surface of the tongue is flush with the upper surface of the outer sole member 38 so that the wearer will not feel the presence of the anchor plate. As seen most clearly in Figure 2, this tongue 48 is adapted to be received in the pocket 28 of the upper anchor plate member 22 to detachably secure the rearward portion of the outer sole 38 to the insole assembly 16.

Likewise, the toe member 42 is recessed to receive the anchor plate member 50 which is provided with a rectangular tongue 52 overlying its main plate portion 54, which plate portion is securely fastened as by the rivet 56 to the toe member. The tongue 52 is adapted to be received in the pocket 36 of the upper anchor plate assembly 32, thus completing the detachable securement of the lower section of the shoe, comprising the outer sole 38 and the heel and toe members 40, 42, to the upper section thereof comprising the insole 16, the under section 18, and the upper portions 10, 12.

Since the forward portion of the insole 16 is not provided with thickened under member similar to that shown at 18, the anchor plate 32 is secured to its under surface and to avoid irritation to the user's foot at this point, a U-shaped sub-sole indicated generally by the reference character 58 is provided between the insole 16 and outer sole 38 with legs 60 and 62 disposed on opposite sides of the upper anchor plate assembly 32.

In assembling the upper and lower sections, the tongue 48 is first forced into the pocket 28 and the upper and lower sections are bent upwardly in a U-shape with the lower section being bent at a smaller radius so that the tongue 52 can be inserted into its associated pocket 36 whereupon the shoe is returned to its normal flat position such that the tongues 48, 52 on the anchor plate members 41, 50 are firmly forced into the oppositely opening pockets 28, 36 with which they are associated.

It will be manifest that the weight of the user's foot on the sandal or shoe will then maintain the associated attaching or anchor plate in positive engagement and that the construction of the triangular shaped pocket 28 and its corresponding tongue 48 taken in conjunction with the rectangular pocket 36 and its associated tongue 52 will effectively prevent any lateral side play between the upper and lower shoe section.

By this construction, several styles of uppers may be utilized with a single lower sole assembly and it will also be evident that when the lower sole assembly becomes worn beyond practical limits it may be discarded and a new lower section purchased.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

In a shoe, an upper including an insole having toe and heel portions, an outer sole under said insole, said outer sole having toe and heel portions and thick toe and heel wear members secured to the underside thereof, a thickened insole member interposed between the heel

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portions of the insole and outer sole and secured thereto, a pair of upper and lower anchor plates recessed into the thickened insole portion and heel wear member and having a socket and tongue thereon, respectively, said tongue being slidably engageable in said socket to detachably attach said plates together and the socket and tongue being triangular for engaging with a wedging action, said heel portion of the inner sole member being apertured to accommodate said socket and tongue, and

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means detachably attaching said toe wear member to the toe portion of said insole.

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