Jan. 29, 1963 A. F. BECKER 3,075,307

SHOE ATTACHMENT

Filed March 17, 1961

Fig. 1

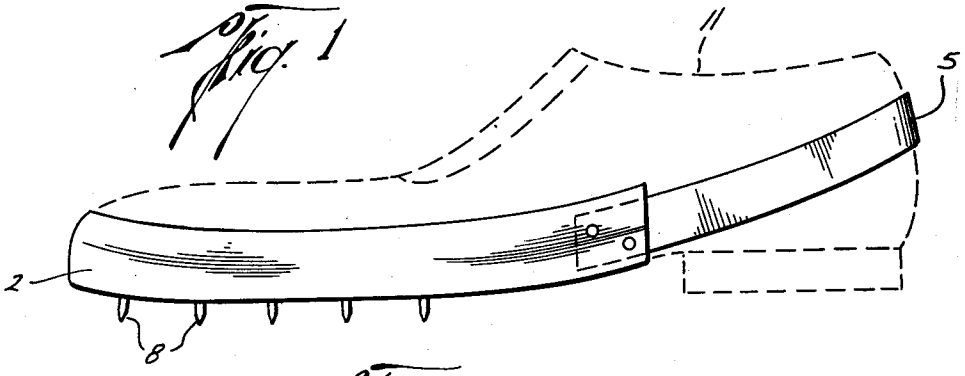


Fig. 2

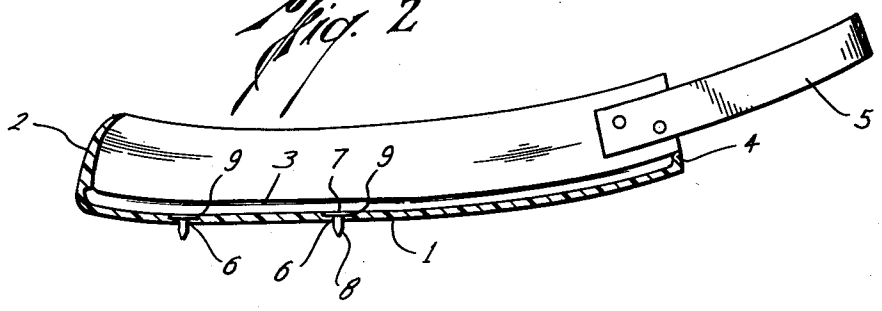


Fig. 3

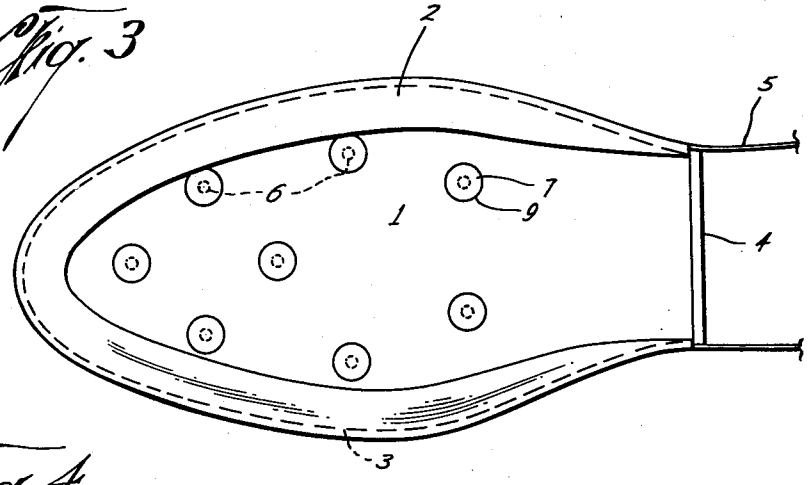
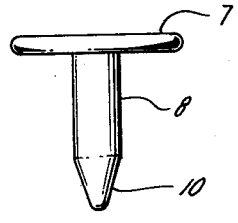


Fig. 4



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SHOE ATTACHMENT

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This invention relates to new and useful improvements in a shoe attachment.

It is an object of this invention to provide an attachment for shoes that may be quickly and easily applied to convert a street shoe into a golf shoe.

It is another object of the invention to provide an attachment for shoes for use in golfing, or similar sports, having detachable spikes mounted therein.

It is another object of the invention to provide an attachment for use in sporting activities, consisting of a novel article of manufacture, inexpensive to manufacture and easily stored while not in use, and readily applied to ordinary shoes.

It is still a further object of the invention to provide a novel article of manufacture for use on shoes having novel means for anchoring the attachment to the sole of a shoe and for preventing water or mud from entering between the attachment and the sole of the shoe.

It is another object of the invention to provide an attachment for shoes having a novel spike, readily demountable from the attachment and of novel construction providing comfort of use and proper grip on the turf while on the shoe of the user.

With the above and other objects in view, the invention has relation to certain novel features of construction, arrangement of parts and use more specifically defined in the following specifications and illustrated in the accompanying drawings, wherein:

FIGURE 1 is a side elevational view of the attachment mounted on a shoe.

FIGURE 2 is a side elevational view of the device, in cross section.

FIGURE 3 is a fragmentary top view of the device, and

FIGURE 4 is a side elevational view of the spike employed.

Referring now more particularly to the drawings, the numeral **1** designates a sole of flexible plastic material, or the like, having the side member **2** integral therewith which extends upwardly over the lower portion of the shoe and which tapers to a feather edge on the top margin of the attachment.

A groove **3** is formed inside of the attachment around the juncture of the side member with the sole, to receive the protruding edge of the sole of a shoe. This groove tapers out along the side margin of the sole **1** past the outermost curve on the longitudinal sides of the sole **1**. An upwardly turned, integral member **4** is formed on the rear end of the sole **1**, and the forward end of the sole **1** is upwardly turned to follow the contour of the shoe sole in the position of a toe bend as in completing a step.

A flexible strap **5** extends from the respective terminals of the side member **2** for mounting the attachment on to a shoe, the strap being mounted to pass over the curve of the heel of the shoe, exerting a constant rearward and upward pressure on the attachment.

A plurality of openings **6**, **6** are formed in the sole of the attachment **1** in the usual pattern for golf shoes. The area surrounding the openings **6**, **6** is thickened and protrudes slightly outwardly from the bottom of the sole **1**. The area around each opening **6** on the top surface of the sole **1** is countersunk as **9** forming a snug seat for the head **7** of the spike **8**. The spike **8** may be formed of any suitable rigid material, such as nylon or steel, and has an enlarged head **7**, the side margins of the head **7**

being convex so that no sharp edges are present, and the shank being cylindrical, terminating in a blunt point **10**, the shank of the spike **8** being of any desired length, it being contemplated that various lengths of spikes may be employed to suit the use and the user.

When it is desired to use the attachment for golfing, or the like, the shoe, as **11**, of the user is inserted into the attachment so that the protruding portion of the shoe sole is inserted into the groove **3** and the strap **5** is passed around the rear of the shoe **11** above the curve of the heel. If the spikes **8** become unsuitable for use, they may be readily backed out of the ports **6** and a new spike substituted therefor, the head **7** of the spike **8** seating in the countersunk recess **9**. The head **7** is thus on a level with the top surface of the sole **1**, and maintained in place by the pressure of the shoe of the user.

If it is desired to use the attachment for boating, or the like, the spikes **7**, **7** may all be quickly removed, and the raised area around the openings on the bottom surface of the sole will serve as a non-skid attachment.

While the foregoing is considered a preferred form of the invention, it is by way of illustration only, the broad principle of the invention being defined by the appended claims.

What I claim is:

1. In an attachment for shoes, a flexible sole having an upper and lower surface, a side wall member integral with said sole, spike head receiving seats formed in the upper surface of said sole, means for securing said sole to a shoe and detachable spikes having spike heads mounted in and extending through said sole and the heads thereof seated in said seats and maintained therein by the pressure of the sole of the shoe of a user.

2. In an attachment for shoes, a flexible sole, a side wall member integral with said sole, means for securing said sole to shoe seats formed in the upper surface of said sole and detachable spikes mounted in and extending from said sole, the said seats being of the same depth as the thickness of the spike head so that the sole of the shoe of a user will bear against said heads, the side wall member tapering to a feather edge on the top margins thereof.

3. In an attachment for shoes, a flexible sole, a plurality of openings through said sole, the area around each of said openings in the top surface of said sole being countersunk, spikes having shanks and heads, the heads thereof being round and flat and having convex side margins and being seated in said countersunk areas, the top of said heads being level with the top surface of the flexible sole and in position to be contacted and maintained in said seats by the bottom surface of the sole of the shoe of a user and the shanks thereof extending through said openings and means for maintaining said sole on the shoe of a user.

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