April 16, 1935. E. E. STURGEON 1,998,342

REMOVABLE GOLF SPIKE

Filed Sept. 23, 1933

Fig. 1.

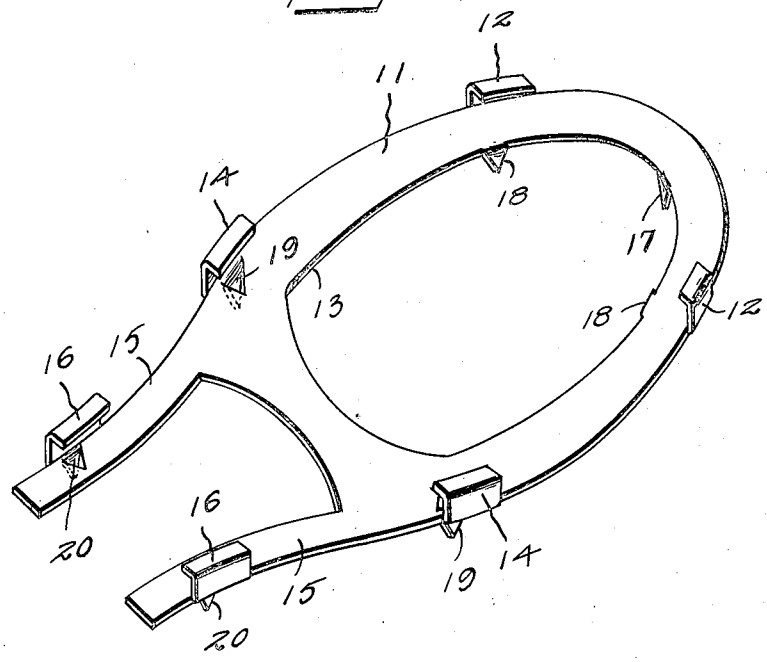


Fig. 2.

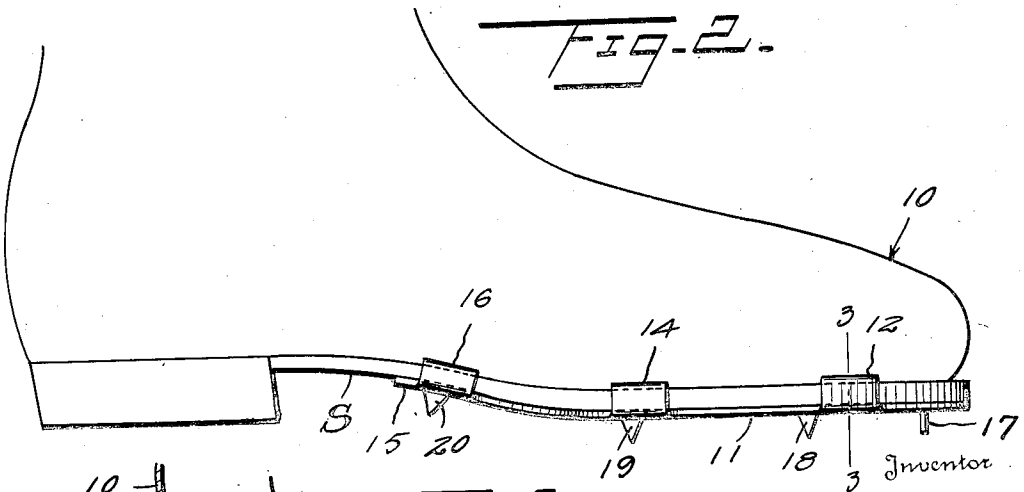
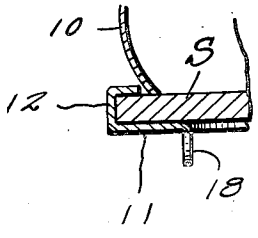


Fig. 3.



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REMOVABLE GOLF SPIKE

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Application September 23, 1933, Serial No. 690,713

1 Claim. (Cl. 36—7.7)

This invention relates to attachments for shoes and more particularly to an attachment for shoes embodying cleats to permit the use of ordinary shoes as a shoe for the game of golf or the like.

An object of this invention is to provide an attachment which can be mounted on any conventional type of shoe or, if desired, can be mounted on a shoe used in the game of golf having cleats or pegs thereon.

Another object of this invention is to provide a device of this kind which can be easily mounted on a shoe structure and can be removed without injury or marking of the shoe by the cleat attachment.

The above and various other objects and advantages of this invention will in part be described and in part be understood from the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawing wherein:—

Figure 1 is a detail perspective view of an attachment constructed according to the preferred embodiment of this invention.

Figure 2 is a detail side elevation of the device in applied position on a shoe.

Figure 3 is a fragmentary sectional view taken on the line 3—3 of Figure 2.

Referring to the drawing wherein like characters of reference designate corresponding parts throughout the views, the letter S designates the sole of a shoe structure of conventional construction which preferably projects outwardly beyond the body 10 of the shoe.

In order to convert a conventional shoe structure into a shoe adapted for use in playing the game of golf, that is, in order to mount cleats or pegs on the bottom of the shoe structure 10 without interfering with the normal use of the shoe, I have provided a sole plate 11 having the central portion 13 thereof cut out.

This plate 11 is adapted to engage the bottom of the sole S and is provided adjacent the forward end thereof with a pair of L-shaped lugs or sole clamping members 12. The plate 11 adjacent the rear thereof is also provided with a second pair of lugs 14 which are similar in construction to the front lugs 12 and are adapted to engage the sole of the shoe S at the forward portion of the instep or rearwardly of the ball of the shoe. The plate 11 is provided at the rear thereof with a pair of rearwardly extending arms or resilient clamping members 15 which engage the bottom of the sole S at the instep thereof, and a pair of clamping members 16 are secured one to each arm 15 and are adapted to engage about the sole S at the instep. These clamping members 16 are L-shaped in construction in the same manner as the clamping members 12 and 14.

A front cleat or peg 17 is integral with the plate 11 and projects at substantially a right angle to the length of the plate 11 and is disposed, in the present instance, transverse to the length of the shoe 10. A pair of front side cleats or pegs 18 are carried by or integral with the plate 11 at a point adjacent the front clamping members 12.

A pair of rear cleats or pegs 19 are struck from the body of the plate 11 and bent at substantially a right angle to the lower face of the plate 11 and are disposed adjacent the rear clamping members 14. A further set of cleats or pegs 20 are struck from the arms 15 and not only act as cleats but also act as releasing levers to facilitate the release of the rear clamping members 16 from the sole of the shoe. This is accomplished by pressing the cleats or levers 20 inwardly or toward each other, thereby twisting the arms 15 and pulling the upper leg of the clamping members 16 away from the sole S. By reason of the cut out central portion of the plate 11, when the device is mounted on a shoe provided with worn pegs or cleats, such pegs or cleats will normally be disposed within the opening 13 so that the top of the plate 11 will contact with the bottom of the sole S.

The device is mounted on the sole of a shoe in the following manner. Initially the clamping members 12, 14 and 16 on one side of the device are engaged with one edge of the sole and the other or opposite clamping members 12, 14 and 16 are disposed with the upper edges of these clamping members contacting against the bottom of the shoe sole. The plate or skeleton member 11 may then be bent in the direction of the bottom of the sole which will cause the unengaged clamping members 12, 14 and 16 to have their upper edges forced outwardly and if necessary, one or more of the clamping members individually may be bent or flexed outwardly so that the inwardly extending upper edge portion of the clamping members will pass over the outer edge of the sole. The clamping members 12, 14 and 16 may then be forced upwardly and released after the upper edges thereof pass the upper edge of the shoe sole so that the device will be firmly clamped onto the bottom of the sole of the shoe.

It will, therefore, be obvious that the device herein disclosed may be used on a sole having a smooth bottom, that is, a conventional shoe, or may be used on a shoe having cleats or pegs dis-

posed in spaced relation upon the bottom of the shoe.

It is, of course, understood that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof, such changes and modifications being restricted only by the scope of the following claim.

What is claimed is:—

An attachment as set forth comprising a plate having the marginal portions thereof co-extensive with the outsole of the shoe, cleats integral with the plate and extending downwardly therefrom, shoe clamping members integral with the plate and extending upwardly of the other side of the plate, a pair of yieldable arms integral with the plate and extending rearwardly therefrom and beneath the instep portion of a shoe, clamping members integral with said arms, and means carried by said arms for releasing said latter clamping members to remove the plate from the sole.

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