

United States Patent

Adair

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[54] OVERSHOE FOR GOLF

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[51] Int. Cl. A43b 1/10
[58] Field of Search..... 36/7.1, 7.3, 2.5 R, 2.5 AH

[56] References Cited

UNITED STATES PATENTS

3,559,309 2/1971 Taylor 36/7.3

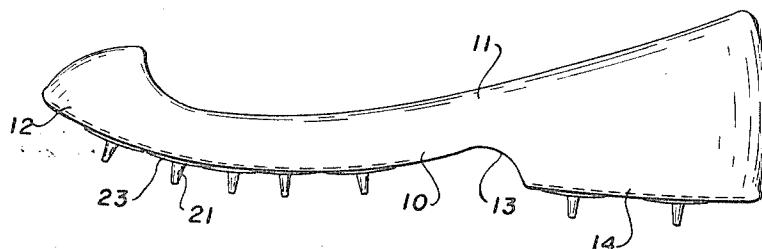
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[57] ABSTRACT

The specification discloses an overshoe for use in playing golf and other sports. The overshoe is of the flexible resilient kind which is stretched over an ordinary shoe and it has a plurality of cleats to give good footing. The cleats are located within holes in the outer sole of the shoe and have threaded stems which are engaged within threaded openings in washers located on the inside of the overshoe. The washers are overlain by separate heel and sole pads which are in turn overlain by a complete insole.

11 Claims, 3 Drawing Figures



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FIG. 1.

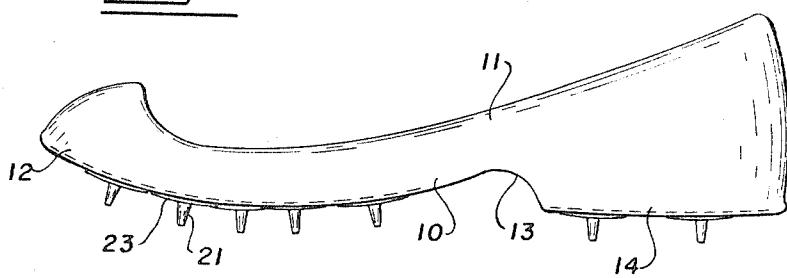


FIG. 2.

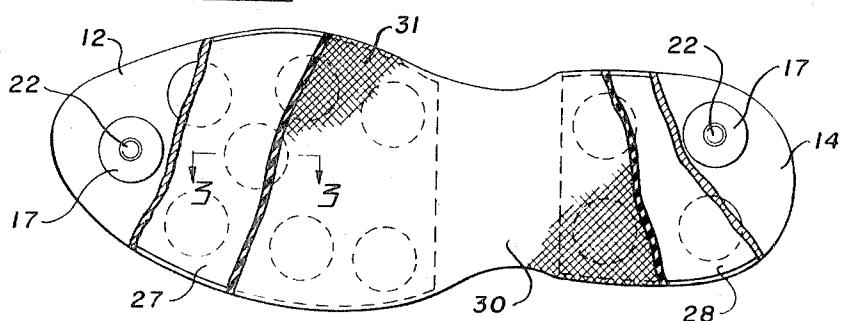
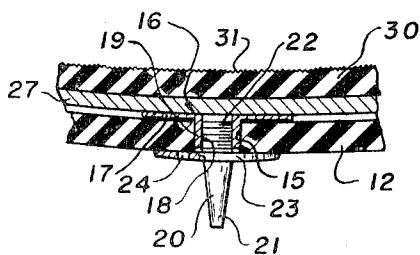


FIG. 3.



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OVERSHOE FOR GOLF

This invention is concerned with an overshoe for use in playing golf or other sports. Existing golf shoes are expensive and require tedious attention after use in wet or muddy conditions. The present invention seeks to provide an inexpensive cleated overshoe which is to be worn over ordinary shoes. The overshoe of this invention may be used exclusively in wet or muddy conditions or it may be used in any conditions by a player who does not have and does not wish to spend a considerable amount of money on, regular golf shoes.

Several overshoes for playing golf have been proposed in the past but they have all had their drawbacks. Some have been in the form of galoshes which are heavy and have a tendency to move relatively to the shoe over which they are worn and this of course defeats the purpose of wearing a cleated shoe. Others have had cleats secured to the undersole in such a way that tearing of the overshoe is likely to occur as the foot is twisted. Others have given inadequate protection to the ordinary shoes of the wearer and still others have been uncomfortable to wear and heavy. This invention seeks to provide an overshoe for golf which avoids or alleviates these problems.

According to one aspect of this invention there is provided a flexible, resilient overshoe of the kind which is stretched over an ordinary shoe, a plurality of spikes located within corresponding holes in the sole and heel portions of the overshoe and cooperating with securing means located within the overshoe, separate sole and heel pads overlying the securing means on the sole and heel portions of the overshoe respectively and a full insole overlying the sole and heel pads.

With such an arrangement the shoe has the rigidity required of the sole and heel portions to give good footing, it is by nature an overshoe which remains substantially fixed relatively to the shoe over which it is worn and yet it is lightweight and has sufficient flexibility at the arch portion of the shoe to allow easy and unimpeded walking.

The securing means for the cleats preferably take the form of a relatively large diameter washer, the central hole of which is screw-threaded and within which a screw-threaded stem of the cleat is received. Desirably the cleat is of a kind having a dished flange separating the ground-engaging spike portion thereof and the stem and the flange is of slightly lesser diameter than the washer to which the cleat is secured. In this way the tendency for the material of the overshoe to be torn by relative movement of the spike and overshoe is greatly reduced.

Preferably the washer has a central, internally screw-threaded sleeve around its central opening which is located within the holes formed in the outsole of the overshoe and within which the stem of the cleat is received. In this way there is known engagement of the stem at the periphery of the hole in the overshoe through which it passes so that any forces tending to tear the overshoe are transmitted to the outer peripheries of the flange of the cleat and the washer there acting to compress the material of the overshoe.

The sole and heel pads are conveniently of leather or a material to give relative rigidity in the sole and heel regions of the shoe and to prevent the securing means for the cleats being felt by the wearer.

Desirably the insole which overlays the sole and heel pads is of relatively firm rubber and has on its upper surface, i.e., that surface which is contacted by the regular shoe of the wearer, a nonslip pattern.

An embodiment of this invention is illustrated, schematically, in the accompanying drawings of which

FIG. 1 is a side elevation of an overshoe according to this invention,

FIG. 2 is a plan view of the sole portion of the overshoe of FIG. 1 with parts removed for clarity and

FIG. 3 is a section on the line 3—3 of FIG. 2.

The shoe comprises a rubber outsole 10 and a rubber upper 11 which are vulcanized together in a manner known per se in the production of toe rubbers. Both uppers and outsoles are flexible so that the overshoe can be stretched over a regular shoe and will be held firmly thereto.

The outsole has a sole portion 12, an arch portion 13, and a heel portion 14.

Holes are formed in the sole and heel portions of the outsole of the shoe in the pattern in which it is required that the cleats be distributed over those regions of the shoe. One such hole is identified in FIG. 3 by the reference character 15.

Washers indicated generally at 16 in FIG. 3 are then located in the holes 15. The washers comprise a disk 17 with a central opening 18 around which is secured or is formed, a tubular sleeve 19 which is, as can be seen in FIG. 3, internally screw-threaded. The sleeve 19 is located within the holes 15 and preferably the washer is secured in position by an adhesive.

A cleat 20 may then be secured to the washer 16. It is preferred to use cleats of the general kind disclosed in U.S. Pat. No. 2,624,128 and which have a ground-engaging spike portion 21 and a securing, screw-threaded stem 22, the stem and spike being separated by an annular flange 23 which is concave on the stem side. The flange 23 preferably has holes 24 for engagement by an appropriate wrench to facilitate the insertion and removal of the cleats. The stems are screwed into the sleeve 19 of the securing washer 16 and are of such lengths as not to project above the upper surface of the washer 16.

Most desirably the outer diameter of the washer 16 is a little greater than the outer diameter of flange 23 in this way to avoid the tendency of the outsole to be torn by movement of the cleat relatively to that outsole.

Located within the overshoe and overlying the securing washers of the sole and heel portions respectively are sole and heel pads 27 and 28 respectively. The pads are preferably of relatively stiff leather so that the slight projection of the securing washers above the inner surface of the outsole of the shoe cannot be felt and additionally so that in the sole and heel regions of the shoe it has the necessary rigidity to give a good footing.

Overlying the sole and heel pads 27 and 28 is a rubber insole 30 which extends over the whole of the inner part of the shoe, i.e., over both sole and heel regions and the arch region of the shoe. The insole 30 preferably has a nonslip surface 31 as for example it has a knurled surface.

The sole and heel pads may be secured to the insole and outsoles of the shoe by adhesive and preferably the insole 30 is secured to the remainder of the overshoe by vulcanizing.

It is to be appreciated that the overshoe herein described is subject to various modifications which do not deviate from the scope of this invention and that it provides an affective shoe which will protect a regular shoe and give a good footing when used in games such as golf. Additionally the shoe is strong and durable and cheap to produce.

I claim:

1. An overshoe for playing golf and other sports comprising a flexible, resilient overshoe of the kind to be stretched over an ordinary shoe, a plurality of cleats located within corresponding holes in the sole and heel portions of the overshoe and cooperating with securing means located within the overshoe, separate sole and heel pads overlying the securing means on the sole and heel portions of the overshoe respectively and a full insole overlying the sole and heel pads.

2. A shoe as claimed in claim 1 in which the cleats are of the kind having a screw-threaded stem by which they are secured in the overshoe, and the securing means within the overshoe comprises a disc having a central screw-threaded hole within which the screw-threaded stem of the cleat is received.

3. An overshoe as claimed in claim 2 in which said securing means comprises a sleeve around the central opening of said disc and internally screw-threaded and said stem is received therein.

4. An overshoe as claimed in claim 1 in which said cleat is of the kind having a ground-engaging spike portion and a screw-threaded stem, the stem and ground-engaging spike portion being separated by an annular flange and said securing means comprises a washer of relatively large diameter and having a screw-threaded central opening within which the stem of the cleat is located.

5. An overshoe as claimed in claim 4 in which said washer has an axial sleeve around its central opening, said sleeve being internally threaded and being engaged within the holes in the sole and heel portions of the overshoe and said stem of the cleat is secured in said sleeve.

6. An overshoe as claimed in claim 4 or claim 5 in which said washer is of slightly larger diameter than said flange of the cleat.

7. An overshoe as claimed in claim 1 wherein said sole and heel pads are of relatively rigid material such as leather.

8. An overshoe as claimed in claim 1 or claim 7 in which said full insole has a nonslip pattern on its upper surface.

9. An overshoe as claimed in claim 1 or claim 7 in which said insole is of rubber and is bonded to said overshoe.

10. An overshoe for golf and other sports comprising a flexi-

ble, resilient overshoe of the kind which is stretched over an ordinary shoe, a plurality of cleats located within corresponding holes in the sole and heel portions of the overshoe, said cleats comprising ground-engaging spikes and a screw-threaded stem, the spike and stem of each cleat being separated by an annular flange, relatively large diameter washers within the overshoe and having screw-threaded central apertures for cooperation with the threaded stems of the cleats, the diameter of said washers being slightly greater than the diameter of said annular flanges of the cleats and insole means overlying said washers.

11. An overshoe as claimed in claim 10 in which said insole means comprises separate sole and heel pads and a complete insole overlying the sole and heel pads.

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