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CLEAT FOR SPORT SHOES.

Filed Nov. 12, 1926

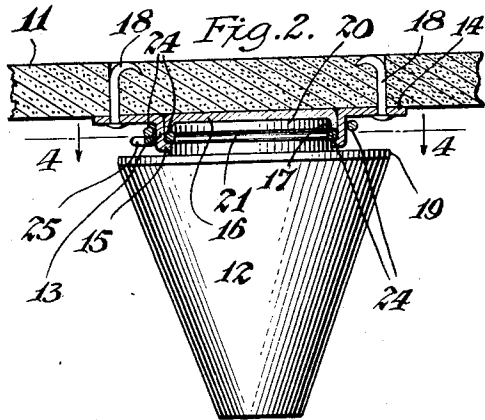
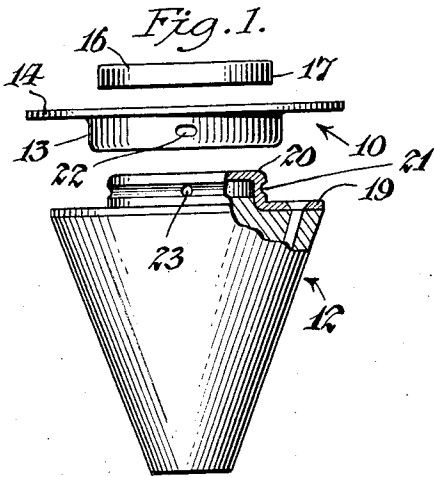


Fig. 3.

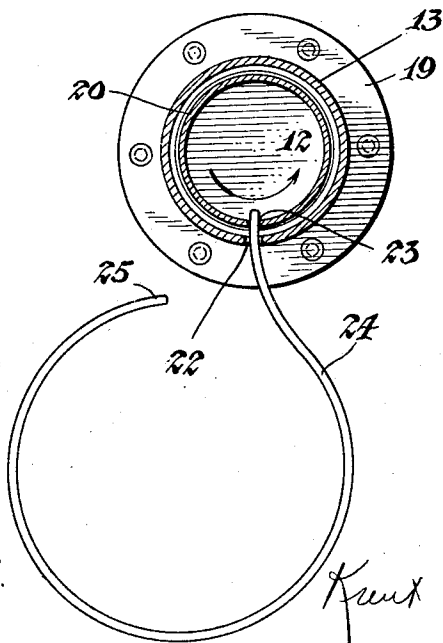
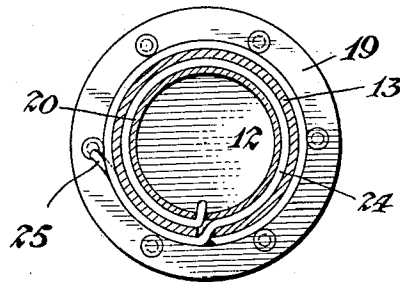


Fig. 4.



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UNITED STATES PATENT OFFICE.

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CLEAT FOR SPORT SHOES.

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This invention relates to a cleat for sport shoes and aims particularly to provide a cleat for football shoes that will be firmly attached to the sole of the shoe to provide a secure foothold, and one that can at the same time be readily detached to permit replacement of a worn cleat or the substitution of a cleat of a different type designed to meet the conditions of the playing field.

The invention provides an anchoring member that is permanently attached to the sole of the shoe and adapted to receive the base of the cleat. The anchoring member and the base of the cleat are each formed with a groove, and a piece of wire is placed in the groove to prevent separation of the parts.

While a preferred form of the invention has been disclosed for purposes of illustration, it should be understood that various changes may be made in the structure without departing from the spirit and scope of the invention as hereinafter set forth and claimed.

In the drawings:

Fig. 1 is an exploded view showing the parts of the cleat assembly;

Fig. 2 is an elevation partly in section showing the parts assembled;

Fig. 3 is a view similar to Fig. 4 showing the start of the assembling process;

Fig. 4 is a section on line 4—4 of Fig. 2.

The cleat assembly includes the anchoring member 10 which is adapted to be permanently secured to the sole 11 of the shoe, and the detached cleat member 12. The anchoring member is formed with a cylindrical body 13 having an outstanding annular flange 14 projecting from the upper end thereof and an inturned flange 15 at its lower end. A disc 16 fits within the body 13 and has a depending flange 17 of such a length that when the disc is placed within the body 13 and pushed down flush with the top of flange 14 the end of flange 17 is spaced from flange 15 to form an annular groove. After the disc has been positioned within the body 13 the flange 14 is secured to the sole 11 by nails 18, or any fastening means.

The body of the cleat is frusto-conical in shape and is formed out of suitable material such as leather or hard rubber. A cap 19, suitably secured to the upper end of the cleat, is pressed from sheet metal and has a round projecting central head 20 of a size to exactly fit within the flanges 15 and 17 as shown in Fig. 2. An annular groove 21 is formed in

the side of the head 20 in such a position that when the parts are assembled as in Fig. 2 the groove 21 will coincide with the groove in the anchoring member to form an annular channel. Moles 22 and 23 are formed through the body 13 and head 20 respectively in alinement with the annular channel.

After the head 20 has been inserted in the anchoring member the holes 22 and 23 are brought into registration and an end of a wire 24 is inserted through the holes. The cleat body 12 is then gripped and rotated counterclockwise, thereby winding the wire into the annular channel as shown in Figs. 2 and 4. With the parts in this position the head of the cleat fits firmly into the socket of the anchoring member and the wire 24 engages the coinciding grooves in the anchoring member and head to prevent longitudinal disengagement of these parts.

When it is desired to replace the cleat the end 25 of the wire is pulled while the cleat is rotated clockwise, thereby unwinding the wire from the annular channel and permitting ready removal of the cleat.

We claim:

1. In a cleat for sport shoes, a sole, an anchoring member attached to the sole and having a groove formed therein, a cleat member extending into the anchoring member and having a groove formed therein, and a securing member inserted in the grooves.

2. In a cleat for sport shoes, a sole, an anchoring member attached to the sole and having a groove formed therein, a cleat member extending into the anchoring member, and having a groove formed therein, coinciding with the groove in the anchoring member, and a securing member inserted in the grooves.

3. In a cleat for sport shoes, a sole, an anchoring member attached to the sole, an annular groove formed within the anchoring member, a cleat having a head secured thereto, the head being of a size to fit within the anchoring member, a groove formed in the head and coinciding with the groove in the anchoring member, and a securing member inserted in the grooves.

4. In a cleat for sport shoes, a sole, an anchoring member having a cylindrical body, an outturned flange on the upper end of the body, and an inturned flange at the lower end of the body, a disc fitting within the body and having a flange in spaced relation

to the inturned body flange to form a groove in the anchoring member, the outturned flange being secured to the sole, a cleat member extending into the anchoring member and having a groove formed therein, and a securing member inserted in the grooves.

5. In a cleat for sport shoes, a sole, an anchoring member having a cylindrical body, an outturned flange on the upper end of the body, and an inturned flange at the lower end of the body, a disc fitting within the body and having a flange in spaced relation to the inturned body flange to form a groove in the anchoring member, the outturned flange being secured to the sole, a cleat having a head secured thereto, the head being of a size to fit within the anchoring member, a groove formed in the head and coinciding with the groove in the anchoring member, and a securing member inserted in the grooves.

6. In a cleat for sport shoes, a sole, an anchoring member having a cylindrical body, an outturned flange on the upper end of the body, and an inturned flange at the lower end of the body, a disc fitting within the body and having a flange in spaced relation to the inturned body flange to form a groove in the anchoring member, the outturned flange being secured to the sole, a cleat member having a head fitting within the anchoring member, a groove formed in the head and coinciding with the groove in the anchoring member, apertures formed in the anchoring member and in the head, and a wire extending through the apertures and fitting into the grooves.

In testimony whereof we affix our signatures.

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