

Feb. 19, 1929.

1,702,800

LE CROYE SILVEY

GOLF SHOE

Filed May 16, 1928

2 Sheets-Sheet 1

Fig. 1.

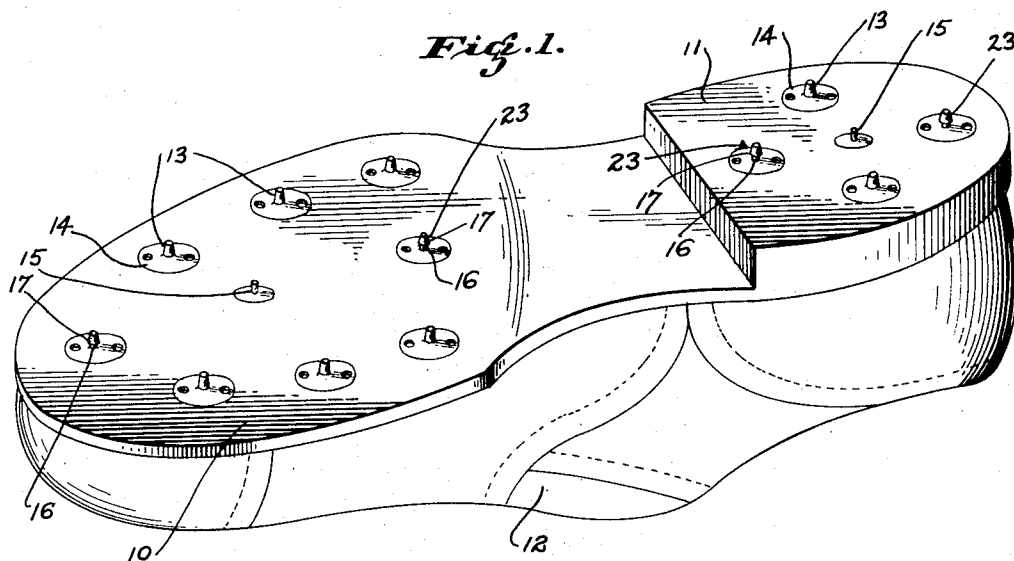
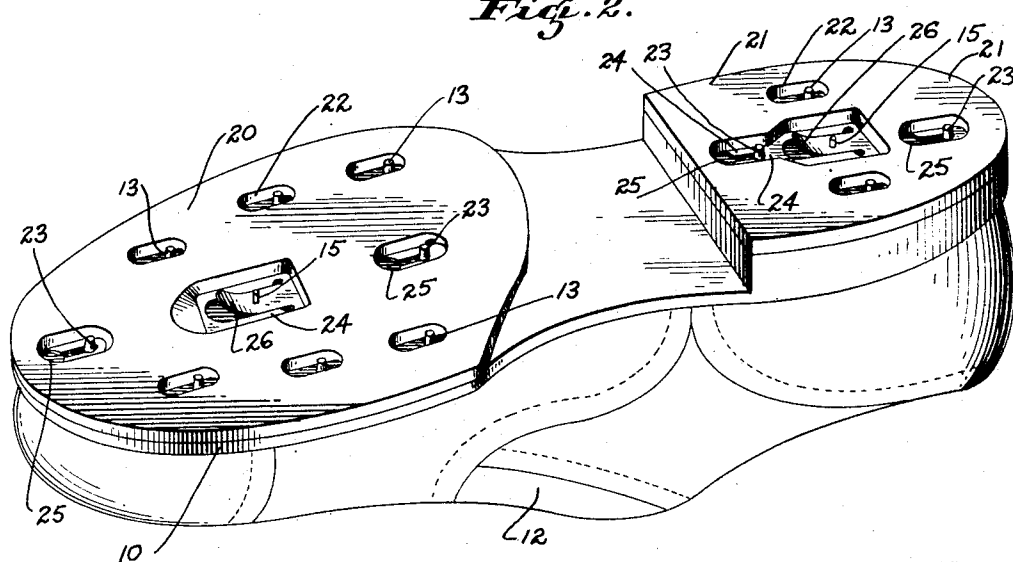


Fig. 2.



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Fig. 3.

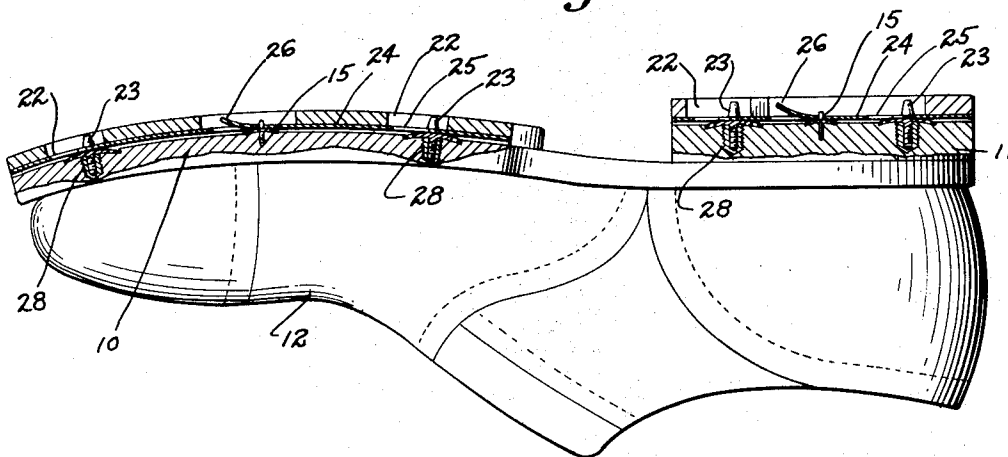


Fig. 4.

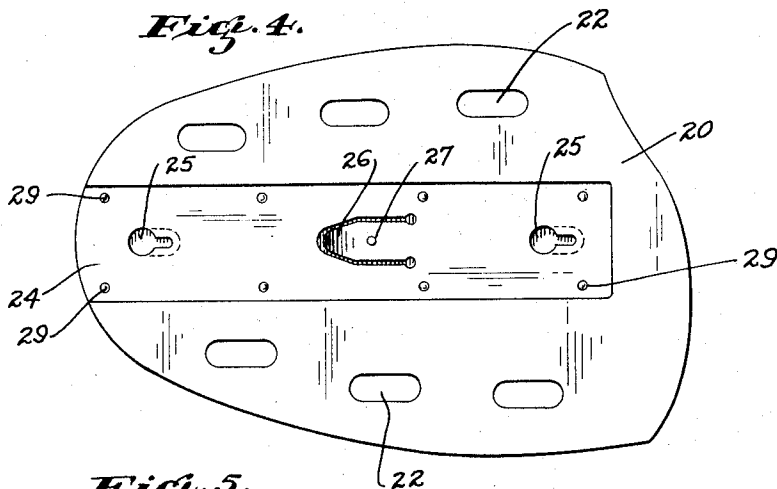


Fig. 5.

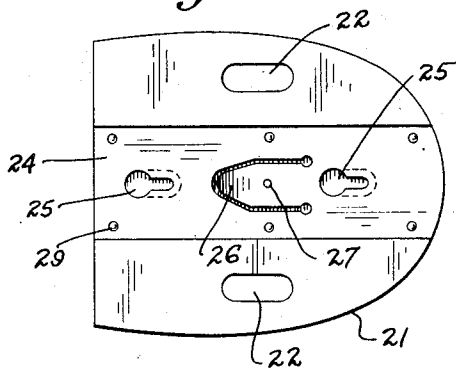
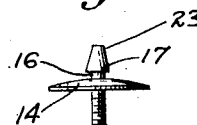


Fig. 6.



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UNITED STATES PATENT OFFICE.

LE CROYE SILVEY, OF SAN FRANCISCO, CALIFORNIA.

GOLF SHOE.

Application filed May 16, 1928. Serial No. 278,176.

My present invention relates to a new and useful improvement in footwear and particularly to a removable protective sole and heel for spiked shoes.

5 An object of my invention is to provide a detachable protective sole and heel for spiked shoes which can be readily attached to a spiked shoe for the purpose of providing a spikeless tread.

10 A further object of my invention is to provide a novel means of securing said protective members to the sole of a shoe of the above type.

15 A further object of my invention is to provide a novel arrangement whereby the protective members may be secured to the bottom of the shoe by means of the spikes themselves whereby visible securing means are avoided.

20 Another object of my invention is to provide, in addition to the above securing means, a novel locking means whereby the protective members, after being secured to the sole and heel of the shoe, may be securely locked

25 against accidental displacement. My invention further consists in the construction and novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying 30 drawings, and pointed out in the claims here-to appended, it being understood that various changes in form, proportion, and minor details of construction may be resorted to without departing from the principle or 35 sacrificing any of the advantages of this invention.

For a fuller understanding of my invention, reference should be had to the accompanying drawings, in which—

40 Figure 1 is a perspective view of a sport shoe suitable for golf,

Figure 2 shows my improved protective sole and heel applied to the shoe illustrated in Figure 1,

45 Figure 3 is a partial sectional view of the shoe shown in Figure 1, showing the manner of engaging the protective cover retaining spikes,

Figures 4 and 5 are detail plan views of my 50 improved sole and heel protectors, and

Figure 6 is a detail view of one of the spikes modified so as to cooperate with the protective covering and hold it in position.

55 In Figure 1 of the drawing, I show a shoe having a sole 10 and a heel 11 constructed in the usual manner and secured to a suitable

upper 12. The sole 10 and the heel 11 are shown as provided with projecting spikes 13 which in the present instance are provided with a broad flange 14 and a threaded pro- 60 jection projecting from the opposite side thereof from the spikes 13 which is adapted to be screwed into the sole and heel of the shoe. The arrangement of the spikes is im- 65 material, but the arrangement shown in the drawings is representative of the usual ar- rangement, the spikes being distributed uni- formly over the surface of the sole and heel and particularly about the outer edges there- 70 of. In addition to the spikes 13, I also provide a locking pin 15 at a point approximat- ing the center of the sole and heel. These pins 15 cooperate with a locking means car- 75 ried by the protective covering for the purpose of securing the same in place as will hereinafter appear. In order to adapt the spikes to the additional function of securing the protective coverings thereover I propose to form at least two of the spikes on both the 80 sole and heel with under-cut grooves 16 so as to form shoulders 17 thereupon, as shown in more detail in Figure 6.

In Figure 2 it will be seen that the sole 10 and heel 11 are provided with an auxiliary or protective sole and heel 20 and 21, respec- 85 tively. It will also be seen that the auxiliary sole and heel 20 and 21 are each provided with elongated openings 22 into which the spikes 13 project. It should be noted at this point that the auxiliary sole and heel portions 20 90 and 21 are made of a thickness sufficient to prevent the extension of the spikes 13 there- through and, as a result, it will be seen that when the auxiliary sole and heel 20 and 21 95 are secured to the shoe, a spikeless or smooth tread will be produced. In the particular embodiment of my invention illustrated, I have provided the under-cut groove 16 on the two centrally aligned spikes of both the sole 100 and heel portions of the shoe. These spikes I shall designate by the numeral 23, it being understood that their only difference over the spikes 13 is in the provision of the under-cut groove 16 which forms thereupon shoulders 105 17. Located adjacent the openings 22 which lie about the spikes 23, I provide a metallic member 24 which carries key-hole slots 25 adapted to cooperate with the under-cut 110 groove 16 and secures the protective sole or heel upon the shoe. The member 24 in the present embodiment also carries a flexible or spring tongue 26 having a hole 27 therein

which is adapted to cooperate with the pins 15 and hold the member 24 with its key-hole slots into locked engagement with the spikes 23.

5 By referring to Figures 3, 4, and 5 of the drawings it will be seen that the members 24 extend substantially lengthwise and centrally of the auxiliary sole and heel members and that the spring tongue 26 is substantially midway between the undercut spikes 23. In the particular shoe illustrated, the spikes 23 are shown as threaded into a metallic plug 28 which is applied to the shoe prior to the application of the spikes. As 10 previously stated, the members 24 are constructed of a resilient or spring material, which, by reason of this characteristic, will not interfere with the flexing of the sole during the act of walking. It will also be evident from the showing in Figure 3 that by reason of the flexing of the member 24 the auxiliary sole will be snugly held to the sole of the shoe at all times for, as illustrated in this figure, the member 24 is slightly flexed 15 at all times and, as a result, the sole 10 and the auxiliary sole 20 will be held in close contact. In Figures 4 and 5 the members 24 are shown as secured along the central part of the sole and heel portions by means of rivets 29 or the like. It will also be seen that the tongue 26 is flared outwardly at the end thereof where it can be engaged by the finger to thereby pull it outwardly beyond the end of the pin 15 so as to permit a longitudinal sliding movement of either the auxiliary sole or heel portion and movement of the key-hole slots 25 out of engagement with their co-operating spikes 23 and thus permit removal of the protective members. 20 25 30 35 40 45 50 55

From the foregoing description it will be seen that I have provided an exceedingly

economical, durable, and efficient auxiliary protective sole for spiked shoes and the like 60 which may be quickly applied to or detached from the shoe, and one which possesses the requisite degree of flexibility necessary to the comfort of the wearer and may be securely locked to the shoe against accidental 65 displacement in walking.

While I have shown the preferred form of my invention as now known to me, it is to be understood that various changes may be made in its construction without departing 70 from the spirit of the invention as defined in the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent is— 75

1. In sport footwear, the combination of a shoe having spikes projecting from the sole and heel thereof, an auxiliary sole and heel for said shoe having a thickness greater than the length of said spikes, said auxiliary sole and heel having openings into which said spikes project, and means carried by said auxiliary sole and heel adapted to cooperate with said spikes and hold said auxiliary sole and heel thereover whereby a smooth tread 80 85 will be provided.

2. In sport footwear, the combination of a shoe having spikes projecting from the sole and heel thereof, auxiliary sole and heel pieces for said shoe of a thickness greater than the length of said spikes and having elongated openings therein into which said spikes project, shoulders formed upon at least two of said spikes, and means secured to said auxiliary sole and heel adapted to slidably engage said shoulders and retain said sole in place upon the shoe whereby a spikeless tread will be provided. 90 95

3. An auxiliary protective sole for spiked shoes comprising an auxiliary sole piece having a plurality of openings into which the spikes project when the auxiliary sole is in place upon the shoe, and means secured to said auxiliary sole adjacent some of said openings adapted to cooperate with said spikes and hold said sole in its spike protecting position upon the shoe. 100 105

4. The combination of an anti-slipping spike for sport shoes and the like, a protective covering for said spike, and means upon said spike adapted to cooperate with said protective covering and hold the same thereover to thereby produce a smooth tread when desired. 110

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