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A. KOENIG

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GOLFER'S SHOE

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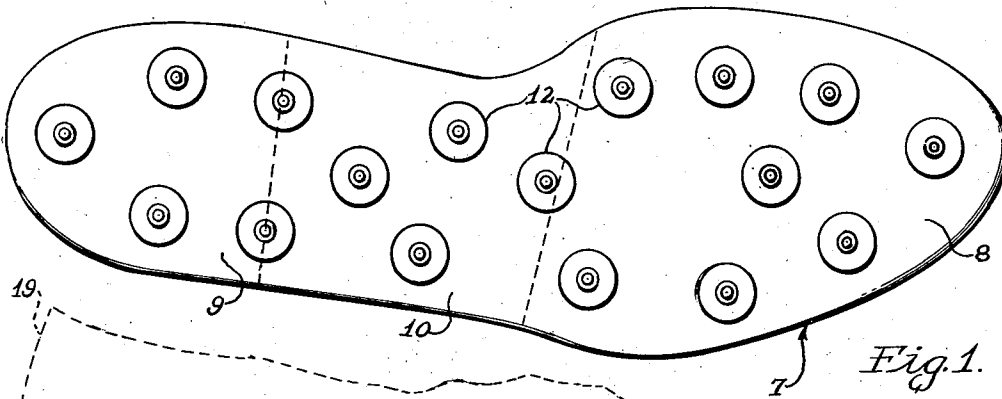


Fig. 1.

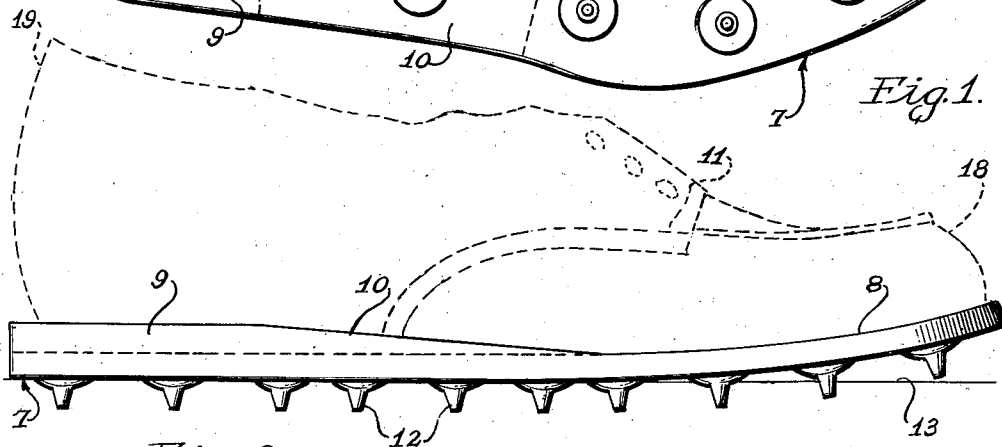


Fig. 2.

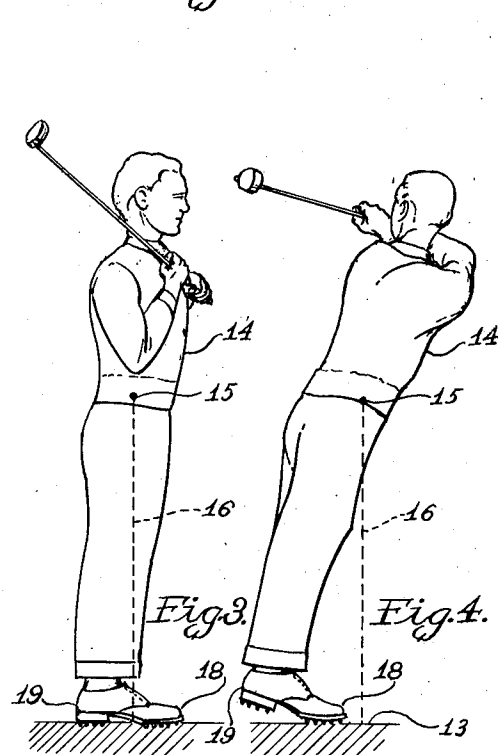


Fig. 3.

Fig. 4.

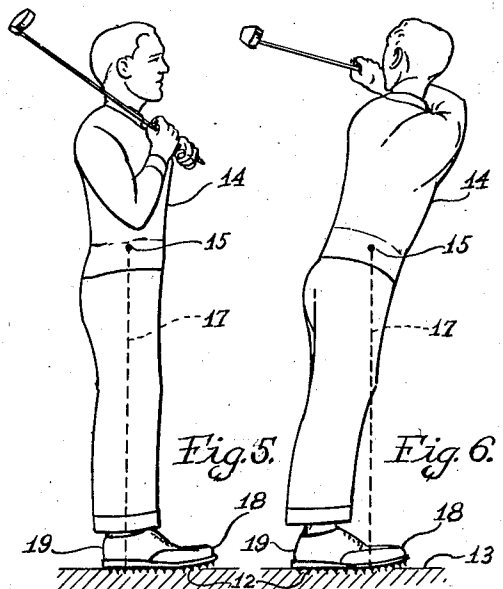


Fig. 5.

Fig. 6.

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GOLFER'S SHOE

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2 Claims. (Cl. 36—2.5)

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My invention relates to improvements in shoes worn by golfers.

An important object of my invention is to provide in a shoe to be worn by golfers, a sole which will permit the golfer to assume a position or stance during play, whereby the center of gravity of the individual golfer, or player, at all times, will be confined within the span of the base line, or foot support, so that the tendency of shifting the weight of the body, and the center of gravity of the body, will be maintained within the span of the foot support, thus maintaining at all times, the equilibrium of the golfer.

Another object of my invention is to provide a sole having a flat bottom with a slightly inclined shank between the thickened heel portion, and the ball portion thereof, the said sole assuming intimate contactual relation throughout its length with the golf course ground surface upon which the shoes are to be worn and used, the bottom of the sole being equipped with calks, or pegs, for insuring good and substantial ground gripping features, the said pegs being distributed throughout the entire sole portion, including the shank portion, and the heel portion, in other words, the pegs cover the entire bottom surface of the sole.

A further object of my invention is to provide a sole, for a golf shoe, which will enable a golfer wearing the said shoes to maintain his equilibrium during driving operations insuring good ground footage and support of the shoe with the ground surface, at the same time making available a sole and shoe structure which is neat in appearance, and economical to manufacture in quantity production.

A further object of my invention is to improve the golfer's balance throughout his entire swing, give him a more secure stance, to prevent heel impressions on putting greens, and to eliminate the gathering of mud on shank of the sole when playing in wet weather.

Other features, objects and advantages inherent in my invention, will become apparent from an examination of the accompanying drawings, bearing further elucidation in the ensuing description, wherein like symbols are used to designate like parts, and in which Fig. 1 is a bottom view of the sole structure comprising my invention.

Fig. 2 is a side view of the sole structure of my invention illustrated in Fig. 1, showing the upper connected thereto, which forms an immaterial part of my invention, and which may be made in any customary manner, selecting for

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purposes of design and style any suitable pattern desirable.

Figs. 3 and 4 show the driving of a ball by a golfer wearing the present form of golf shoe, having a heel element.

Figs. 5 and 6 are positions of a golfer, before and after driving operations, similar to the illustrations of Figs. 3 and 4, with the exception that in this particular instance, the golfer is wearing shoes equipped with soles according to the teachings and practices to be hereinafter adduced as the advantages to be derived from my invention.

Referring to Fig. 1, my invention is generally designated 7, and consists of a sole having a ball portion 8, a slightly thicker heel portion 9 than the said ball portion 8, and a sloping shank portion 10, interconnecting the portions 8 and 9. It is to be noted that the upper is designated 11, and is indicated in phantom, inasmuch as any shape upper may be utilized, depending on the selection of styles and patterns available therefor.

The upper forms no material part of my invention, since the attributes of my invention reside solely in the shape, and construction of the sole. It is also to be noted that the bottom portion of my sole is practically straight, and the greatest portion thereof will engage the ground surface on which such a shoe may be worn. The bottom surface thereof has secured thereto a number of pegs 12, which are distributed over certain portions of the ball area of the sole, the heel, as well as the interconnecting shank portion between the heel and the ball area of the sole, thus affording the wearer a good and a firm engagement with the ground surface of a golf course, which is usually soft and adapted to receive the pegs 12, resulting in a surer grip, and footage, to the golfer in his stance preparatory to driving the ball, as well as after the drive has been completed.

Referring to Figs. 3 and 4, by way of illustration, indicates a golfer 14, his center of gravity assumed to be approximately at the point 15.

In Fig. 3, the said golfer is taking a stance, or position, preparatory to driving, whereas in Fig. 4, the drive is completed. In Fig. 3, the perpendicular 16 drawn from the center of gravity to the base line or support 13, indicates that the same falls within the span of the extremities of the shoe, namely, the toe 18, and the heel 19. In this particular case as will be noted, when the drive has been completed, the tendency of the body is to be shifted forward in "following through," and the perpendicular drawn from the

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shifted center of gravity 15 of Fig. 4, falls outside of the base line of the shoe, namely, in front of the toe portion 18. This, of course, by the well known principles of physics, illustrates that the golfer will have to move one foot forward in order to maintain his equilibrium to prevent him from falling over forward. That falling forward or disturbance of the golfer's equilibrium prevents him from "following through," which is a requisite in good golfing practice.

However, according to the illustrations of Figs. 5 and 6, it can be seen, where the golfer 14 as indicated in Fig. 5, his center of gravity at 15, that the perpendicular 17 dropped therefrom to the base line 13, indicates that the center of gravity 15 of the golfer 14, has initially been shifted backwards, so that the perpendicular line 17 falls closer to the heel 19, than in the former illustration of Fig. 3.

In this case, when the golfer follows through as indicated in Fig. 6 completing his drive, the center of gravity likewise is shifted a corresponding distance forward as in the preceding illustration Fig. 4; however, the perpendicular 17 in this instance, when dropped, will indicate that the center of gravity 15, is still within the span of the support of the golfer or his foot, namely, between the toe 18, and the heel 19. Therefore, this golfer, or the golfer wearing a shoe made in accordance with the practices and teachings of my invention, will be able to maintain his equilibrium and follow through his drive, thus making for a better golf play.

It is also to be noted by a comparison of Figs. 3, 4, 5, and 6 that a golfer equipped with my type of shoes will avail himself of a firmer grip of the sole with respect to the ground support 13, inasmuch as the shank portion of my shoe is also equipped with pegs 12, and because a shoe equipped with my invention assumes a greater contacting engagement with the ground surface, than the present type of shoe indicated in Figs. 3 and 4, where the pegs are confined solely to the heel and the ball area of the sole, the arch being raised which, incidentally, throws the center of gravity of the golfer too far forward after the body has shifted, in driving disturbing his equilibrium.

Important features, to be stressed, are (a) my type of sole will maintain the golfer's weight balanced on his heels rather than on the balls of the feet, (b) a more secure stance, (c) no deformation of the putting green customarily formed by

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golf shoes equipped with heels, and (d) my flat sole prevents mud accumulation usually experienced when walking on wet greens after rainy periods; the latter being a source of discomfort and interference while walking as well as during play.

I believe, I have herein described, rather succinctly, the construction of a golfer's shoe according to the best practices for golf play, and inasmuch as the same is susceptible of modifications, and improvements, I hereby reserve the right to all modifications, and improvements, coming within the scope and spirit of my invention, as well as any modifications and improvements that are embraced in the accompanying drawings, and any that may fall within the purview of the foregoing description; my invention to be limited only by the appended claims.

Having thus described and disclosed my invention, what I claim as novel, and desire to secure by Letters Patent, is:

1. In a golfer's shoe, a flat bottomed sole comprising, a ball portion, a heel portion of slightly greater thickness than the said ball portion, and a shank portion of tapered thickness interconnecting the said ball portion to the said heel portion, and a multiplicity of calk elements secured at various points throughout the entire bottom of the said sole portion.

2. In a golfer's shoe, a flat bottomed sole comprising, a ball portion, a heel portion of slightly greater thickness than the said ball portion, and a shank portion of tapered thickness interconnecting the said ball portion to the said heel portion, and a multiplicity of calk elements secured at various points to the said ball, heel and shank portions.

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