

June 12, 1923.

1,458,201

J. H. STEDMAN

SHOE SOLE

Original Filed April 24, 1919

Fig. 1.

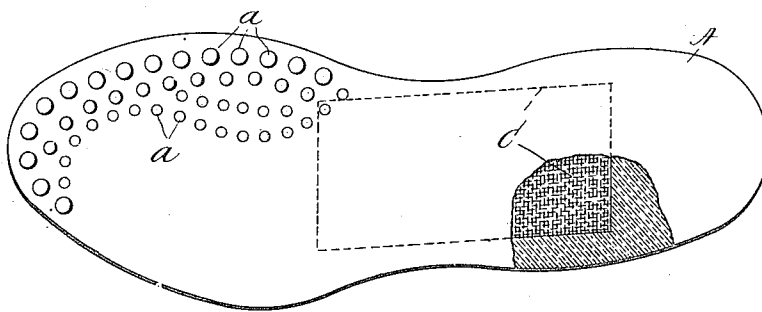


Fig. 2.

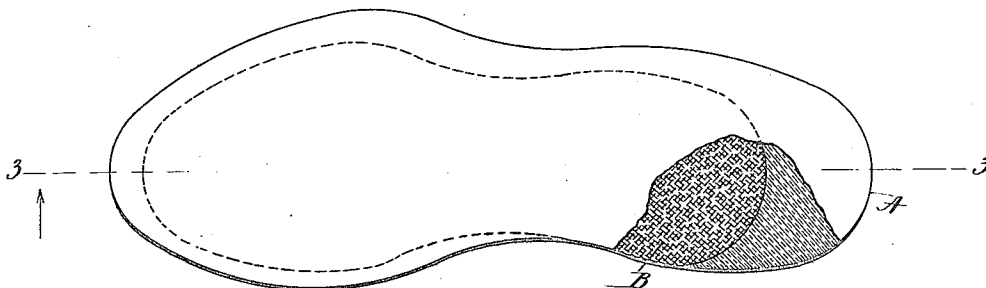


Fig. 3.



Fig. 4.

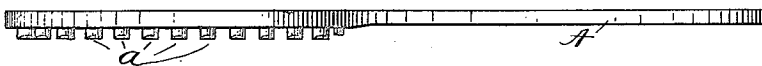
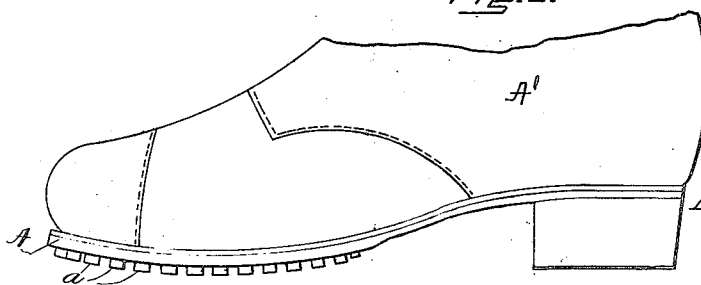


Fig. 5.



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UNITED STATES PATENT OFFICE.

JAMES H. STEDMAN, OF BRAINTREE, MASSACHUSETTS.

SHOE SOLE.

Original application filed April 24, 1919. Serial No. 292,417. Divided and this application filed September 25, 1920. Serial No. 412,693.

To all whom it may concern:

Be it known that I, JAMES H. STEDMAN, of Braintree, in the county of Norfolk and State of Massachusetts, a citizen of the United States, have invented a new and useful Improvement in Shoe Soles, of which the following is a specification.

This application is a division of application Serial No. 292,417, filed April 24, 1919.

My improvement comprises a sole made of rubber, rubber compound or other vulcanizable material, and is particularly adapted for use on golf shoes. In playing golf it is desirable that the inner edge of the shoe sole shall be provided with projections which shall enable the player during his stroke to get a good purchase on the ground. Ordinarily this is accomplished by loading the sole with hobnails. This is undesirable because of the marks which the nails make when the shoe is worn in the house. Also, after the shoes have been worn for a short time the nails become loose often causing leakage to the shoe around the shank of the nail, and the nails tend to fall out. My sole is waterproof, the hobs being integral with the sole. The hobs are resilient and being mounted on a relatively stiff sole readily adapt themselves to the movements of the player.

My invention is intended to overcome these faults, and it will be understood by reference to the drawings in which its construction is shown in its preferred form.

Figure 1 is a plan of the wearing surface of a sole embodying my invention, partially in section.

Fig. 2 is a similar view of the upper surface of the same sole, also partially in section.

Fig. 3 is a section on line 3—3 of Fig. 2.

Fig. 4 is an edge view looking from the lower edge of Fig. 2, and

Fig. 5 shows the sole attached to the upper to form a golf shoe.

As shown the sole comprises a wearing surface A of rubber or the like from which project integral therewith hobs or projections *a* which may be cup-shaped. Preferably these hobs project different heights from the wearing surface A of the sole, the higher hobs being at the edge (see Fig. 3). The hobs *a* are preferably formed with concave faces, having sharp edges, as denoted by the dotted lines in Fig. 4, so that

they will have a good grip or frictional hold on the ground. In the upper surface of the sole is preferably incorporated one or more strips of canvas, heavy cloth or sheeting B (see Fig. 2) so arranged therein that their threads are at an angle to the axis of the sole, that is, they do not run directly lengthwise or crosswise of the sole as described in the application of which this is a division, and hence they do not tend to cut into the sole or aid in any way its cracking. A sole in ordinary use tends to crack crosswise thereof and it is evident that a canvas in order to lessen the cracking should be so incorporated into the sole that its threads will be diagonal or at an angle to any point where there is a tendency to crack. Thus the cross threads or filling will not weaken the sole in lines crosswise the axis of the sole.

At C is shown in dotted lines in Fig. 1, and also in Fig. 3, a rectangular piece of canvas. The shape of this piece is immaterial, but it will be noted that it is set into the sole at the shank so that it co-operates with the layer of fabric B at this point in stiffening the shank, the two layers of fabric at this point affording considerable support under the instep of the wearer. The fore part of the sole, not being thus reinforced and stiffened, remains suitably flexible.

What I claim as my invention is:—

1. A golf shoe sole made of a rubber compound and having a wearing surface provided about its inner edge and its toe portion, only, with integral, resilient hobs, the remaining part of said wearing surface being plain or smooth.

2. A shoe sole made of rubber compound, the wearing surface of which is provided with hobs integral therewith, said hobs having concave faces and extending along the toe and near the inner edge of said sole, those hobs near the inner edge of the sole being higher from its surface than those nearer the middle of the sole.

3. A shoe sole made of rubber compound having a wearing surface provided with hobs integral therewith, said hobs extending along the toe and near the inner edge of said sole, those hobs near the edge of the sole being higher from its surface than those nearer the longitudinal middle of the sole.

4. A shoe sole having a wearing surface

provided with resilient hobs integral therewith, said hobs extending along the toe and near the inner edge of the sole, those hobs near the edge of the sole being higher from
5 its surface than those nearer to the middle of the sole, said hobs having concave faces whereby a secure purchase may be taken on the ground when the outer edge of the sole is lifted therefrom.

10 5. A golf shoe having an outer sole made

of rubber compound, said sole having a smooth wearing surface and being provided with integral resilient hobs about its toe near its inner edge, whereby on turning
the shoe on its inner edge as an axis the
hobs will tend to adjust themselves to the
unevenness of the ground and afford a firm
purchase to the wearer of the shoe. 15

JAMES H. STEDMAN.