

No. 881,535.

PATENTED MAR. 10, 1908.

R. H. BENNETT.

HEEL.

APPLICATION FILED NOV. 11, 1907.

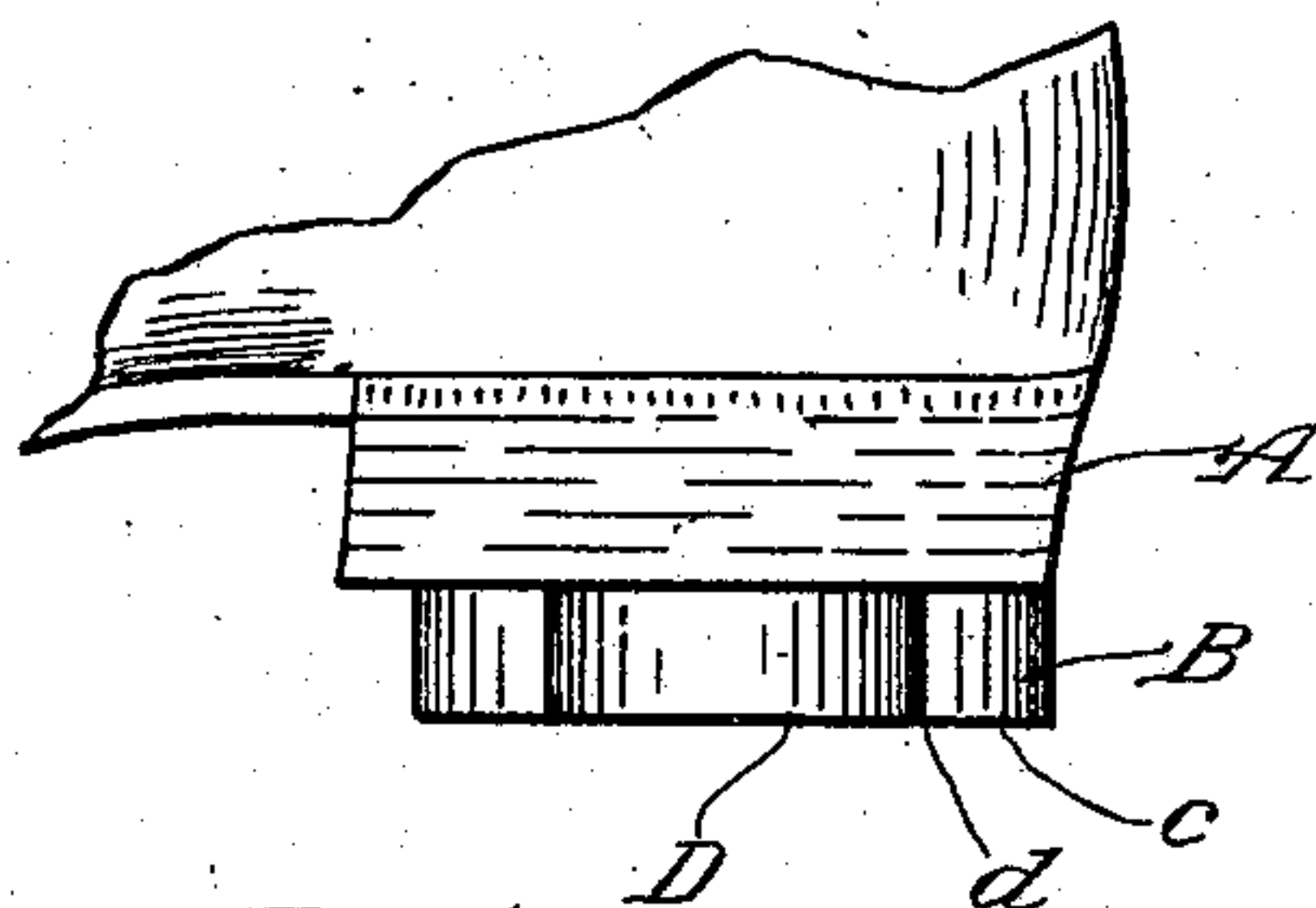


Fig. 1.

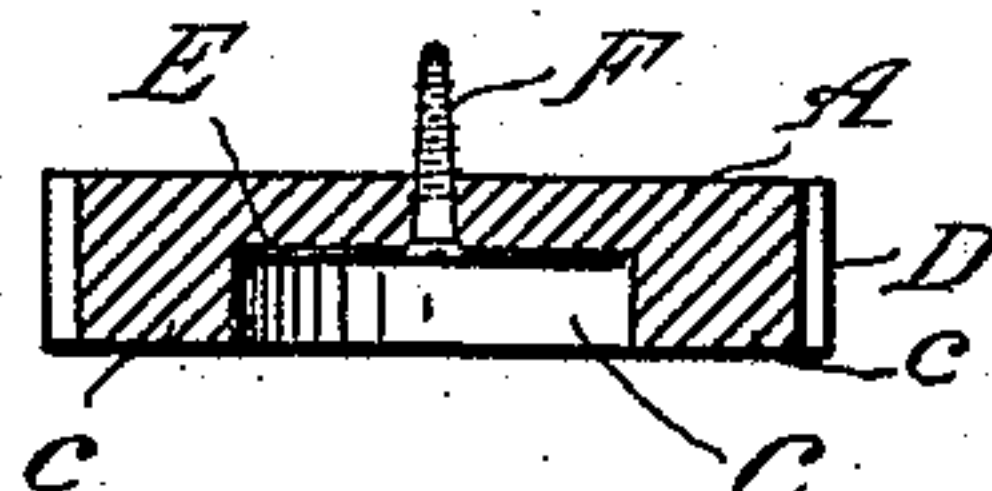


Fig. 2.

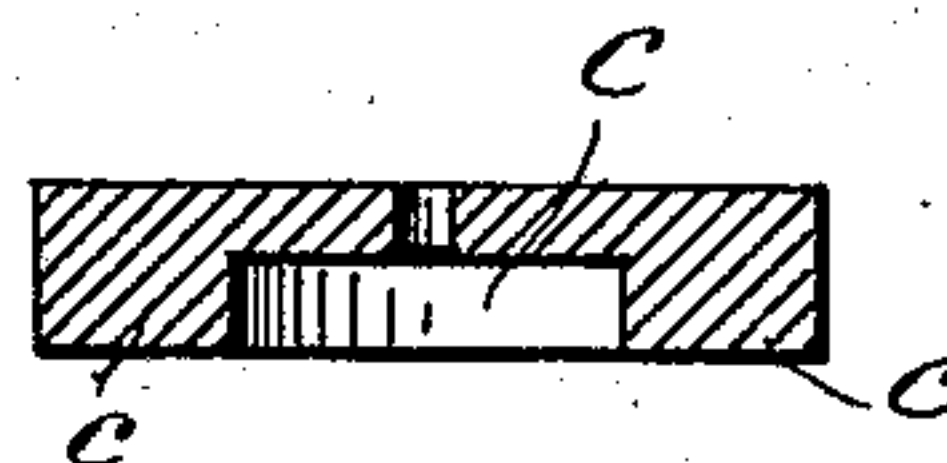


Fig. 3.



Fig. 4.

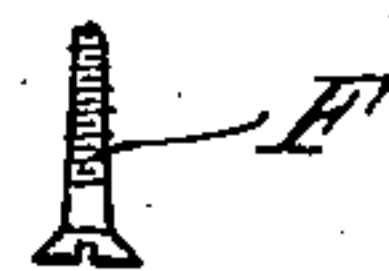


Fig. 5.

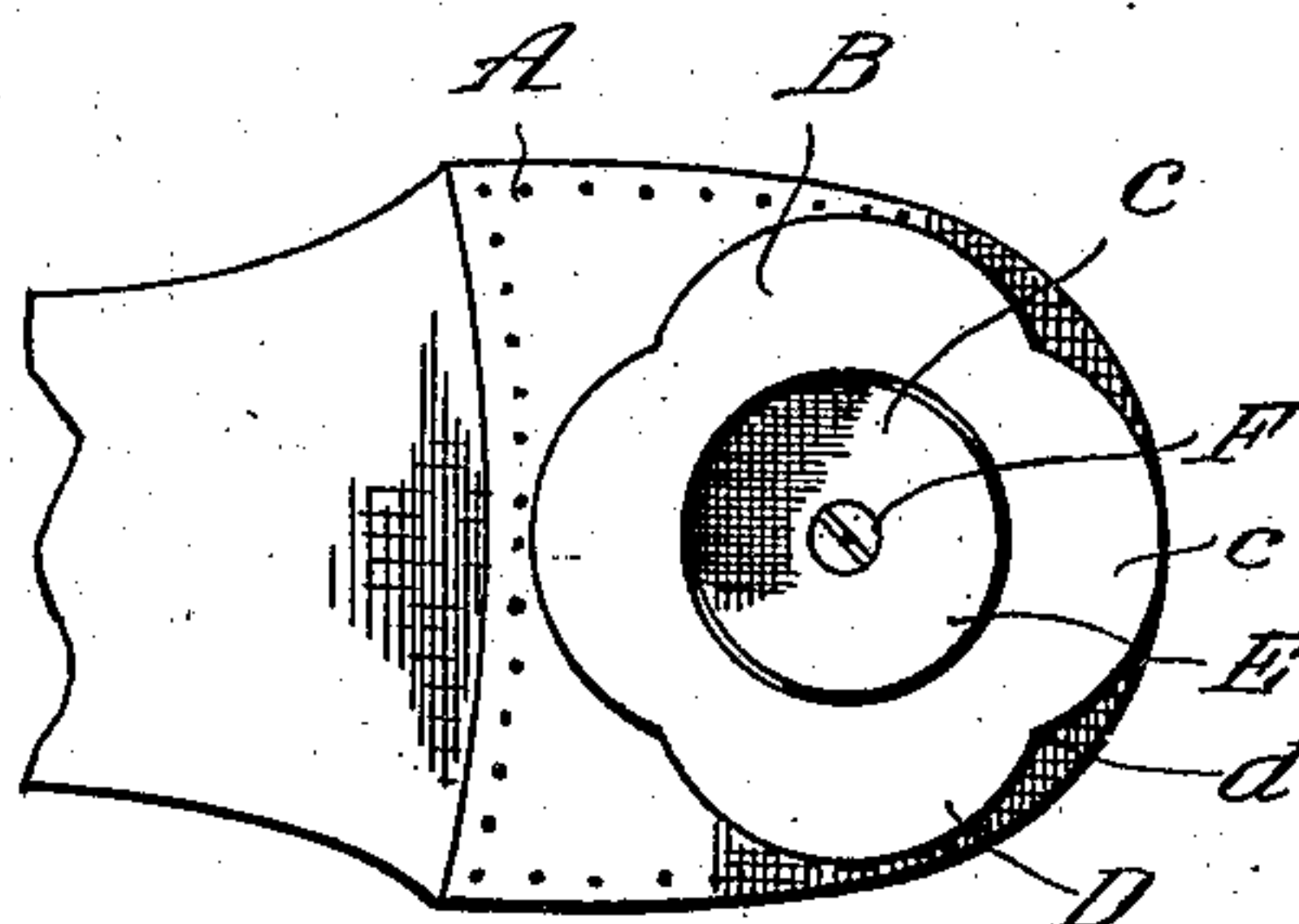


Fig. 6.



Fig. 7.

Witnesses:-
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UNITED STATES PATENT OFFICE.

RICHARD H. BENNETT, OF AMSTERDAM, NEW YORK, ASSIGNOR OF ONE-THIRD TO DAVID W. DAVIES AND ONE-THIRD TO SAMUEL WINTERBOTTOM, OF AMSTERDAM, NEW YORK.

HEEL.

No. 881,535.

Specification of Letters Patent.

Patented March 10, 1908.

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To all whom it may concern:

Be it known that I, RICHARD H. BENNETT, a citizen of the United States, residing at Amsterdam, in the county of Montgomery and State of New York, have invented certain new and useful Improvements in Heels, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to an improved heel, and I declare that the following is a full, clear, concise and exact description thereof, sufficient to enable one skilled in the art to make and use the same, reference being had to the accompanying drawings in which like reference characters refer to like parts throughout.

The invention is shown in the construction and application of a rubber heel for pedestrians and consists in the various features disclosed in the specification, drawings and claims.

Figure 1 of the drawings is a side view of a portion of a shoe with the ordinary leather heel and the improved rubber heel. Fig. 2 is a cross section view of the rubber heel and attaching parts. Fig. 3 is a view in cross section of the rubber portion of the improved heel, and Figs. 4 and 5 show the means for securing it in place. Fig. 6 is a view of the shoe and heel from the bottom. Fig. 7 is a view of a modified form of disk.

It will be understood that like reference letters and numerals refer to like parts and that the form shown and described is not intended to be exclusive of other forms or styles.

Referring to the drawings in detail, A indicates the heel of a shoe, made up in usual style of leather or the like, to which my improved heel is to be attached.

B indicates a plate or disk, preferably made of rubber though I do not intend to limit myself to the material named. The plate is formed with a depression, C, so located as to leave a rim *c* around the edge of the disk or plate. This depression or cutout is made of a substantial area or extent for reasons to be given, leaving however the rim *c* of substantial area, of about the proportions shown in the drawings.

The peripheral surface of the disk, which has a thickness to provide for the necessary spring and wear, is made with various indentations, *d*, here shown in the form of scallops D, though any other suitable figure may be

used. The purpose of this formation is to provide additional resistance or support for the foot against slipping. Another purpose is to permit the disk to be turned from one position to another to allow for wear. The disks may, if desired, be made and supplied of different thickness at different edges, as indicated in Fig. 7, according to the wish of the wearer. Should the disk become worn in one position it may be readily turned, as will be seen, to bring the least worn part into the place of greater wear, while the worn portion will be turned out of sight. While the edge of the rubber disk approaches more or less closely to the rear and side edges of the shoe-heel it does not come to the forward edge of the heel and may, therefore, be turned to present a new surface or edge of the same kind to the eye and more or less conforming to the general outline of the heel while the worn portions are turned out of sight. The configuration of the edge, as stated, may be of different character from that shown.

A plate E, of metal preferably, is provided to set into the recess C and is of a size to fit therein. It has a hole for screw F to pass therethrough, through the rubber disk B and into heel A a suitable distance to hold the supplemental heel firmly in place.

The plate is stiff and is made of a size substantially as indicated so that it will extend over enough of the disk B to hold it firmly and flatly against the shoe-heel, extending far enough toward the edge of the disk to hold such edge to the shoe-heel. A further purpose is that the recess C wherein the disk E is placed will form means for a firmer footing by the wearer when walking on untrodden or loose surfaces, as for instance in snow or slush, such material being pressed into the recess at each step and preventing slipping. The screw F holds the plate and the rubber heel firmly in position but can be loosened to allow readjustment of the improved heel, or the heel may be readily changed from one shoe to another, being readily and easily mounted or remounted as the case may be, and be kept firmly against turning by tightening the screw.

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

1. A heel formed of resilient material formed with a symmetrically scalloped periphery and having a central recess in the

bottom thereof and a flat stiff plate in the bottom of said recess and of equal surface thereof, the heel and the plate being centrally bored and means therewith to attach
5 the heel to the shoe, substantially as shown and described.

2. A heel formed with symmetrical indentations in the periphery thereof and with a central recess in the bottom of a diameter
10 approximately one-half that of the heel, a stiff plate at the bottom of said recess and means passing through the plate and the heel at the centre of each whereby to secure them in place, substantially as shown and
15 described.

3. A heel formed with the outermost

points of its periphery at an equal distance from the center and indented on its edge between such points, the central part of the bottom of the heel having a recess of sub- 20
stantial diameter and means therein for securing the heel to the shoe, whereby it may be turned to present different faces, of like appearance, to the rear, substantially as shown and described. 25

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD H. BENNETT.

Witnesses:

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