

No. 876,022.

PATENTED JAN. 7, 1908.

J. H. SCHIFFHAUER.
SHIELD FOR ENLARGED JOINTS.
APPLICATION FILED SEPT. 20, 1906.

FIG. 1

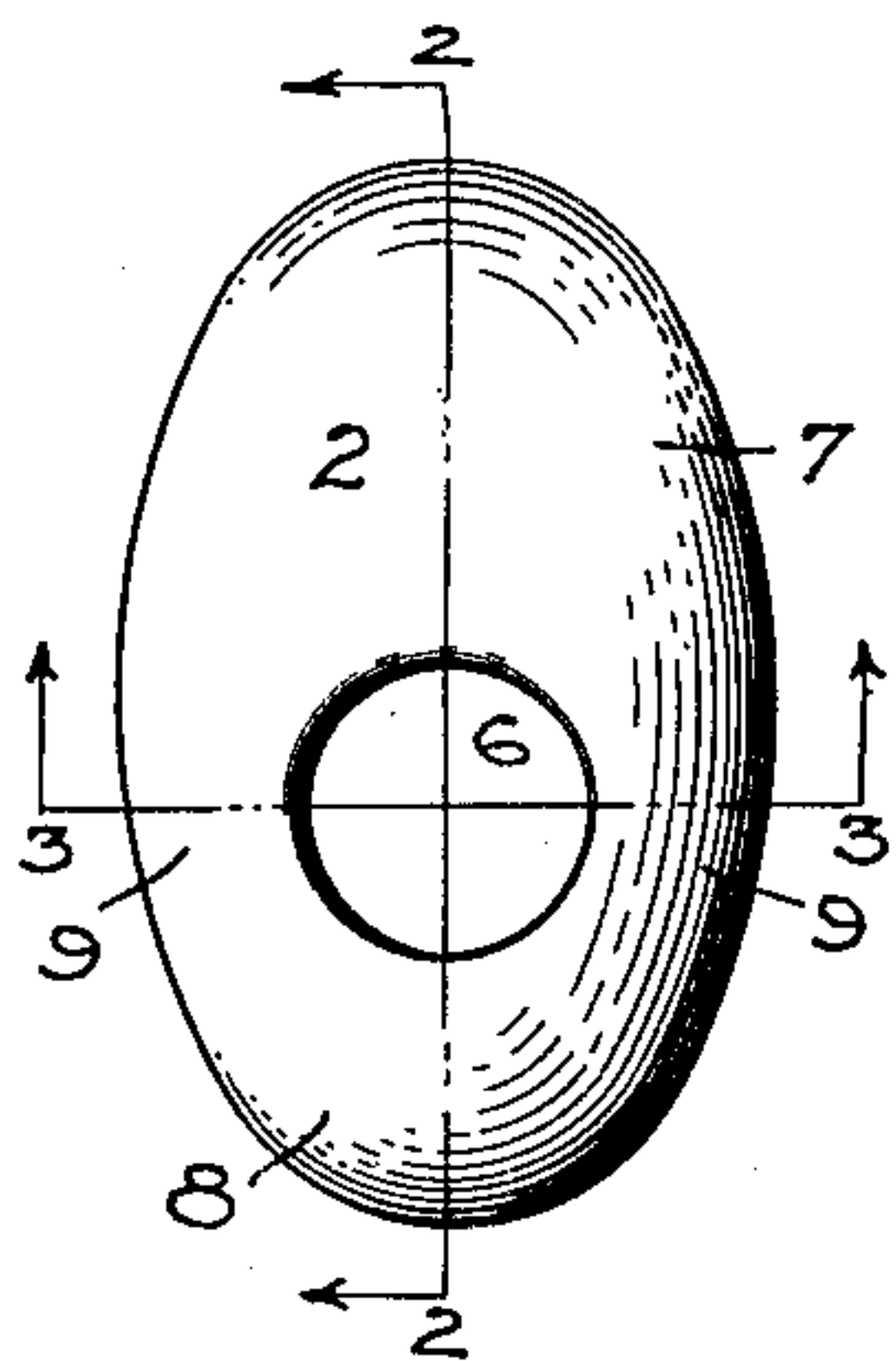


FIG. 4

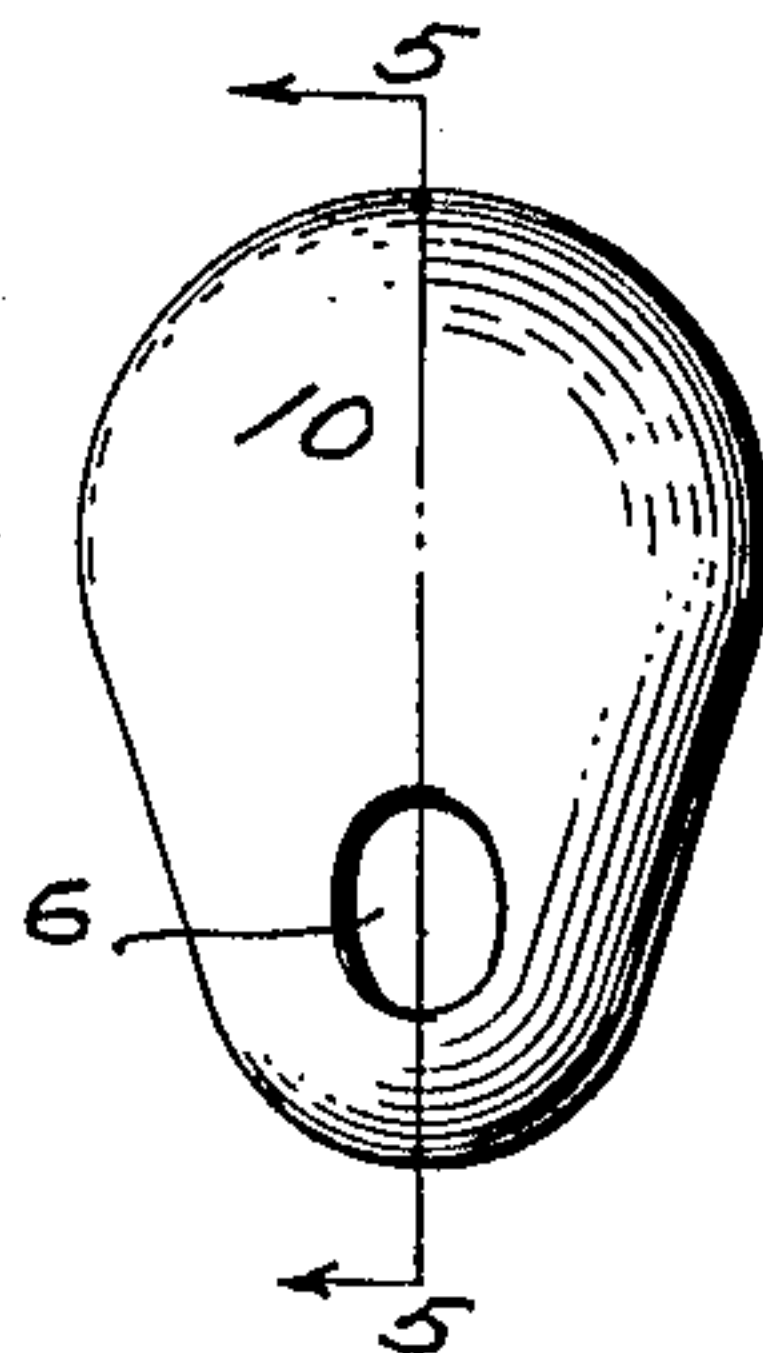


FIG. 2

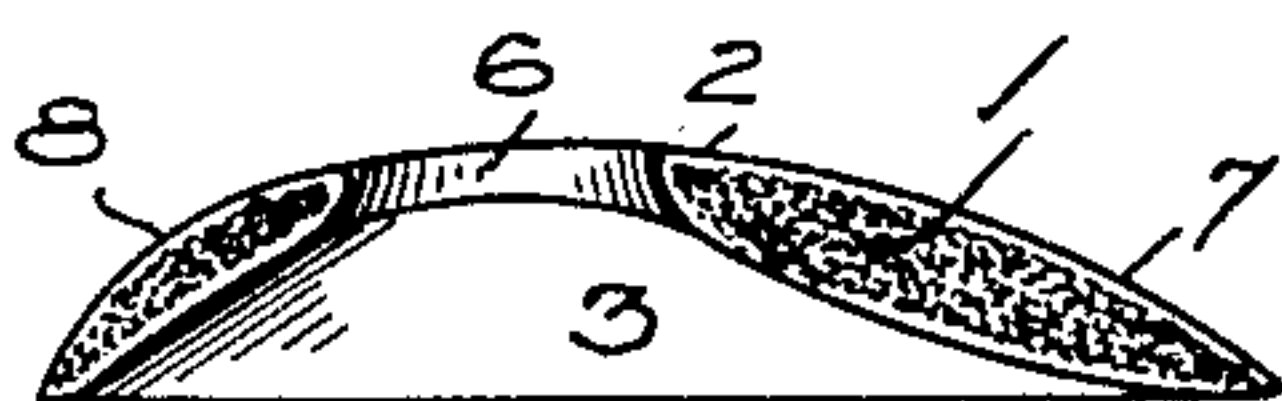


FIG. 5

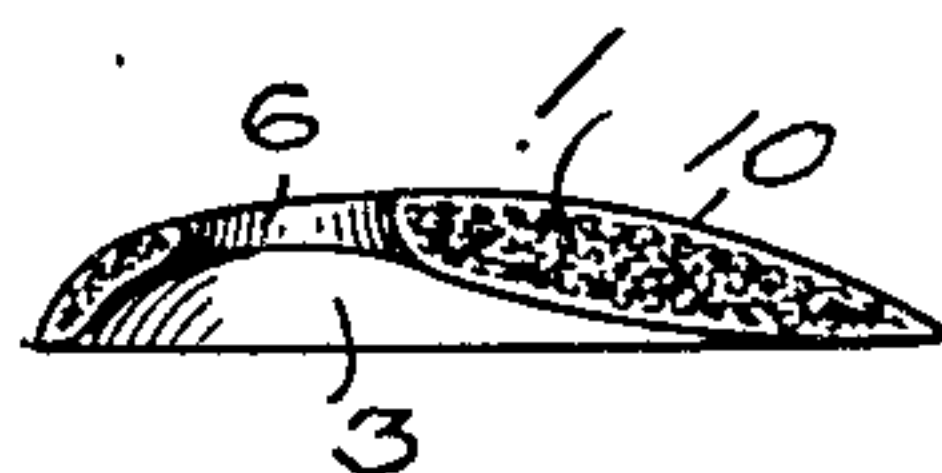
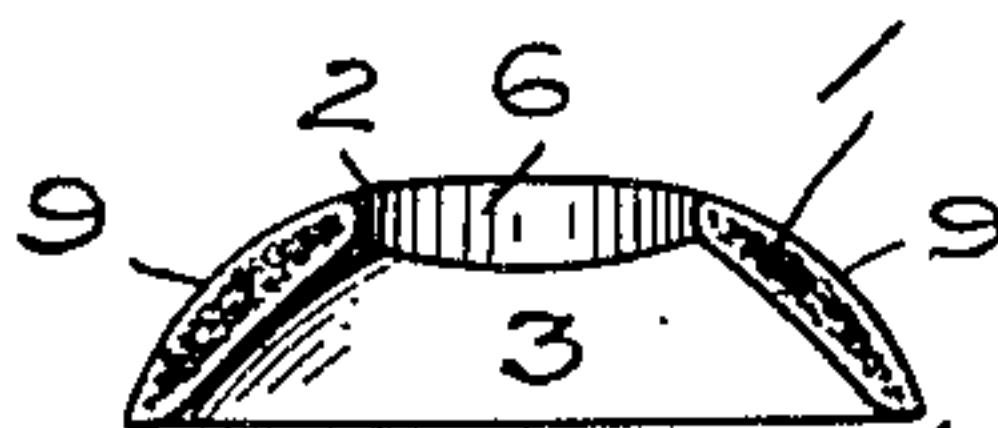


FIG. 3



WITNESSES.
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UNITED STATES PATENT OFFICE.

JOHN H. SCHIFFHAUER, OF PITTSBURG, PENNSYLVANIA.

SHIELD FOR ENLARGED JOINTS.

No. 876,022.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed September 20, 1906. Serial No. 335,468.

To all whom it may concern:

Be it known that I, JOHN HENRY SCHIFFHAUER, a resident of Pittsburg, in the county of Allegheny and State of Pennsylvania, have
5 invented a new and useful Improvement in Shields for Enlarged Joints, etc.; and I do hereby declare the following to be a full, clear, and exact description thereof.

This invention relates to shields or protect-
10 ors for use on enlarged joints, bunions, corns and the like, or in the treatment of various localized physical conditions.

The object of the invention is to provide a
15 device of this character which is sanitary and durable, which can be readily applied and removed, which will remain in position in which it is placed, and especially one which is comfortable to the user.

The invention consists of a device con-
20 structed as hereinafter described and claimed.

In the accompanying drawing Figure 1 is a
plan view of one form of the device; Figs. 2
and 3 are sectional views taken respectively
on the lines 2—2 and 3—3, Fig. 1; Fig. 4 is a
25 plan view showing a slightly different shape;
and Fig. 5 is a section on the line 5—5, Fig. 4.

The device is made of some moisture-proof
material, preferably rubber, and is so con-
30 structed as to be very yielding or soft. Its body is formed wholly or in part of a comparatively highly yielding substance 1, such as sponge or honeycombed rubber. The upper and lower surfaces 2 and 3 of the body are also of soft rubber, but substantially non-
35 porous so as to prevent moisture, germs, and other matter from finding lodgment in the porous sponge or honeycombed rubber in the interior. These outer surfaces may be made of separate sheets of thin, soft, sheet rubber,
40 having their edges united so as to entirely envelop the porous sponge or honeycombed rubber, or said surfaces may be rendered non-porous by proper treatment of the surface of the sponge or honeycombed rubber itself, as
45 will be readily understood.

The device is preferably of concave or cup
shape, as shown, so as to fit neatly on the
part to be treated, but it may if desired be
flat, but in any event the shape both as to
50 plan outline and concavity will vary according to the part of the body to which it is

to be applied. The device preferably is provided with a hole or opening 6 so as not to impose any pressure on the affected part. This hole or opening is preferably located at
55 one side of the center of the body so as to give a larger body portion on one or two sides of said opening. This enlarged body portion gives an opportunity for greater thickness and greater cushioning effect. As
60 shown in Figs. 1 to 3, the device is provided with a large and thick cushion 7 and a smaller cushion on the opposite side at 8, while the two side portions 9 are comparatively thin and hence less yielding. The
65 form shown in Figs. 4 and 5 is intended for use where a cushion can advantageously be placed only on one side, this being indicated at 10.

The device described is sanitary in that it
70 is impervious to germs and the like, can be readily cleaned and is durable. The cushion or cushions contained in the same are so yielding that the device exerts no uncomfortable pressure in use, and is therefore very
75 comfortable. The shape of the device causes it to be retained in place on the part to be treated, thus dispensing with adhesives or other means for securing the same in place.
80

What I claim is:

1. A shield of the character specified, composed of sponge or honeycombed rubber having seamless non-porous outer faces and being of concave shape and provided with an
85 opening.

2. A shield of the character specified, having seamless non-porous top and bottom rubber faces, a cushion or cushions interposed between the same, said device being of
90 concave shape with an opening there-through.

3. A shield of the character specified, having seamless top and bottom non-porous rubber faces and having an interposed
95 sponge or honeycombed rubber cushion or cushions, said device being concave with an opening located non-concentric and having the thickest cushion on the side of the opening where the body portion is widest.
100

4. A shield of the character specified, having a body provided with an opening

therethrough located at one side of the center
of the body, said body being composed of
sponge or honeycombed rubber with seam-
less non-porous faces and being thickest on
5 the side of the opening where the body is
widest.

In testimony whereof, I the said JOHN

HENRY SCHIFFHAUER have hereunto set my
hand.

JOHN H. SCHIFFHAUER.

Witnesses:

ROBERT C. TOTTEN,
JOHN F. WILL.