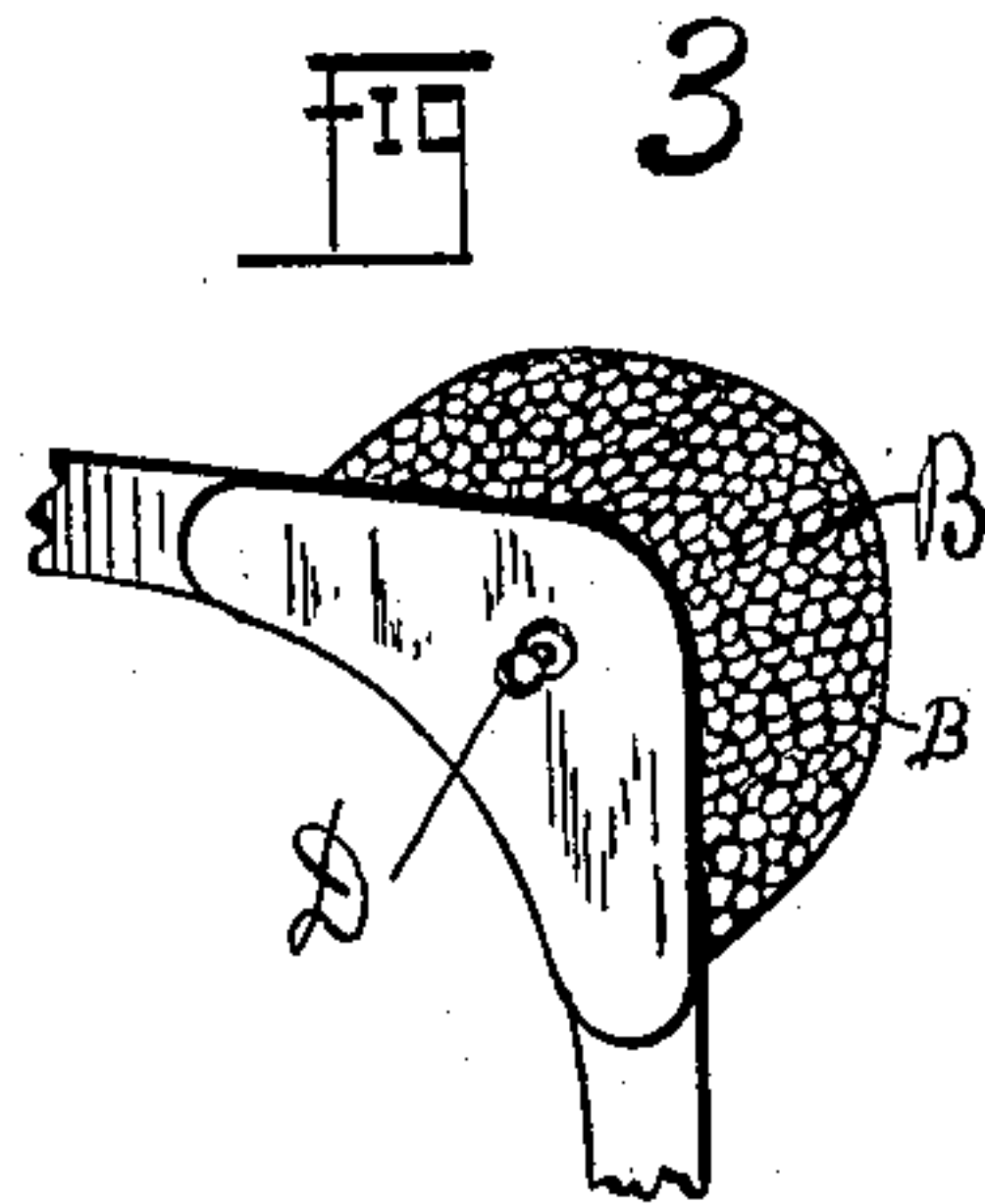
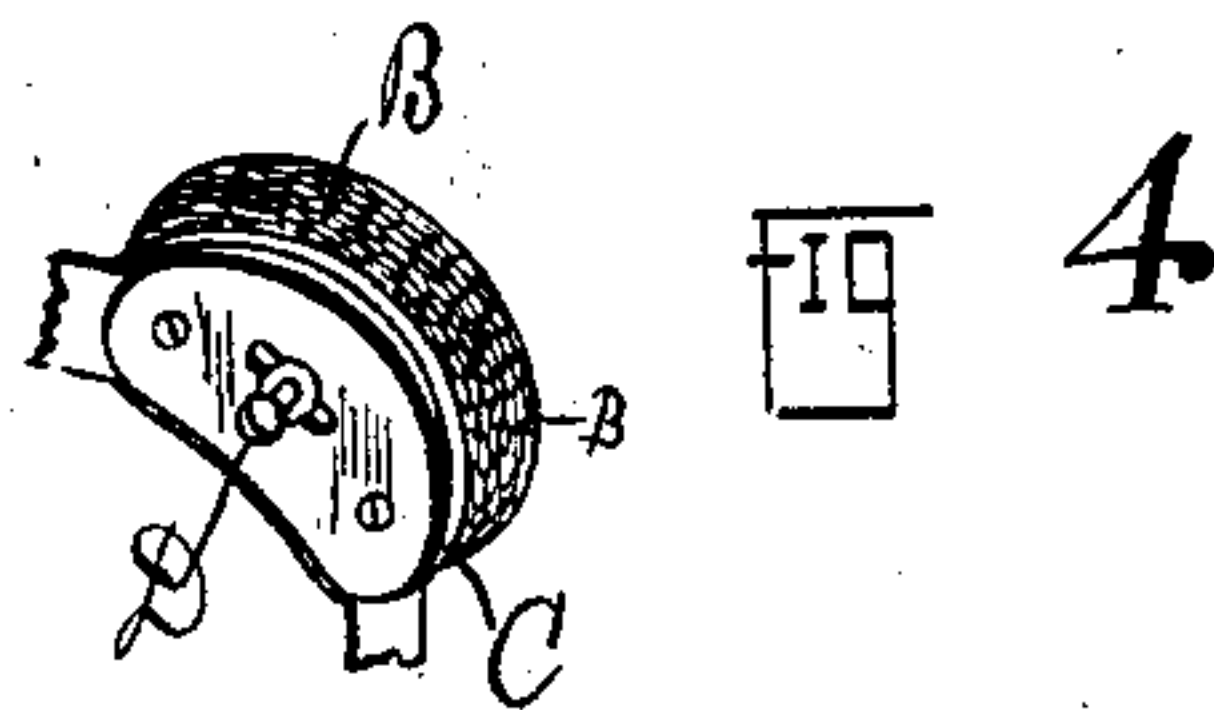
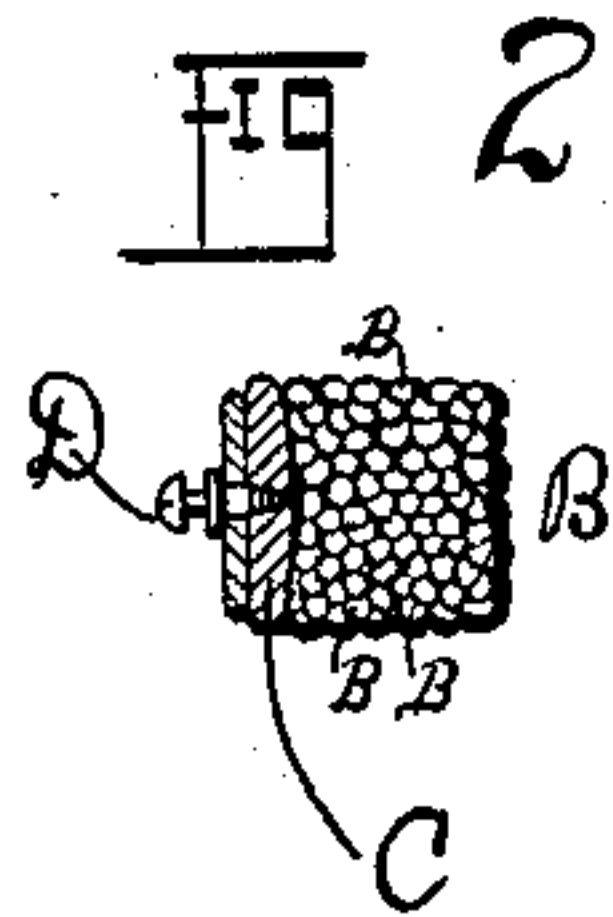
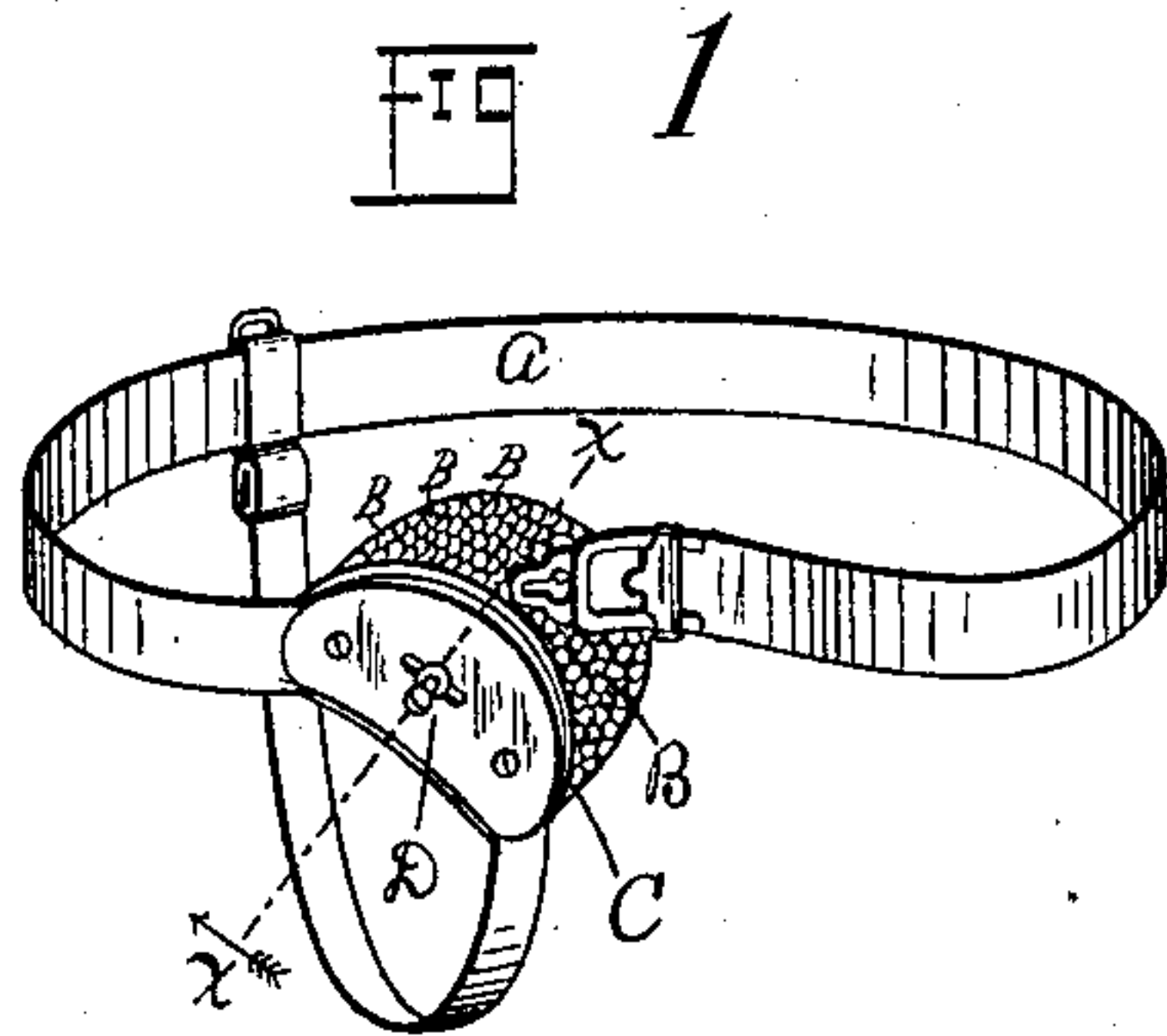


No. 753,684.

PATENTED MAR. 1, 1904.

B. J. DOUDS.
TRUSS FOR RUPTURES.
APPLICATION FILED JAN. 17, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

BYRON J. DOUDS, OF CANTON, OHIO.

TRUSS FOR RUPTURES.

SPECIFICATION forming part of Letters Patent No. 753,684, dated March 1, 1904.

Application filed January 17, 1903. Serial No. 139,406. (No model.)

To all whom it may concern:

Be it known that I, BYRON J. DOUDS, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have
5 invented a new and useful Truss for Ruptures, of which the following is a specification.

My invention relates to improvements in truss-pads, and has for its object the providing of a pad constructed of a cellular highly-
10 elastic non-absorbent material, whereby a pad is provided which will yield at the point where the rupture or protuberance engages the pad and holds the parts in position in a manner comfortable to the wearer and, furthermore,
15 provides a free circulation of the air through the cells of the cellular material and which being non-absorbent will not absorb the moisture or exhalation of the body.

In the accompanying drawings, Figure 1 is
20 a perspective view of my invention, showing it attached to a belt. Fig. 2 is a section on the line *x x* of Fig. 1. Fig. 3 shows a modified manner of attaching the pad to the belt. Fig. 4 is a perspective view showing the pad
25 compressed.

Referring now to the drawings, *a* is the belt, made of the usual elastic webbing or other suitable material and adapted to encircle the body of the wearer.

30 *B* is my improved pad, which is suitably secured to a support *C*, of suitable material, either by cementing or other means, and to which is secured a projecting pin *D*, as shown in the drawings. If desired, the pad *B* may
35 be cemented directly to the belt, as shown in Fig. 3.

My improved pad consists of a large body portion comprising a cellular body composed of highly-elastic non-absorbent material, preferably rubber. The cells of the pad are in
40 effect air-cells and serve to permit a circulation of air to the body of the person wearing the pad, and thus serves to keep it in a more healthy condition and prevents it from becoming heated, which is an objection to all forms of pads now in use. The material being non-absorbent it does not absorb the

moisture or exhalation from the body of the wearer, and hence is not affected thereby.

The pad is highly elastic in that the walls
50 of the cells are very thin, and the cellular portions or air-spaces occupy so large a part of the body of the pad it is exceedingly easy and comfortable to the wearer and yet will form a firm support for the projecting portion of
55 the rupture and will extend or embrace the same at the sides. The nature of the pad is such that it clings to the body of the wearer and has no tendency to slip, which is one of the great troubles with the pads in common
60 use.

I am aware that several kinds of different material have heretofore been used for rupture-pads. For instance, sponge has been
65 used; but it is composed of an absorbent material, and when it has absorbed the moisture of the body and then becomes dry it assumes and remains in its compressed position and has a hard harsh feeling to the body and practically affords no circulation to the portion of
70 the body engaged thereby. I am also aware that sponge-cork has been used; but that is harsh and hard to the body of the wearer and is practically non-elastic when used in connection with the human body.
75

So far as I am aware a pad having a body portion composed of a highly-elastic non-absorbent material having air-cells such as herein disclosed has not heretofore been used.

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

A rupture-pad composed of cellular sponge-rubber, the cells constituting air-spaces, and means for supporting the pad against the body
85 of the wearer.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BYRON J. DOUDS.

Witnesses:

W. H. DOUDS,
H. U. REED.