

J. C. HOGLE & A. MEYER.
RUPTURE APPLIANCE.
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948,627.

Patented Feb. 8, 1910.

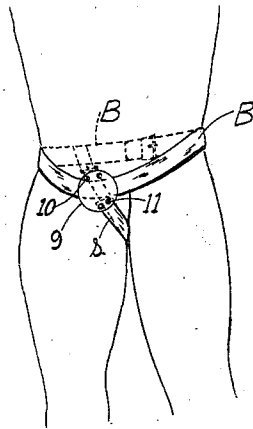


FIG. 1.

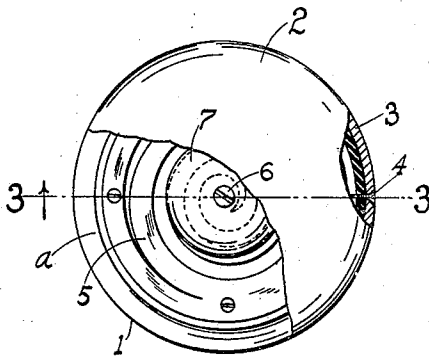


FIG. 2.

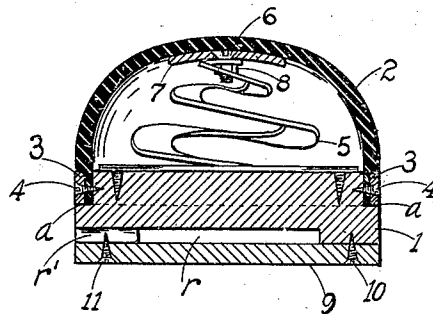


FIG. 3.

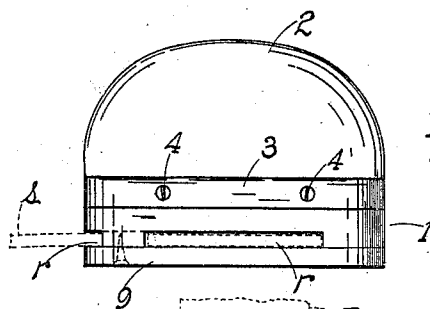


FIG. 4.

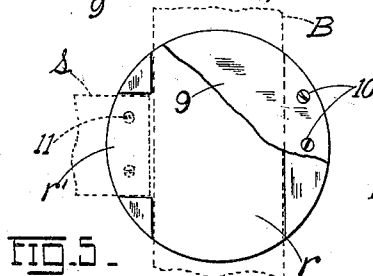


FIG. 5.

WITNESSES:

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RUPTURE APPLIANCE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, JAMES C. HOGLE and ALBERT MEYER, citizens of the United States, residing at St. Louis, State of Missouri, have

invented certain new and useful Improvements in Rupture Appliances, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention has relation to improvements in rupture appliances; and it consists in the novel details of construction more fully set forth in the specification and pointed out in the claims.

In the drawings, Figure 1 is a perspective view showing the application of our invention; Fig. 2 is a top plan of the cushioning pad with parts broken away; Fig. 3 is a middle section on the line 3—3 of Fig. 2; Fig. 4 is an elevation of the same; and Fig. 5 is a bottom plan, with parts broken away.

The object of our invention is to provide an appliance serving as a rupture support which may be readily adjusted to its proper supporting position; one which will afford a yielding contact to the affected part; one which is simple in construction, soft, conforming readily to the movements of the body, and one possessing further and other advantages better apparent from a detailed description of the invention which is as follows:—

Referring to the drawings, B, represents a waist-band or belt applied in the usual way. Mounted to slide along the belt is our appliance or cushioning pad. The same consists of a block 1 preferably of disk or circular form, one end thereof being provided with a marginal annular shoulder *a* on which rests the edge of a rubber cup 2, the same being secured to the reduced end of the block by a securing band 3, through which and through the walls of the cup, the fastening screws 4 are passed, said screws penetrating the walls of the reduced end of the block. Secured to the face of such reduced end is the basal portion of a helical spring 5, the outer end of which coils about the stem of a screw 6 mounted in an arched distributing disk or plate 7 which bears against the inner wall of the cup, and distributes the

pressure thereover, a nut 8 being passed over the screw-stem and against the disk 7 to hold the parts in position.

The base of the block 1 is provided with a recess or depression *r* with which communicates a narrower transverse recess *r'*. These recesses are finally covered by a cover plate or disk 9 secured in position by screws 10. The disk 9 thus forms with the base and sides of the recess *r* a passage way for the belt B thus permitting the block 1 to be shifted along the belt to the proper position and up in front of the part affected and which is intended to be supported. Once the block with its cup or pad 2 has been properly adjusted, it is held against displacement by the securing strap *s*, one end of which is inserted into the recess *r'* and there secured to the cover plate 9 by means of screws 11, the strap being then passed around the leg and its opposite end secured to the rear portion of the belt B (Fig. 1). The cup 2 of course, forms a soft cushioning pad, and the helical character of the spring allows for any ordinary movement of the body, the cup thus exerting a rolling motion over the part of the body or groin with which it contacts.

The pad (block and cup) may be made light, and durable and at little cost.

By "cup-shaped" is of course meant any cup or dish-shaped or outwardly convexed form of yielding member such as shown.

Having described our invention, what we claim is:

1. A rupture appliance comprising a block provided with a passage-way for the free passage of a belt therethrough, a cup-shaped member secured to the block and spanning the face of the block on the side opposite said passage-way, a helical spring interposed between the cup and block, an arched bearing disk engaging the concave inner wall of the cup and connected to the adjacent end of the spring, and a securing strap having one end secured to the block on one side of the passage-way for the belt, the opposite end of the strap being adapted to be secured to the rear of the belt.

2. A rupture-pad having a block provided on one face with a depression, a cover plate

spanning said depression and forming a passage-way therewith, an annular shoulder on the block, a cup having its edge supported thereby, a band encompassing the cup at the
5 aforesaid shoulder, screws passed through the band and cup walls and into the block, a helical spring having its base secured to the block on the face opposite the depression, and an arched distributing disk secured to the outer end of the spring and bearing 10 against the concave wall of the cup.

In testimony whereof we affix our signatures, in presence of two witnesses.

JAMES C. HOGLE.
ALBERT MEYER.

Witnesses:

EMIL STAREK,
JOS. A. MICHEL.