

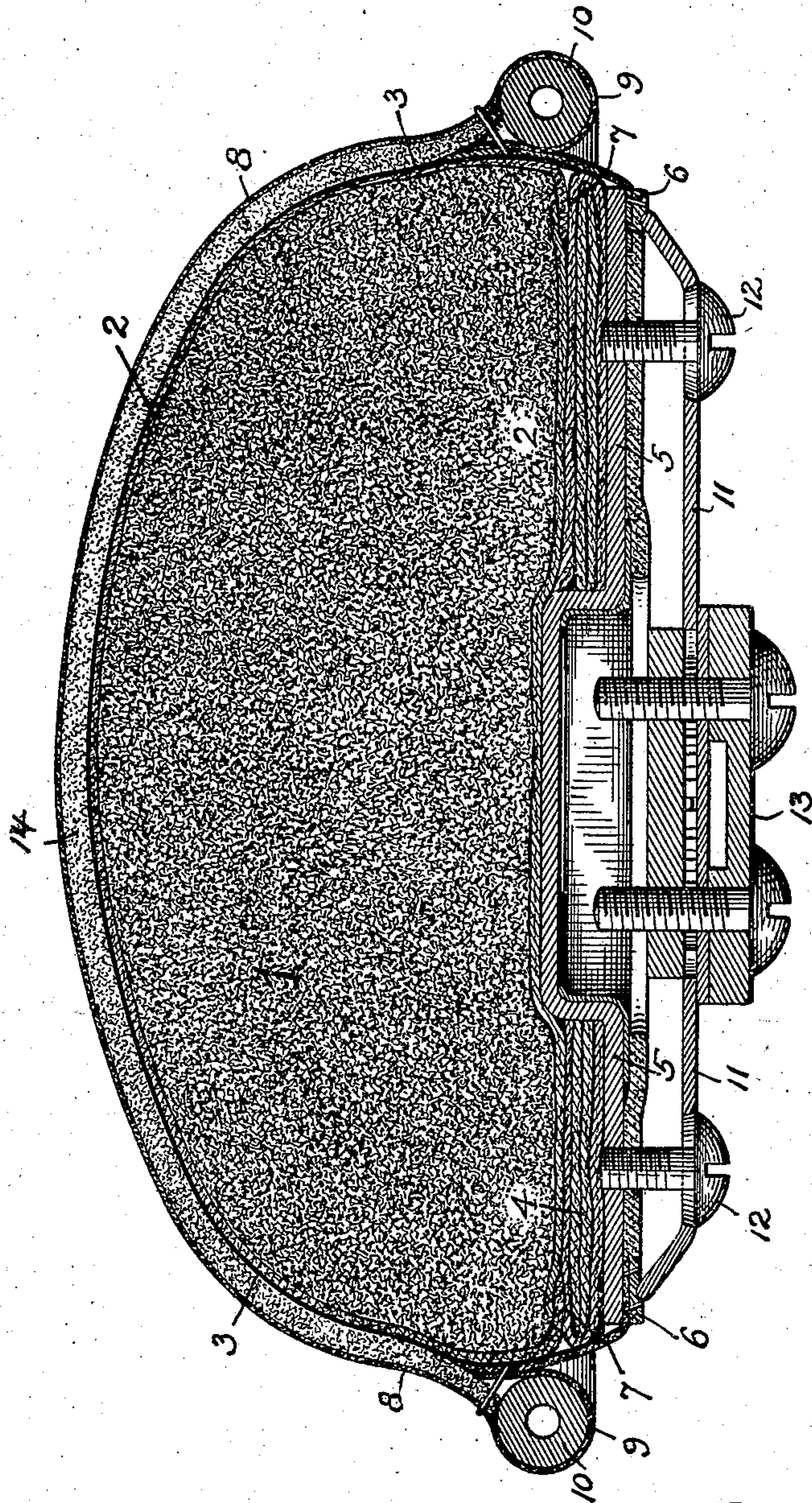
No. 847,775.

PATENTED MAR. 19, 1907.

W. H. HORN, JR.

TRUSS PAD.

APPLICATION FILED DEC. 15, 1906.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## TRUSS-PAD.

No. 847,775.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed December 15, 1905. Serial No. 291,928.

*To all whom it may concern:*

Be it known that I, WILLIAM H. HORN, Jr., a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Truss-Pads, of which the following is a specification.

The object of my invention is to so construct a truss-pad that, while the same shall be sufficiently yielding, it will permanently retain its shape and cannot be rendered foul by perspiration or other exudations of the body. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawing, which represents a longitudinal section, on an enlarged scale, of a truss-pad constructed in accordance with my invention.

The material known as "sponge-rubber," in which an infinitude of fine cells or passages is formed in the rubber mass, constitutes a very effective material for use in a truss-pad provided that, without materially affecting its elasticity, it can be so confined as to retain the shape originally imparted to it and provided also it is protected from contact with perspiration or other exudations of the body which would render it offensively foul. In carrying out my invention, therefore, I first take a mass of sponge-rubber of the proper bulk, such as represented at 1 in the accompanying drawing, this mass being preferably composed of small pieces or scraps, which at present have little or no value and are generally regarded as waste, since such scraps when used as I use them are quite as available for the purpose as a single mass of sponge-rubber and are of course much less expensive. This mass of sponge-rubber scrap is firmly compressed into the form or shape desired for the finished pad and is then confined within a bag or casing 2, of textile material, which retains it in that shape. Over the bag or casing thus prepared is stretched a sheet 3, of oiled silk or other waterproof material, which is connected to a folded band 4, interposed between the lower portion of the casing 2 and a metal plate 5, so that there are no openings in this waterproof casing leading to the mass of sponge-rubber 1, and hence no passages for the access of liquid matter to said sponge-rubber mass. Outside of the metal plate 5 is a leather facing-strip 6, which has a welt-strip 7 extending alongside of the lower portion of the wa-

terproof sheet 3 and serving as a means of attaching to said leather strip 6 the leather or other outer covering 8 of the pad, said outer covering 8 having a hem 9, which incloses a ring 10, composed of rubber tubing or other equivalent elastic material. Outside of the leather strip 6 is a metal plate 11, which is secured to the inner metal plate 5 by means of bolts 12 or equivalent fastenings, said plate 11 carrying the central fastening device 13, whereby the pad is secured to the arm of the truss.

If the outer covering 8 is itself of waterproof material, the waterproof sheet 3 may in some cases be omitted, although even then it is preferable to employ it as a precautionary measure, and, if desired, a pad 14, of cotton-batting or equivalent material, may be inserted between the main elastic pad and the outer covering, as shown.

I claim—

1. A truss-pad having a mass of sponge-rubber, a casing confining said mass, an outer covering for the pad, said casing having a cover-sheet of waterproof material interposed between its outer surface and said outer cover of the pad, substantially as described.

2. A truss-pad consisting of an outer casing, a mass of sponge-rubber compressed within said casing, a cover for the casing composed of a sheet of waterproof material, a band secured to said sheet, and means for holding said band to the under side of the pad, substantially as described.

3. A truss-pad consisting of an outer casing, a mass of sponge-rubber compressed within the same, a facing-strip having a projecting welt, and a cover secured to said welt, substantially as described.

4. A truss-pad consisting of an outer casing, a body of sponge-rubber compressed within said casing, a facing-strip on the back of the casing having a projecting welt, an outer cover for the pad having a hem secured to the welt, with elastic material outside and independent of the sponge-rubber body and inclosed by said hem, substantially as described.

5. A truss-pad consisting of a casing, a mass of sponge-rubber compressed within said casing, inner and outer metal plates on the rear part of the pad, a facing-strip confined between said plates and having a pro-

jecting welt, with an outer cover for the pad secured to said welt, substantially as described.

6. A truss-pad consisting of a mass of  
5 sponge-rubber, a containing-casing for said mass, and a ring of rubber tubing encircling the sponge-rubber mass outside of said cover, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of 10 two subscribing witnesses.

WILLIAM H. HORN, Jr.

Witnesses:

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