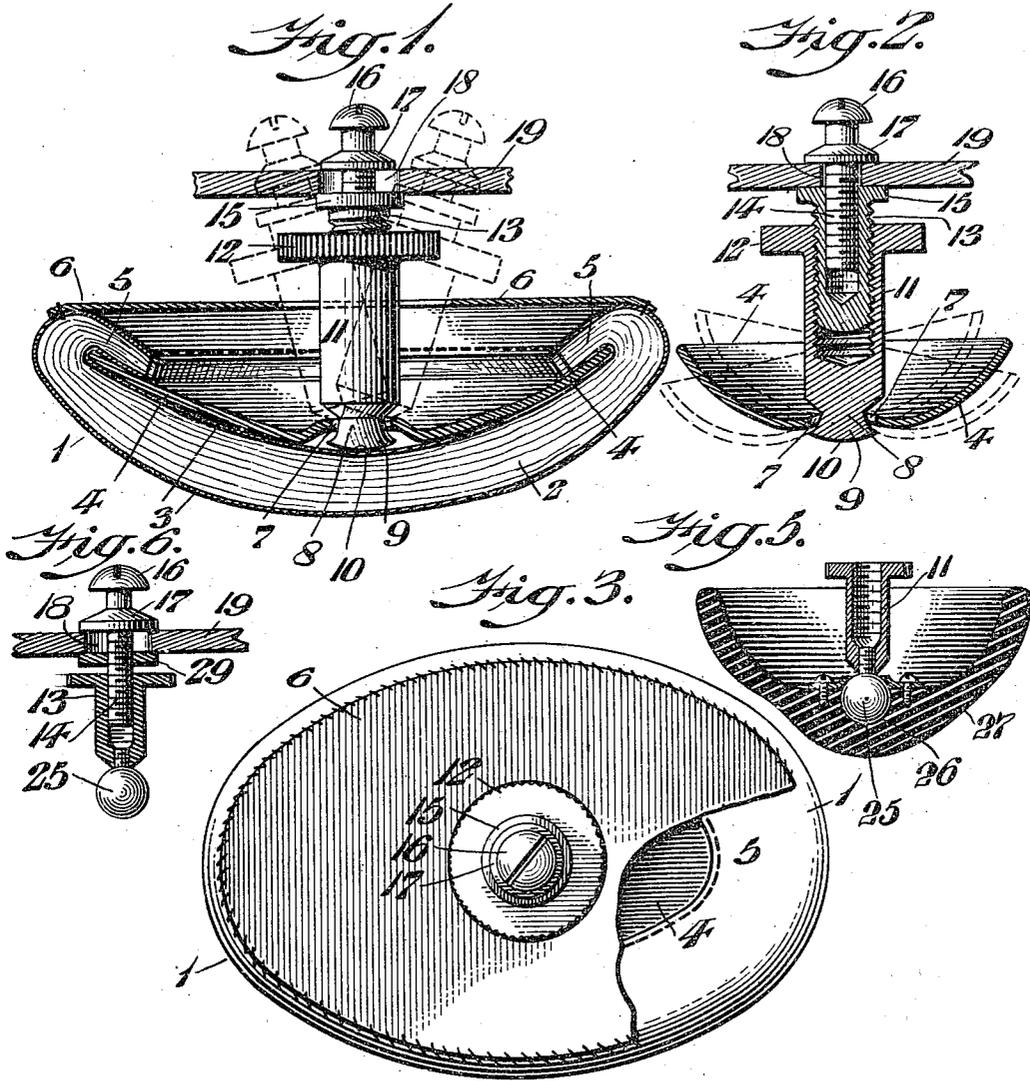


W. B. SEELEY.
 PAD FOR HERNIAL TRUSSES.
 APPLICATION FILED MAR. 26, 1917.

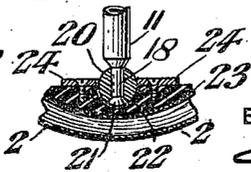
1,237,709.

Patented Aug. 21, 1917.



WITNESSES

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PAD FOR HERNIAL TRUSSES.

1,237,709.

Specification of Letters Patent. Patented Aug. 21, 1917.

Application filed March 26, 1917. Serial No. 157,367.

To all whom it may concern:

Be it known that I, WALTER B. SEELEY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Pad for Hernial Trusses, of which the following is a specification.

My invention relates to a hernial truss and consists of a pad therefor, the same being adapted to be worn in various positions with comfort and security, and have its pressure adjusted as desired in an easy, convenient and uniform manner.

The invention is satisfactorily illustrated in the accompanying drawing, but the important instrumentalities thereof may be varied, as long as they are included in the scope of the claims.

Figure 1 represents a partial side elevation and partial diametric section of a pad for a hernial truss embodying my invention.

Fig. 2 represents a longitudinal section of a detached portion thereof.

Fig. 3 represents a top plan view thereof. Figs. 4, 5, and 6 represent sections of other embodiments of the invention.

Similar numerals of reference indicate corresponding parts in the figures. Referring to the drawings,

1 designates a pad proper of a hernial truss, the same being formed of the body 2, the covering 3, both of suitable pliable material, and the metallic or rigid plate 4 forming the backing of the pad, the ends of said body being intumed forming the flange 5, which overlaps the peripheral portion of the plate 4 and retains the latter in position. The inner side of the pad has a covering 6 which closes the same. In said plate 4 is an opening 7 which is of less diameter than the head 9 and is occupied by the neck 8 of the head 9, the latter having a convex face 10 which is adapted to contact with the inner face of the pad 1, said neck being of less diameter than said head 9, whereby said head and the walls of said opening 7 in the plate 4 form a ball and socket joint for the shank or post of the pad and the pad itself.

The neck 8 and consequently the head 9 extend from the tubular member or sleeve 11 which is interiorly screw threaded and provided with the milled rim 12 for convenience of rotating said sleeve.

Fitted concentrically in said sleeve 11 is the auxiliary tubular member or sleeve 13

which is exteriorly screw threaded for engagement with the threads of said sleeve 11. Fitted in the sleeve 13 is the screw 14, it being noticed that said sleeve has on its outer end the flange 15, and that said screw has thereon near its head 16, the flange 17, said screw having its shank passing through an opening 18 in the waist or body belt 19 of the truss, whereby the latter may be clamped between said flanges 17 and 15 which are opposed to each other, acting as nuts for tightly connecting the pad with said belt and vice versa, it being evident that the sleeves 11 and 13 form an extensible or reduceable connection for the pad and belt. As the sleeve 13 enters the sleeve 11, they form together a two part adjustable but stiff shank or post for the pad intermediate of the latter and the body belt 19, while the flange 15 of said sleeve 13 serves to clamp the latter tightly to said belt, and said sleeve 11 forms the means for the in and out adjustment of the pad to the body of the wearer.

The pad may be turned on the neck 8 of the head 9 and so adjusted in angularity to the desired place on the abdomen according to the condition of the hernia, while the degree of pressure of the pad on said place may be adjusted by rotating the sleeve 11 on the sleeve 13, or vice versa, thus increasing or decreasing the length of the connection between the pad and belt, and this is accomplished without disturbing the screw 14 or the body belt with which it is connected.

In the angular adjustment and location of the pad proper the connecting members of the same with the belt 19 may be placed in inclined position, if so desired, as shown in dotted lines, in Fig. 1, to assist said adjustment and location of the pad and also conform to the angularity of the belt 19 due to the contour of the abdomen with which it contacts. In this case, the convex face of the head 9 turns or rolls on the back of the pad and remains centered thereon without imparting irregular pressure thereto.

It is evident that the sleeves 11 and 13 comprise a post which carries the pad, and is of extensible and reduceable length in its nature, forming admirable means for the adjustment of the pad in the manner as above stated.

In Fig. 4 I show a ball 20 which is held on the neck 8 of the sleeve 11 by the riveted

end 21 on said neck, said ball being freely seated in the socket 22 formed in the backing plate 23 of hard rubber or other suitable material on the inner face of the pad 2, said ball being retained freely in said backing by the plates 24 which are screwed or otherwise secured to the backing 23, it being evident that owing to the ball and socket joint of the pad and post as such, the greatest freedom of motion of the pad on the post is afforded, and vice versa, and the pad will conform most readily to the anatomy of the abdomen, so as to be seated thereon according to the conditions of the hernia.

In Fig. 5, the sleeve 11 carries the spherical head 25 which is secured to the adjacent end of said sleeve, and is seated in the recess 26 in the hard rubber pad 27 and retained in position by the plate 28 which is secured to the inner face of the pad and having in it an opening of diameter sufficient to prevent said ball escaping through the same, but freely retaining the ball in its operative position and assisting to connect the pad with said sleeve by a ball and socket joint which permits the greatest freedom of motion of the pad on said sleeve.

As in the previous case, in Fig. 6 I show the ball head 25 connected with the sleeve 13, the sleeve 11 being dispensed with. In this case, the screw 14 has thereon the nut 29 which is adapted to be tightened against

the adjacent side of the body belt 19 opposite to the head or flange of the screw 14, thus firmly connecting the latter with said belt and permitting considerable in and out movement of said sleeve 13 in the adjustment of the pad.

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

1. An interiorly threaded sleeve having a head thereon, a pad, the latter being provided with a socket in which said head is mounted, an auxiliary sleeve interiorly and exteriorly threaded and adapted to engage the interior of the first named sleeve, a screw adapted to engage the interior of said auxiliary sleeve, a body belt, and a nut and a flange on said screw on opposite sides of said belt.

2. In a truss, a pad, and a sleeve, the latter forming the post of the pad, a head on the pad end of said sleeve, a plate on the inner side of said pad, said plate having an opening therein, the wall of said opening and the neck of said head forming a ball and socket joint, the curved face of said head being adapted to roll on the back of said pad.

WALTER B. SEELEY.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."