

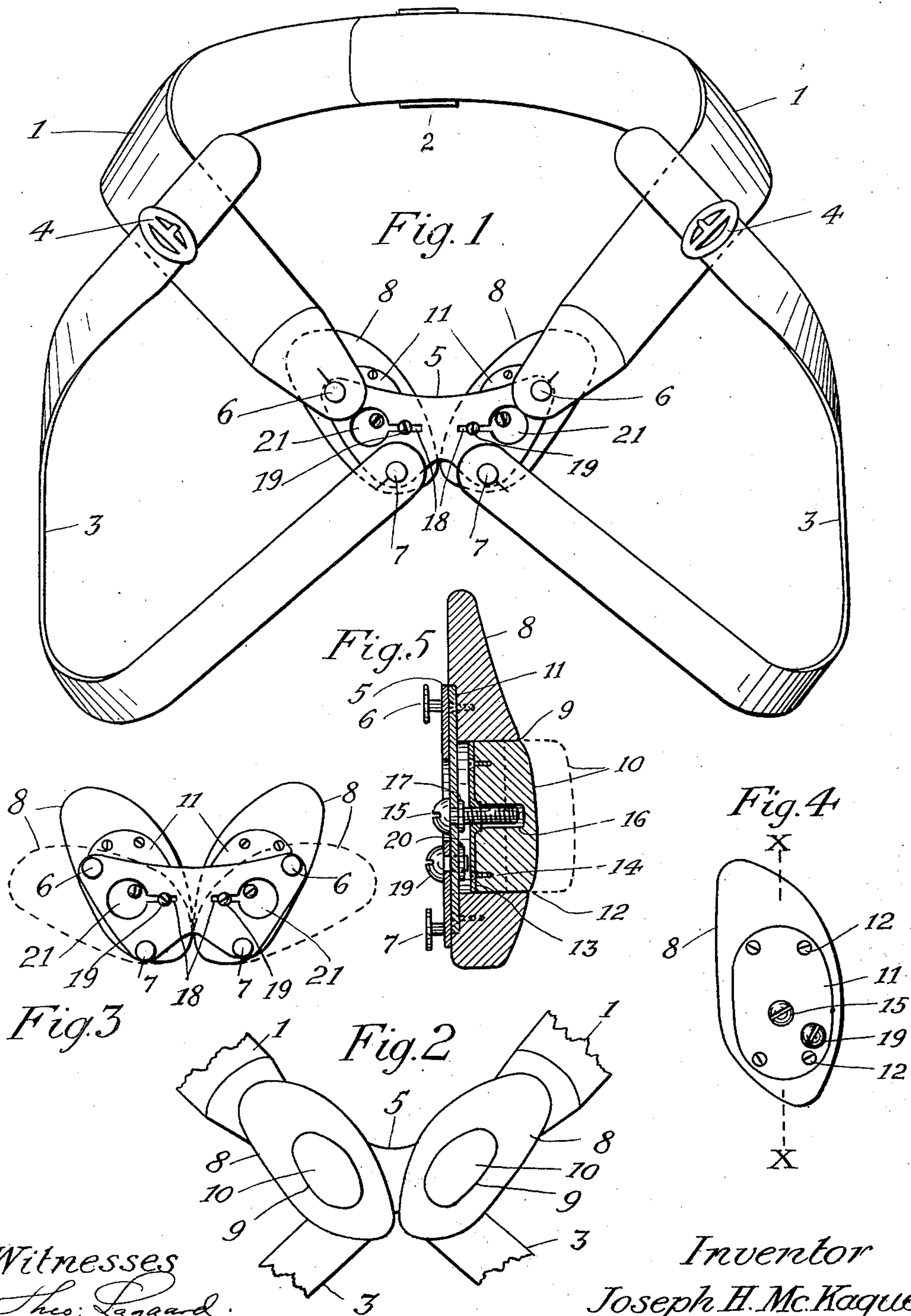
No. 707,619.

Patented Aug. 26, 1902.

J. H. McKAGUE.
HERNIAL TRUSS.

(Application filed Mar. 24, 1902.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH H. MCKAGUE, OF COLUMBIA HEIGHTS, MINNESOTA.

HERNIAL TRUSS.

SPECIFICATION forming part of Letters Patent No. 707,619, dated August 26, 1902.

Application filed March 24, 1902. Serial No. 99,663. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. MCKAGUE, a citizen of the United States, residing at Columbia Heights, in the county of Anoka and State of Minnesota, have invented certain new and useful Improvements in Trusses, of which the following is a specification.

My invention relates to hernial trusses; and its objects are improvement of the means for attaching and adjusting the pads and the provision of means for lateral adjustment of central portions of the pads independently of the bodies of the pads.

My improvements are illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of a complete double truss and its supporting-straps. Fig. 2 shows the inner or contact surfaces of the pads. Fig. 3 is a front view similar to Fig. 1 with the straps removed and shows by broken lines positions of adjustment of the pads. Fig. 4 is a front view of one of the pads detached, and Fig. 5 is a longitudinal section of one of the pads on the line xx of Fig. 4.

In the drawings, 1 designates the band or main strap, (preferably elastic,) that is passed around the body and which is provided with a buckle 2 for tightening and holding it, and elastic straps 3, intended to pass around the legs, are connected to the band 1 by buckles 4. The pad-plate 5 is provided with buttons or studs 6 and 7, to which the ends of the straps 1 and 3, respectively, are detachably secured. The two pads are of like construction and consist of a body portion 8 of rounded oblong shape and having near the center a transverse opening 9 of oblong or rounded form, in which is an adjustable auxiliary pad 10. The opening 9 is covered by a plate 11, that is fastened to the pad by screws 12. The auxiliary pad has upon its surface next the plate 11 a plate 13, which is secured by screws 14. An adjusting-screw 15 engages the plate 13 in a threaded hole near its center, and its shank turns without contact in a socket 16 in the auxiliary pad. The screw-head is outside the plate, and a collar 17 is secured to the screw-shank inside the plate, and thus the turning of the screw 15 serves to move the auxiliary pad toward or away from the main pad. By this means the main pad may

be supplemented by the auxiliary pad to give increased pressure at a point substantially central to the surface upon which the pad as a whole operates. The pads 8 have one of their surfaces flat to correspond with the inner surface of the plate 5, which they abut, while their other surfaces are suitably rounded and are made to taper from thicker middle and lower portions to thinner upper portions, as indicated in Fig. 5, to make them conform to the shape of the portion of the body against which they bear.

The plate 5 for connecting the pads and straps has opposite slots 18 extending lengthwise of the plate near its middle line to receive the holding-screws 19, that connect the pads to the plate. The screw-heads bear upon the outer surface of the plate, and the screw-threads engage the threaded walls of sockets 20, provided beneath the plate. The slots are suitably widened toward the ends of the pad-plate, as shown at 21, to give access to the adjusting-screws 15 and to permit the pad-plate to swing without striking those screws. This arrangement permits adjustment of the pads bodily lengthwise of the plate and swinging movements to any desired angles when the screws 19 are loose and the retention of the pads in adjusted positions by the tightening of the screws.

By this construction of pad-plate, pads, and auxiliary pads a readily-adjusted truss that is efficient in the treatment of various conditions of hernia is provided.

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

1. The combination with a truss-pad having an oblong opening in its body, of a plate secured to one side of the pad and covering the opening, a screw adapted to turn in said plate without moving axially, and an oblong auxiliary pad in said opening provided with a tapped socket to receive the screw, whereby the auxiliary pad may be adjusted axially toward or away from the main pad, substantially as set forth.

2. The combination with an oblong truss-pad having an oblong opening in its body and having one of its surfaces flat and the other rounded and tapering from thicker middle and lower portions to thinner and narrower

upper portions, of a plate secured to said flat surface and covering said opening, a screw adapted to turn in said plate without moving axially, and an oblong auxiliary pad in said opening provided with a tapped socket to receive the screw, whereby the auxiliary pad may be adjusted axially toward or away from the main pad, substantially as set forth.

3. The combination with a pad-plate, of an oblong pad adjustably secured thereon and having its contact-surface flat and its other surface rounded and tapering from thicker middle and lower portions to thinner and narrower upper portions and having an opening

in its body, a plate secured to said flat surface and covering said opening, a screw adapted to turn in said plate without moving axially, and an oblong auxiliary pad in said opening provided with a tapped socket to receive the screw, substantially as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 17th day of March, 1902.

JOSEPH H. MCKAGUE.

Witnesses:

P. H. GUNCKEL,
FLOYD MCKAGUE.