No. 763,683. PATENTED JUNE 28, 1904.

A. E. MAGORIS.

COMBINED ABDOMINAL HERNIA PAD.

APPLICATION FILED OCT. 30, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

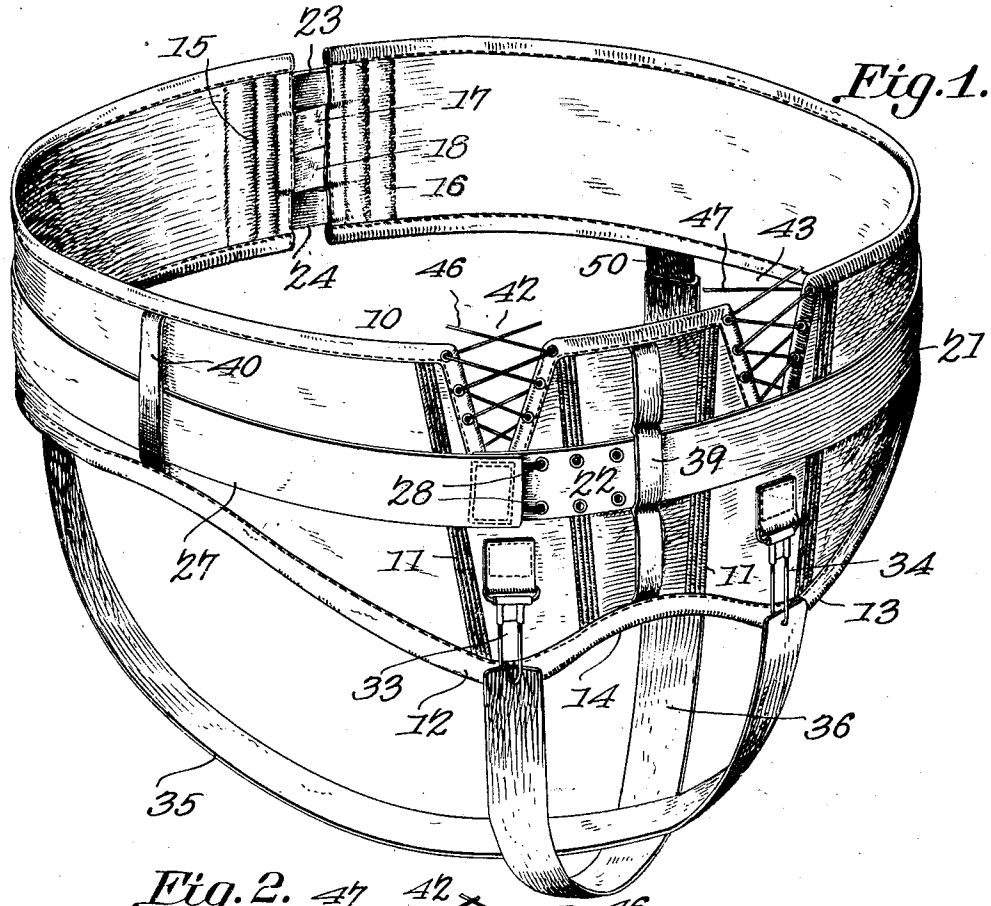
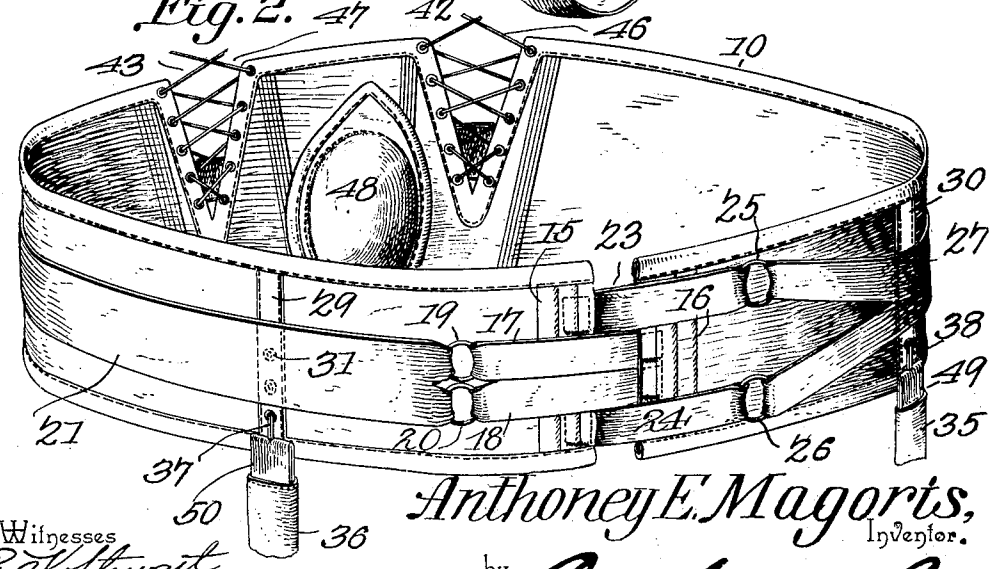


Fig. 2.



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NO MODEL. 2 SHEETS—SHEET 2.

Fig. 3.

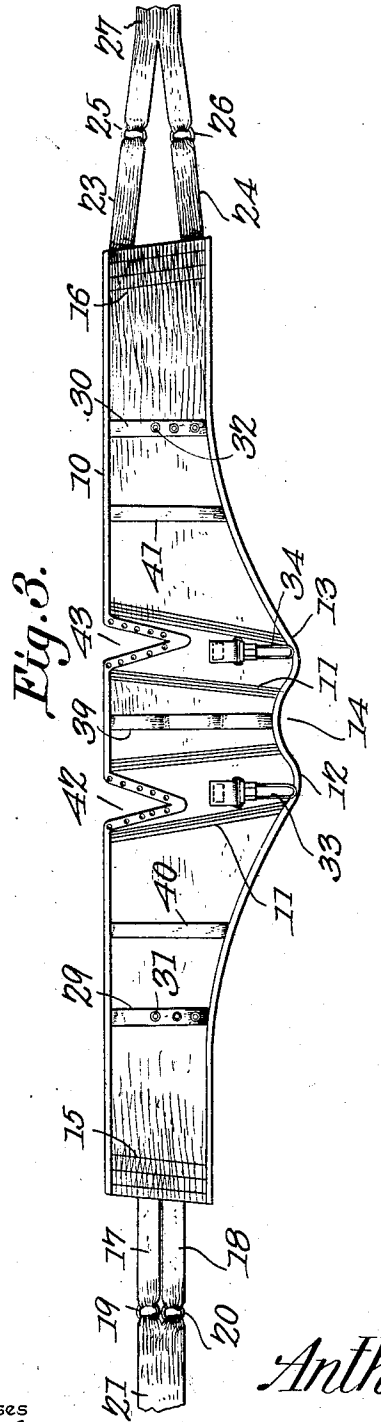
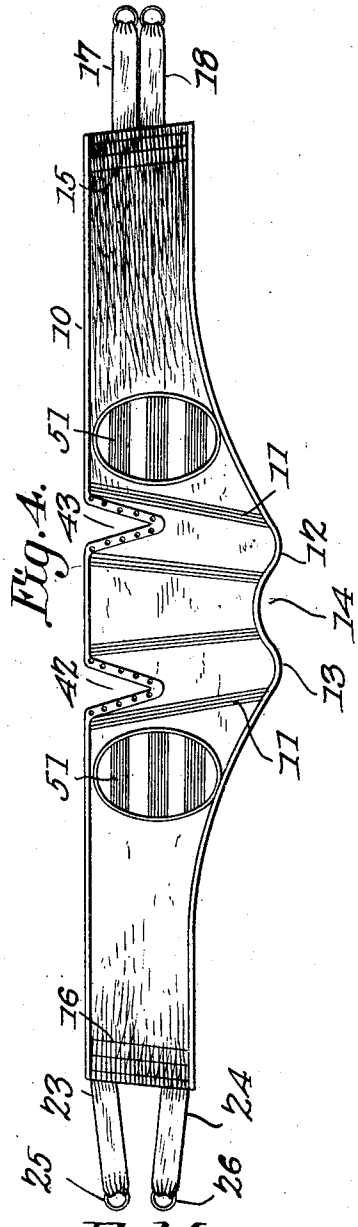


Fig. 4.



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UNITED STATES PATENT OFFICE.

ANTHONEY E. MAGORIS, OF BINGHAMTON, NEW YORK.

COMBINED ABDOMINAL HERNIA-PAD.

SPECIFICATION forming part of Letters Patent No. 763,683, dated June 28, 1904.

Application filed October 30, 1903. Serial No. 179,195. (No model.)

To all whom it may concern:

Be it known that I, ANTHONEY E. MAGORIS, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented a new and useful Combined Abdominal Hernia-Pad, of which the following is a specification.

This invention relates to abdominal supporters which may likewise be employed for supporting one or more hernia-pads or one or more electric pads or similar appliances in position, and has for its object to produce a device of this class simple in structure and arrangement which may be adjusted to different forms and abnormal conditions of the body and which will effectually support the parts without discomfort to the wearer.

The invention consists in certain novel features of construction, as hereinafter shown and described, and specified in the claim.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters, Figure 1 is a perspective view of the improved device from the front, and Fig. 2 is a similar view from the rear. Fig. 3 is a view of the improved device with the parts distended or disconnected. Fig. 4 is a view similar to Fig. 3 viewed from the interior.

The improved device comprises a main band portion 10 of suitable material, such as drilling in two or more thicknesses, suitably bound and provided with transverse "cording" as at 11. This band is made relatively broad at the central portion and formed to fit the body of the patient when applied and provided with spaced depending lobes 12 13 at the bottom edge, whereby a central upcurving portion 14 is formed to fit over the pubic arch of the pelvis. The ends of the band which will nearly meet at the back when applied are narrower than the central front portion and are provided with stiffening-bars, of metal, whalebone, or the like, sewed into the band, as indicated at 15 16.

Attached transversly of the band 10 near the ends are sections of webbing 29 30, having spaced eyelets 31 32, and attached to the "lobes" 12 13 at the front are connecting means, such as spring-hooks or safety-pins 33 34, for the connection of the perineal bands 35 36, the latter adapted for connection at one end to the hooks or pins 33 34 and provided with hooks 37 38 at their other ends for adjustable connection with the eyelets 31 32. By this means it is obvious the perineal bands may be easily and quickly attached and detached and adjusted to any desired length. The bands 35 36, it will be noted, are entirely without metal parts and will be constructed of material which may be readily washed when required, and they will preferably have short sections of elastic webbing, as at 49 50, at the rear ends. Attached centrally to the band in front are a plurality of transverse supporting-loops 39, preferably formed by sewing a section of tape to the band at intervals, as indicated, and similar loops 40 41 are arranged upon the band intermediately of its ends and central portion, as shown.

At suitable points in the band 10 gores 42 43 are formed, with their flaps provided with spaced eyelets for lacings 46 47 to provide for a still greater range in the adjustment, as hereinafter described.

Attached centrally to one end of the band 10 are closely-disposed elastic straps 17 18, terminating in rings 19 20 to afford means for the flexible connection of a non-elastic strap 21, of webbing, of suitable width and strength, the termination of the latter having spaced eyelets 22, as shown. The other end of the band 10 is provided with elastic straps 23 24, attached to the edges of the band 10 and terminating in rings 25 26, which afford means for the attachment of a non-elastic strap 27, of suitable webbing, terminating in spaced hooks 28 for connection with the eyelets 22, as hereinafter shown.

When thus constructed, the device is applied as follows: If the patient is of practically normal outline, the gore adjustments will not be required, and in that event the lacings will be drawn taut to entirely close the flaps of the gores, or the device may be constructed without the gores. For patients of abnormal growth, such as those with tumors or the like, the gores will be a very important feature, as by that means the upper edge of the band may be distended to conform to any

peculiarity of configuration or form and enable the band to be placed in position and worn without discomfort or annoyance to the patient. When properly adjusted, the band 10 is placed about the body and the strap 21 passed through the interstice between the elastic straps 23 24 and thence threaded through the loop 41 and one of the loops 39 at the front and the strap 27 similarly passed around the body in the opposite direction and threaded through the loop 40 and the two straps drawn as tightly as required and the hooks 28 engaged with the nearest eyelet 22, as shown. If the patient possesses a protruding or "low-placed" abdomen, the straps 21 27 can be engaged with lowermost of the loops 39, so that an upward pressure can be exerted thereon, and by reason of the plurality of the loops 39 it is obvious the device can be adjusted to all the various abnormal outlines which may be encountered. The perineal straps are then applied and drawn as taut as may be required.

It will be noted that no buckles or narrow straps are strained across the abdomen and all the elastic parts are in the rear, thereby bringing all the movements caused by the yielding of the elastic parts at the back, where the body is stronger and will not be liable to be effected thereby. This is an important feature of the invention and adds materially to its value, as the abdominal regions, especially when diseased, are very sensitive and easily affected injuriously by friction or the constant moving of parts of a supporter.

The band 10 provides a very convenient and efficient means also for the support of hernia-pads of various forms, one of which is shown at 48, which may be readily attached where required and the pressure applied to any required extent, and by reason of the relatively great width of the band not only will the pad be supported in place, but the surrounding walls of the abdomen will be equally supported and all tendency to displacement obviated. The band may also be employed for supporting the various forms of electrical pads, belts, or similar appliances of the usual or special forms, as at 51.

By this simple arrangement the band may be perfectly adjusted to all the various forms of the abdomen of the patient, whether in abnormal or deformed condition, and can be employed as an abdominal supporter, as a supporter for a hernia-pad, or as a combined abdominal and hernia-pad supporter, or as a supporter for electrical appliances, or as a combined abdominal and electrical-appliance supporter.

The device thus constructed will not cut or irritate the person of the wearer and adjusts itself, by reason of the yielding elastic bands at the back, to the movements of the wearer without producing friction or unequal strains upon the abdominal regions. The elastic pressure at the back also produces a constant "massage" action upon the body in front and elevates the weight of the bowels into the hernia sacs or canals. By this arrangement also the perineal straps, while yielding at the rear by reason of the elastic sections, are firm in front and materially assist in holding the band down in position and materially assist in preventing displacement of the hernia-pads.

The device may be constructed of any suitable material and in various sizes, as may be required.

Having thus described the invention, what I claim is—

An abdominal supporter comprising a band conforming to the body and provided with spaced transversely-disposed supporting-loops, elastic-webbing sections spaced apart and extending from one end of said abdominal band and united to a non-elastic section extending in one direction around the body and through one series of said supporting-loops, and an elastic-webbing section connected centrally to the other end of said abdominal band and extending between said spaced elastic-webbing sections and connected to a non-elastic-webbing section extending in the opposite direction around the body and through the other series of said supporting-loops, and means for adjustably connecting the free ends of said non-elastic-webbing sections at the front.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ANTHONEY E. MAGORIS.

Witnesses:

CH. W. WALKER,

I. W. WOUGHTER.