Jan. 2, 1923. 1,440,692.

C. MARTIN.

TRUSS.

FILED NOV. 10, 1921.

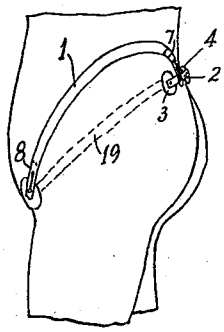

FIG. 1.

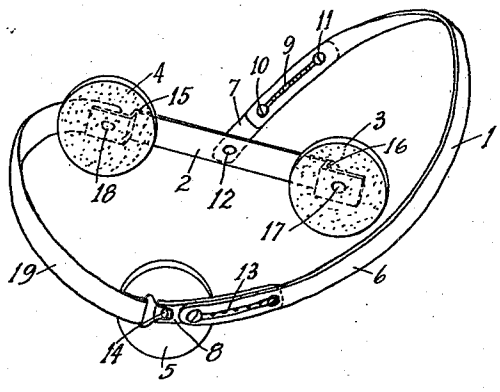

FIG. 2.

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UNITED STATES PATENT OFFICE.

CHANCELLOR MARTIN, OF SAN DIEGO, CALIFORNIA.

TRUSS.

Application filed November 10, 1921. Serial No. 514,130.

To all whom it may concern:

Be it known that I, CHANCELLOR MARTIN, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented a certain new and useful Truss, of which the following is a specification.

My invention relates to trusses for the control of hernia, more particularly for control of hernia in the hypogastric region, and some of the objects of my improvements are to provide a truss which shall be simple of construction; economic of manufacture, comprising few parts; durable; not liable to get out of order and give trouble to the wearer; snug-fitting and comfortable to wear; provided with means for universal adjustment, to fit various sizes and forms of body; easy to apply to the body; inconspicuous; and easy to assemble and change parts such as pads, as required.

With these and other objects in view as will appear hereinafter my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this application in which:

Figure 1 is a side elevational view showing the truss applied to the body, the body being shown in fragmentary outline; and Fig. 2 is a perspective view of the truss.

Similar reference characters refer to similar parts and portions throughout the two views of the drawings.

The truss embodying my invention comprises a spring retention band 1, a bridge bar 2, back pads 3 and 4 and a hernia retention or controlling pad 5. These are the principal parts of my truss.

The retention band 1 consists of a flat bar of springy material, so formed that it lies flat against the body of the wearer, fitting snugly, from the middle of the back, over the hips to the groin. It is formed in three sections; a long, curved section 6, a rear, short section 7, and a front short section 8. Sections 6 and 7 mutually lap at one of their ends respectively and section 6 is slotted, as shown at 9. The section 6 is preferably formed with a series of screw-threaded holes for receiving clamping screws 10 and 11 or an equivalent device. Thus means for adjusting the length of band 1 at the back is provided. The rear end of section 6 is formed with a hole for a screw 12, by means of which it is adapted for pivotal attachment to bridge bar 2 and for angular adjustment on said bar 2, so that it may be swung to pass over either the right or the left hip, according to the side on which the hernia obtains. The forward end of section 6 is formed with a longitudinal slot 13, similar to the rear end for receiving screws like 10 and 11 which adjustably secure section 8 which in turn is formed with a hole to receive a screw 14, by means of which the hernia retention pad 5 is mounted thereon.

In case of double hernia, an additional band 1 and pad 5 may be mounted on bar 2 by means of screw 12.

The bridge bar 2 is formed of a flat bar, formed with a screw-threaded hole in the middle for receiving the screw 12. The ends of the bar are offset at 15 and 16 in order to raise the middle portion of the bar to clear the spine. The ends are formed with longitudinally slotted holes to receive the screws 17 and 18 by means of which pads 3 and 4 are adjustably mounted on the bar.

The pads 3 and 4 are formed of wood or other rigid material and may be of the usual shape and covered with padding in the usual way. They are intended to rest on the lumbar muscles on the sides of the back and are adjustable in the slotted holes in the ends of bar 2, according to the width of the back of the wearer, so that they may be worn with comfort.

The pad 5 is of the conventional form and adjustably mounted on section 8 or the forward end of band 1.

A strap 19, may be added, to pass around the hip and connect the forward end of the band 1 with the bridge member 2 on the opposite side of the body from the band 1.

In use, pads 3 and 4 are adjusted so as to rest upon the lumbar muscles of the prospective patient or wearer, where they are most comfortable. The band 1 is placed over the hip on the side of the hernia and its length adjusted by screws 10 and 11 so that it fits snugly and most comfortably, and the pad 5 is placed in the proper location to control the hernia and adjusted by means of slot 13. The action of the spring

band 1 is to press the viscera inward and upward by the reaction of the pads 3 and 4 which press upon the back in the direct line of the action required, and the pressure is distributed between the two sides of the back, so that it is borne comfortably.

The simplicity of structure of my truss will now be appreciated, the fewness of parts and economy of manufacture and consequent low cost will be apparent and all the objects of my improvements, are clearly seen to be attained by means of the structure hereinbefore set out.

Though I have shown and described a particular construction, combination and arrangement of parts and portions I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. A device of the class described, including a pair of supporting pads, a bridge member offset forwardly at each end connecting said pads, a curved retention spring adjustable at its opposite ends, pivotally connected at one of its ends to said bridge member and a pad secured to the other end of said retention spring.

2. A device of the class described, including a pair of supporting pads, a bridge member offset forwardly at each end connecting said pads, a curved retention spring adjustable at its opposite ends, pivotally connected at one of its ends to said bridge member, a pad secured to the other end of said retention spring and a band connecting the free end of said retention spring with one end of said bridge member and around the opposite side of the body of the wearer from said retention spring.

3. A device of the class described, including a rigid supporting member, a retention spring pivotally connected centrally on said supporting member, a pad secured to the front end of said retention spring, a flexible band connecting the front end of said retention spring with said supporting member on the opposite side of the body from said retention spring and means for adjusting the length of said retention spring at its opposite ends.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 1st day of November, 1921.

CHANCELLOR MARTIN.