

UNITED STATES PATENT OFFICE.

J. C. RAINBOW, OF NEW BRIGHTON, PENNSYLVANIA.

BELT-TRUSS.

Specification of Letters Patent No. 29,403, dated July 31, 1860.

To all whom it may concern:

Be it known that I, J. C. RAINBOW, of New Brighton, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in Trusses for the Support or Cure of Hernia; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1, is a front view of my improved truss showing its application to the body. Fig. 2 is a back view of the same.

Similar letters of reference indicate corresponding parts in both figures.

My invention consists in a certain novel system of straps employed in combination with the pads of a truss whereby the displacement of the pads under any circumstances is effectually prevented, and in lifting or violently exercising the body the necessary pressure is produced without being made oppressive, and when the body is at rest either in a standing, sitting or recumbent position the pressure is relaxed sufficiently to render the truss perfectly comfortable.

To enable others skilled in the art to make and use my invention I will proceed to describe it with reference to the drawings.

A, A, are the two pads having each two buckles *a, b*, permanently attached to its upper part, a buckle *c*, permanently attached to its outer side, and a strap *d*, permanently attached to its lower part. The straps *d, d*, are of sufficient length to pass around the inside of the thigh up to points about opposite to the bottom of the spine, and each of the said straps has permanently attached to its end three buckles *e, f, g*.

h, h, are two straps of a length to reach from the buckles *a, a*, to points a little above the waist, connected together by a brace strap *n*, and having, each, permanently attached to its upper end a buckle *i*. The lower ends of these straps are passed through the buckles *a, a*, and by that means attached to the pads in such manner as to be adjustable, and each of the said straps has attached to its outer edge opposite to the brace strap a buckle *j*.

k, k, are two straps of a length to reach from the buckles *f, f*, nearly to the shoulder, connected together by a brace strap *l*, and having each permanently attached to its upper end a buckle *m*. The lower ends of these straps are passed through the buckles *f, f*, and thereby attached to the straps *d, d*, in such manner as to be capable of having their length adjusted.

o, o, are two straps connected one with each of the buckles *g, g*, at the back, crossing each other and passing over the hips around the front of the body to the buckles *j, j*. These straps are adjustable both at the buckles *g, g*, and at those *j, j*.

p, p, are two straps passing from the buckles *c, c*, at the outer sides of the pads around the hips to the buckles *e, e*, and made adjustable at both ends.

r, r, are shoulder straps connected with the buckles *i, i*, and *m, m*, and made adjustable at each end.

This truss when put on as represented in the drawing may be adjusted to the size of the person to bring and keep the pads in their proper positions by drawing up or letting out the several straps at their buckles, and when the parts are once adjusted the truss may be taken off and put on again without unfastening any of the straps. To take it off, it is only necessary to slip the shoulder straps *r, r*, off the shoulders when the whole will slip down easily and may be stepped out of. To put it on again it is only necessary to step into the straps *o, o, p, p, d, d*, draw them up and slip the straps *r, r*, over the shoulders.

What I claim as my invention, and desire to secure by Letters Patent, is—

The employment in connection with the pads A, A, of straps *d, d, h, h, n, k, k, l, o, o, p, p, r, r*, and connecting and adjusting buckles, the whole combined and arranged substantially as herein specified or one pad only, when two are not necessary.

J. C. RAINBOW.

Witnesses:

H. MENDENHALL,
JAMES RICHARDS.