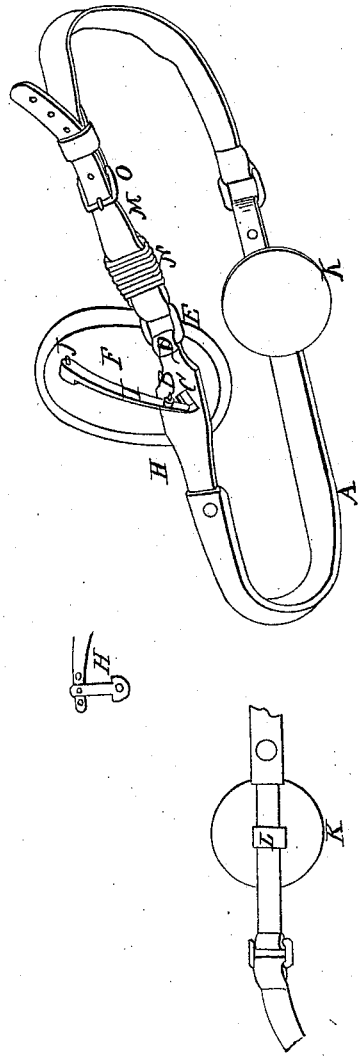
J. Hungerford,

Truss,

№533, Patented Dec. 26, 1837.



UNITED STATES PATENT OFFICE.

JOSIAH HUNGERFORD, OF DOVER, NEW YORK.

TRUSS FOR HERNIA.

Specification of Letters Patent No. 533, dated December 26, 1837.

To all whom it may concern:

Be it known that I, JOSIAH HUNGERFORD, of Dover, in the county of Duchess and State of New York, have invented a new and useful Improvement in Trusses; and I do hereby declare that the following is a full and exact description; and to enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation, and have also illustrated it by the accompanying drawings.

The hinge and brace self adjusting truss consists of a steel curved band A bent and hardened with a spring temper so that the spring will extend to suit the size of the body, and extend a little more than half way around the body of the patient this curved band is square sides and flat and half of an inch wide where the two mortises B C pass through which is about one inch from the end from the mortises to the end it tapers in width and thickness and rises about one quarter of an inch, with the end turned over as at D to admit a link, E holding its width where the mortises pass through about one inch then tapering down to three eighths of an inch and holding that width to the end, and is about one eighth of an inch thick where the mortises pass through about one inch, then gradually tapering two inches to half an eighth and continues that thickness within one inch from the back end and tapering a little and turned over to admit a link, the oval pad F hereafter described is attached to the spring band by the mortise through the band standing about twenty degrees out from the center line of the band one on each side of the center so that the pad can be reversed on either side to suit the rupture on the patient leaving the shape between the two mortises like the letter V, the rupture pad is metal and of an oval form on the back and upper focus of which is a post of metal with a hole through near the lower end through which passes a staple which connects the post H with the pad the lower end of the post round in such a manner as to admit the post to incline lengthwise of the pad either way from a perpendicular about five degrees with a rounding shoulder of half of an eighth of an inch thick on each side of the bottom of the post for the band to rest on giving the pad a chance for a rotary motion in the spring band, this post connects the pad to the band by inserting through either of the mortises in the band setting the lower end of the pad in an angle to suit the patient, the mortises being longer on the outside so the post can turn either way to adjust the pad so that it shall have an equal and uniform pressure on the rupture on the end of the post that projects through the band is a groove with a hole through for a pin to hold the brace I the brace is metal and attached to the pad by a staple J passing through one end of the brace down to the lower focus of the pad leaving the other end room to lift up and down, the other end of the brace sits down in the groove of the post the brace having four or five holes in that end so that the pin that passes through the post and through either of the holes to suit the patient and adjust the pad, the back pad K is round and of metal and is attached to the back part of the band by a clasp L so that it can be moved either way to suit the size of the patient and secured by a metal wedge to its proper place. The strap M is attached to a metal link nearest to the oval pad with a steel wire spring N attached to it and strap to the other end to pass through a buckle the other end of the band, the strap is secured to the band by a metal link and the end of the strap a buckle O to take up or let out to suit the size of the patient.

The invention claimed by me, the said JOSIAH HUNGERFORD, and which I desire to secure by Letters Patent consists in—

The particular mode described of reversing the pad by means of the oblique mortises, and of constructing the post H, the brace I, and their appendages, for connecting the pad to the spring and adjusting it in its place.

JOSIAH HUNGERFORD.

Witnesses:
JOHN WING,
JACOB WING.