

Specification of Thomas Partridge Salt : trusses.

Contributors

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A.D. 1863, *19th May.* N^o 1258.

S P E C I F I C A T I O N

OF

THOMAS PARTRIDGE SALT.

—
TRUSSES.
—

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
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1863.

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A.D. 1863, 19th MAY. N° 1258.

Trusses.

LETTERS PATENT to Thomas Partridge Salt, of Birmingham, in the County of Warwick, Surgical Instrument Maker, for the Invention of "**IMPROVEMENTS IN THE MANUFACTURE OF TRUSSES.**"

Sealed the 18th November 1863, and dated the 19th May 1863.

PROVISIONAL SPECIFICATION left by the said Thomas Partridge Salt at the Office of the Commissioners of Patents, with his Petition, on the 19th May 1863.

I, THOMAS PARTRIDGE SALT, of Birmingham, in the County of Warwick,
5 Surgical Instrument Maker, do hereby declare the nature of the said Invention for "**IMPROVEMENTS IN THE MANUFACTURE OF TRUSSES,**" to be as follows, that is to say :—

My Invention consists, firstly, in forming the spring in trusses used for inguinal hernia in two parts, the one sliding on the other, so that the spring
10 may be extended or contracted in front, the two parts of the spring being secured together by binding screws ; the sliding end of the spring is curved upwards and outwards, the exact curve being adopted which conforms most nearly to the line of the abdomen, and would bring the pads directly over the inguinal openings. The opposite end of the spring which passes over the
15 spinal column is provided with two revolving circular pads instead of one, thus preventing any inclination to tilt or work out of the horizontal line. The pads are attached to the front part of the truss by a small hook-shaped spring, one limb of which is connected by binding and adjusting screws to the front

Salt's Improvements in the Manufacture of Trusses.

part of the truss, and the other limb secured by a central screw, upon which the pads rotate.

Secondly, my Invention refers to improvements in the manufacture of pads for all descriptions of trusses, and it consists in forming such pads of thin shells or blanks of metal, horn, or other suitable material, and covering such 5 blanks with material of any required description, in manner similar to that in which Florentine buttons are made. The blanks when not formed of metal, may be edged with it to afford the means of securing the covering; and for the purpose of obtaining a soft surface or cushion on the face of the pad, between the covering and the shell, I place spongio piline or other suitable 10 stuffing. I thus dispense with all sewing, and obtain a light and strong pad with an even surface.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Thomas Partridge Salt in the Great Seal Patent Office on the 19th November 1863. 15

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, THOMAS PARTRIDGE SALT, of Birmingham, in the County of Warwick, Surgical Instrument Maker, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Nineteenth day of May, in the year of our Lord One 20 thousand eight hundred and sixty-three, in the twenty-sixth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Thomas Partridge Salt, Her special license that I, the said Thomas Partridge Salt, my executors, administrators, and assigns, or such others as I, the said Thomas Partridge Salt, my executors, administrators, and 25 assigns, should at any time agree with, and no others, from time to time, and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "**IMPROVEMENTS IN THE MANUFACTURE OF TRUSSES,**" upon the condition 30 (amongst others) that I, the said Thomas Partridge Salt, by an instrument in writing under my hand and seal, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said 35 Letters Patent.

Salt's Improvements in the Manufacture of Trusses.

NOW KNOW YE, that I, the said Thomas Partridge Salt, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement, reference being had to the Drawings hereunto
5 annexed, and to the letters and figures marked thereon (that is to say):—

My Invention consists, firstly, in forming the spring in trusses used for inguinal hernia in two parts, the one sliding on the other, so that the spring may be extended or contracted in front, the two parts of the spring being secured together by binding screws; the sliding end of the spring is curved upwards,
10 and outwards, the exact curve being adopted which conforms most nearly to the line of the abdomen, and would bring the pads directly over the inguinal openings; the opposite end of the spring which passes over the spinal column is provided with two revolving circular pads instead of one, thus preventing any inclination to tilt or work out of the horizontal line. The pads are attached
15 to the front part of the truss by a small hook-shaped spring, one limb of which is connected by binding and adjusting screws to the front part of the truss, and the other limb secured by a central screw, upon which the pads rotate.

Secondly, my Invention refers to improvements in the manufacture of pads for all descriptions of trusses, and it consists in forming such pads of thin shells
20 or blanks of metal, horn, or other suitable material, and covering such blanks with material of any required description, in manner similar to that in which Florentine buttons are made. The blanks when not formed of metal may be edged with it to afford the means of securing the covering; and for the purpose of obtaining a soft surface or cushion on the face of the pad, between the
25 covering and the shell I place spongio piline or other suitable stuffing. I thus dispense with all sewing, and obtain a light and strong pad with an even surface.

DESCRIPTION OF THE DRAWINGS.

Figure 1 shews a view of the truss; Figure 2, a back view of the circular
30 pads; Figure 3, a section of the same; Figure 4, side view of one of the oval pads, and the remaining Drawing shewing details of the construction of these pads.

The spring of the truss, as seen in (Figure 1), is composed of two parts, the larger or posterior half (A to B) being made to fit accurately the body with
35 a simple arrangement for correct adjustment formed by the slots and binding screws, shewn at the ends marked (A and B); the end (A) passes over the spinal column, the binding screw (C) securing in the slot (D) a transverse spring (E (Figure 2), upon the ends of which are mounted two anti-frictional

Salt's Improvements in the Manufacture of Trusses.

discs or pads (*f, f,*) free upon their centres the screws (*g, g*); these screws also serving to secure the ends of the soft strap (*h*) required to complete the circuit. The second or anterior portion of the spring (*B* to *K*) is made with two curves, or is curved in two planes coincident with the curves of the abdomen, and at each extremity are the slots (*l, l,*) allowing of the adjust- 5
ment of the pads (*m, m,*) nearer to or further from the median line. The pads (*m, m,*) are hung by means of the screws (*n, n*), upon which they are free, to two small springs (*o, o,*) suspended by binding screws (*p, p,*) in the slots (*l, l*), and by slightly releasing these screws the position of the pads can be altered. Being placed at an angle with the axes of the pads, the springs 10
(*o, o,*) maintain uniform pressure; but should a sudden strain occur the resistance of the truss is increased by the compression of the springs. A slight modification of the curves of the springs (*A, B, K*), adapting them to the requisite form for femoral hernia, will render this truss available for that description of hernia also. 15

I have already sufficiently described the mode in which the second portion of my Invention is to be carried out, namely, the improvements in the construction of pads for trusses of all descriptions; sections of these made upon the principle of covered or Florentine buttons are represented in the Drawings, and in some instances the covering and cushioning may be dispensed with, if 20
a smooth surface be all that is required; or the shells may be screwed or otherwise secured together, instead of completing them as a Florentine button, if preferred; whilst for bathing trusses I substitute waterproof material for the usual covering.

Having thus described the nature of my said Invention, and the manner 25
in which the same is to be performed, I claim, without limiting myself to these exact details, the several improvements in trusses, and in pads for trusses, substantially as herein more fully set forth and specified.

In witness whereof, I, the said Thomas Partridge Salt, have hereunto set my hand and seal, this Seventeenth day of November, in the year 30
of our Lord One thousand eight hundred and sixty-three.

THOMAS PARTRIDGE SALT. (L.S.)

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1863.

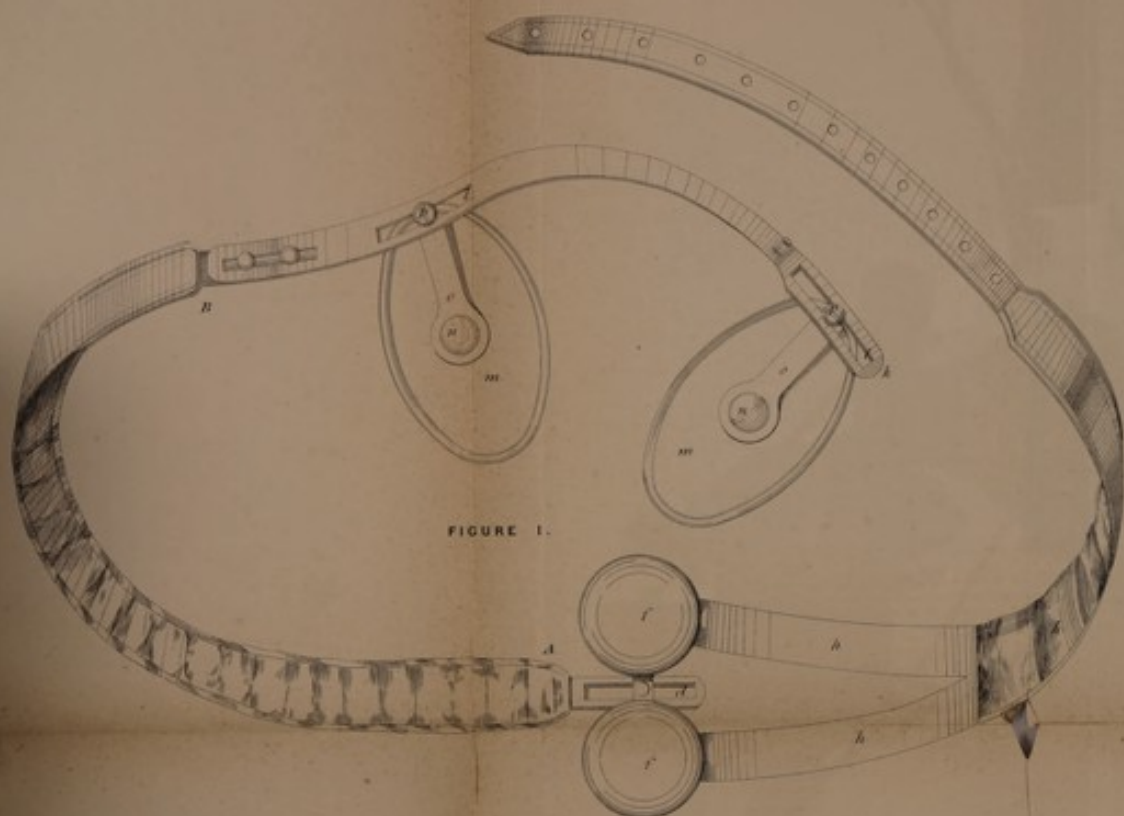


FIGURE 1.

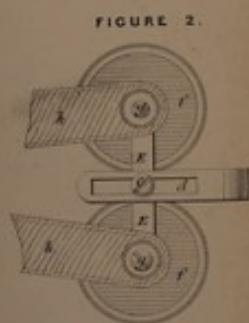


FIGURE 2.

FIGURE 3.

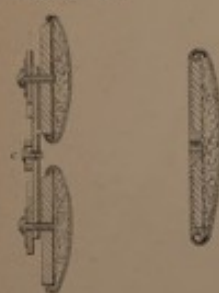


FIGURE 4.



