

Specification of Pierre Féron : truss.

Contributors

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A.D. 1858, 22nd MAY. N° 1140.

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

OF

PIERRE FÉRON.

TRUSS.

LONDON:

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1858.





A.D. 1858, 22nd *MAY*. N° 1140.

Truss.

LETTERS PATENT to Pierre Féron, of Theuville-aux-Maillots, in the Empire of France, Doctor of Medicine, for the Invention of "**AN IMPROVED BANDAGE OR TRUSS.**"

Sealed the 19th November 1858, and dated the 22nd May 1858.

PROVISIONAL SPECIFICATION left by the said Pierre Féron at the Office of the Commissioners of Patents, with his Petition, on the 22nd May 1858.

I, **PIERRE FÉRON**, of Theuville-aux-Maillots, in the Empire of France,
5 Doctor of Medicine, do hereby declare the nature of the said Invention for "**AN IMPROVED BANDAGE OR TRUSS,**" to be as follows:—

The object I propose to obtain by my Invention is the repression of hernia with a force proportionate to its efforts to escape in the physiological acts of defecation, coughing, and other. My improved truss is formed by a steel
10 spring fixed level with the external angle of the cushion on an iron pivot rivetted on the face of the cushion; a brass wire spiral spring rolled around the said pivot, a plate crescent-shaped at one extremity, lined with skin, sewn in the middle, and fixed at the other extremity between the spring and the outer end of the iron pivot; a steel plate serving as skeleton to the cushion,
15 and through the centre of which pass the pivot and spiral, and, lastly, as a fulcrum to the spiral by a metal plate, supported in its turn by another spring. This bandage is to be applied in the same manner as other trusses, and when

Féron's Improved Bandage or Truss.

the hernia is reduced, the cushion will rest well upon the inguinal canal, and the crescent-shaped plate upon the belly. During defecation, for instance, the trunk being inclined forward and the thighs bent over the basin, the abdominal plate will press strongly against the belly, and as the abdominal coating is pushed forward and becomes rigid, the lower extremity of the plate 5 turns on to that furnished with a small leather spring, which reacts on the spiral, and communicates a pressure to the cushion. The great advantage of this truss is the fixity of the cushion laterally, and its mobility backward and forward during efforts of nature.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed 10 by the said Pierre Féron in the Great Seal Patent Office on the 22nd November 1858.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, PIERRE FÉRON, of Theuville-aux-Maillots, in the Empire of France, Doctor of Medecin, send greeting. 15

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-second day of May, in the year of our Lord One thousand eight hundred and fifty-eight, in the twenty-first year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Pierre Féron, Her special licence that I, the said Pierre Féron, my 20 executors, administrators, and assigns, or such others as I, the said Pierre Féron, my executors, administrators, and 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 25 Channel Islands, and Isle of Man, an Invention for "**AN IMPROVED BANDAGE OR TRUSS**," upon the condition (amongst others) that I, the said Pierre Féron, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be 30 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 Letters Patent.

NOW KNOW YE, that I, the said Pierre Féron, do hereby declare the nature of my said Invention, and in what manner the same is to be per- 35 formed, to be particularly described and ascertained in and by the following

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statement, reference being had to the accompanying Sheet of Drawings, and to the Figures and Diagrams marked thereon, similar letters of reference being placed upon and denoting similar parts, where such parts appear or can be seen at each of the Figures respectively:—

- 5 The object of my improved bandage or truss is the repression of hernia, with a force proportioned to its efforts to escape in the physiological acts of defecation, coughing, and other. Trusses have already been made with this object in view, but without attaining the desired end, and in most existing bandages, whether the cushion be fixed or moveable, the spring powerful or
10 weak, the repressive force remains the same during efforts of nature, and the varied movements of the body. The great advantage of my improved truss consists in the fixity of the cushion laterally, and its mobility backward and forward during efforts of nature; and the means by which this end is attained will be more readily understood by reference to the accompanying Sheet of
15 Drawings, in which Figure 1 shews a front view of my improved truss; A, being the main spring; E, the cushion; F, crescent-shaped plate resting on the belly, and Q, screw head. Figure 2, side view of same; Figure 3, cushion with cover removed; Figure 4, side view shewing piston D; Figure 5, section of piston, and Figure 6, another view of piston. The main spring A
20 is fixed level with the external angle of the cushion E, on its pivot Q, rivetted on the face of the cushion, a spiral spring turning round the pivot. The plate F is crescent-shaped at one extremity, and fixed at the other extremity between the spiral spring and the screw head Q; a steel plate serves as skeleton for the cushion E, through the centre of which pass the pivot and spiral; a
25 metal plate, supported by a spring, serving as a fulcrum to the spiral. This bandage to be applied in the same manner as ordinary trusses, and when the hernia is reduced, the cushion E will rest well upon the inguinal canal, and the crescent-shaped plate F upon the belly. The action of my improved truss during defecation is as follows:—The trunk being inclined forward, and the
30 thighs bent over the basin, the abdominal coating is pushed forward and becomes rigid, the abdominal plate F then presses firmly on the belly, and its lower extremity turns on to the plate furnished with the small spring, which reacts on the spiral, and communicates a pressure to the cushion. Figures 7 and 8 shew front and side views of a modification of the ordinary truss, the
35 plate *a* being of one piece, and fixed at once to the cushion, and between the hinge and the plate F, I add a spring H, which tends to push the latter from the piston; a pin S traverses the piston, sliding between two grooves in the plate *a*, and limits the course of the plate *a* and the plate F. Figure 1* shews in skeleton a modification of my improved bandage or truss; K, being

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the spiral; P, screw head; S, plate which turns for the purpose of fixing F in the desired position; T, plate resting on the spiral; U, plate upholding spiral and pistons; V, plate on which turns the plate S; and X, X, Y, Y, the pistons and their tubes. Figure 2*, front view of same; and Figure 3*, plan; Z, shewing the course of the plate F when desirable to change the relative 5 positions of the parts. This modification consists principally in the use of two pistons instead of one. I prefer the improved bandage or truss shewn at Figures 1 and 2, as being equally efficacious and more simple, and consequently less expensive in construction than that shewn Figures 1*, 2*, and 3*, but this latter may, perhaps, in some instances, be found more desirable than 10 the first-mentioned truss.

Having now described the nature of my said Invention, and the means by which I carry it into practical effect, I wish to observe that I employ whatever material I find most desirable in the construction of the different parts forming my improved truss; and I claim the exclusive use of the combinations 15 and modifications herein-before described, detailed, or illustrated in the annexed Sheet of Drawings, forming in or by their several combinations "An Improved Bandage or Truss."

In witness whereof, I, the said Pierre Féron, have hereunto set my hand and seal, this Twenty-second day of November, in the year of our 20 Lord One thousand eight hundred and fifty-eight.

FERON. (L.S.)

Witness,

W. E. GEDGE,

4, Danes Inn, Strand.

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LONDON :

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Printers to the Queen's most Excellent Majesty. 1858.



