

Specification of Christopher Easby : truss.

Contributors

Easby, Christopher.

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A.D. 1865, 12th DECEMBER. N° 3202.

SPECIFICATION

OF

CHRISTOPHER EASBY.

—
TRUSS.
—

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A.D. 1865, 12th DECEMBER. N° 3202.

Truss.

LETTERS PATENT to Christopher Easby, of 191, Rockingham Street, Sheffield, in the County of York, Truss Manufacturer, for the Invention of "**AN IMPROVED TRUSS.**"

Sealed the 8th June 1866, and dated the 12th December 1865.

PROVISIONAL SPECIFICATION left by the said Christopher Easby at the Office of the Commissioners of Patents, with his Petition, on the 12th December 1865.

I, **CHRISTOPHER EASBY**, of 191, Rockingham Street, Sheffield, in the County of York, Truss Manufacturer, do hereby declare the nature of the said Invention for "**AN IMPROVED TRUSS,**" to be as follows, that is to say :—

I use an ordinary steel spring waistband, but instead of affixing the pad directly thereto I mount it upon a short arm, one end of which is circular, and passes through a collar at the top of the pad, and the other flat for being secured to either end of the waistband. The collar at the top of the pad allows it to slide along the pin or circular part of the arm upon which it can be adjusted longitudinally, and fixed by a set screw at the top of the collar. This mode of mounting the pad also allows it to turn upon the pin so that it

Easby's Improved Truss.

can be adjusted at a greater or less angle with the band vertically, and fixed in position by a second set screw. The flat part of the arm has two perforations, one circular and the other in the form of a segmental slot, through each of which a screw is inserted for securing the arm to the waist band; the arm radiates upon one of the screws, and is fixed in position by tightening the 5 other which passes through the segmental slot; by this means the pad has a third or radial vertical adjustment.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Christopher Easby in the Great Seal Patent Office on the 12th June 1866. 10

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, CHRISTOPHER EASBY, of 191, Rockingham Street, Sheffield, in the County of York, Truss Manufacturer, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twelfth day of December, in the year of our 15 Lord One thousand eight hundred and sixty-five, in the twenty-ninth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Christopher Easby, Her special licence that I, the said Christopher Easby, my executors, administrators, and assigns, or such others as I, the said Christopher Easby, my executors, administrators, and assigns, should 20 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 "**AN IMPROVED TRUSS,**" upon the condition (amongst others) that I, the said 25 Christopher Easby, 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 performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and 30 immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said Christopher Easby, 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:—

I use an ordinary steel spring waistband, but instead of affixing the pad 35

Easby's Improved Truss.

directly thereto I mount it upon a short arm, one end of which is circular, and passed through a collar at the top of the pad, and the other flat for being secured to either end of the waistband. The collar at the top or back of the pad allows it to slide along the pin or circular part of the arm, upon which it
 5 can be adjusted longitudinally, and fixed by a set screw at the top of the collar as required. This mode of mounting the pad also allows it to turn upon the pin so that it can be adjusted at a greater or less angle with the band vertically, and fixed in position by a second set screw. The flat part of the arm has two perforations, one circular and the other in the form of a segmental
 10 slot, through each of which a screw is inserted for securing the arm to the waistband; the arm radiates upon one of the screws, and is fixed in position by tightening the other which passes through the segmental slot; by this means the pad has a third or radial vertical adjustment.

EXPLANATION OF THE DRAWING.

15 The accompanying Drawing shews the form of the radial arm and mode of mounting the pads thereon.

Fig. 1 represents one of my improved trusses formed with the radiating arm having an oscillating pad mounted thereon (half size); the remaining illustrations are full sized. Fig. 2 shews the mode of mounting and fixing a pad
 20 of the ordinary form; Fig. 3 is a vertical section taken through the centre of the pad, Fig. 2, and shews the internal metal eye; Fig. 4 shews the mode of fitting the radial arm to the waistband and different positions in which it can be set; Fig. 5 is a view of the back of the oscillating pad, and shews the mode of fitting the metal eye thereto; Fig. 6, a side view of the latter.
 25 Figs. 7, 8, and 9 respectively illustrate the vertical and inclined positions (more or less) to which the oscillating pad can be set.

a is the radial arm, flat at one end and circular at the other; *b*, the centre stud or screw upon which the arm radiates vertically. This arm may be made in a cranked or curved form, as well as straight, if desired. *c*, a slot
 30 in the flat end of the arm; *d*, the fixing stud or screw; *e*, the metal eyes of the pad; *f*, *g*, set screws for fixing the pad in position. The radial arms can be fitted to either end of the band, and thus the pad be changed from right to left, and vice versa, or both ends may be fitted therewith. The step *e* is secured to the band by two screws which are set to the same gauge as those
 35 by which the radial arm is fixed, so that one can take the place of the other when changing the pad.

I wish it to be understood that I do not restrict myself to the exact size and form of the arm and pads respectively shewn upon the Drawing.

Easby's Improved Truss.

I claim the radial arm and radiating and oscillating pads adjustable thereon.

In witness whereof, I, the said Christopher Easby, have hereunto set my hand and seal, this Twelfth day of June, in the year of our Lord One thousand eight hundred and sixty-six.

5

CHRISTOPHER EASBY. (L.S.)

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1866.

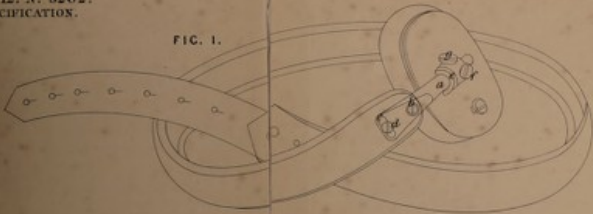


FIG. 1.

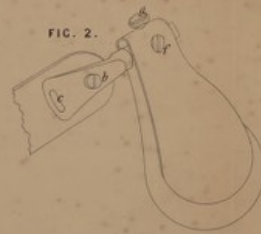


FIG. 2.



FIG. 3.

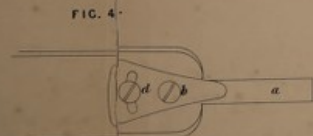


FIG. 4.

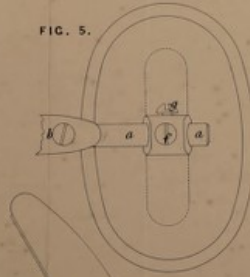


FIG. 5.



FIG. 6.



FIG. 7.



FIG. 8.



FIG. 9.

The filed drawing is not colored.

Drawn on Stone by Melby & Sons.

