

Specification of John Fitkin, William Fitkin, and Joseph Barton : truss.

Contributors

Fitkin, John.
Fitkin, William.
Barton, Joseph.

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A.D. 1816 N° 3997.

SPECIFICATION

OF

JOHN FITKIN, WILLIAM FITKIN,
AND JOSEPH BARTON.

—
TRUSS.
—

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

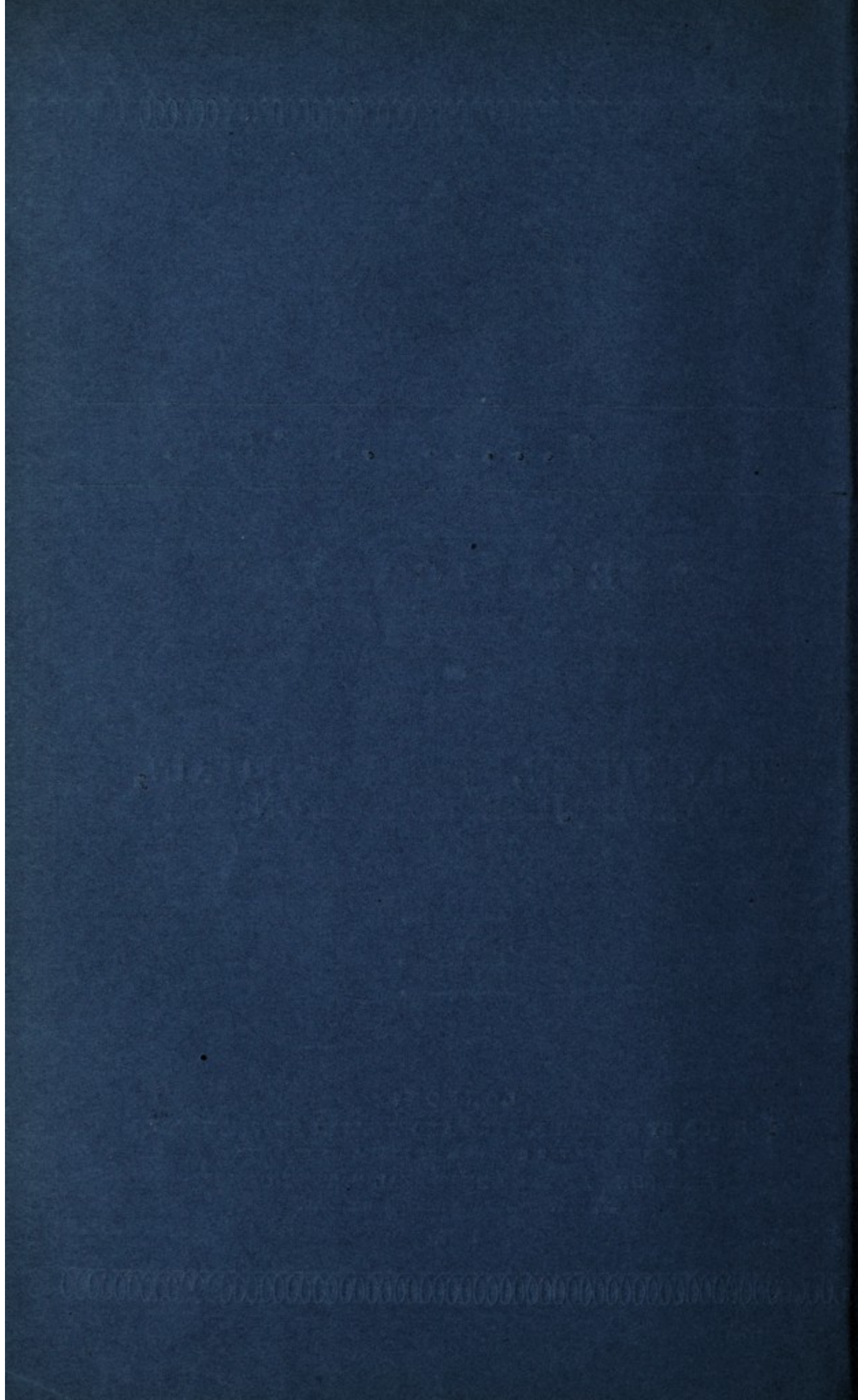
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A.D. 1816 N° 3997.

Truss.

J. & W. FITKIN AND BARTON'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, JOHN FITKIN, of No. 60, Old Street Road, in the Parish of Shoreditch, in the County of Middlesex, Truss Maker, sendeth greeting.

WHEREAS His present Majesty King George the Third, in and by
5 His Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Fourteenth day of March last, for Himself, His heirs and successors, did give and grant unto the said John Fitkin, and also unto William Fitkin and Joseph Barton, His especial licence, full power, sole privilege and authority, that they, the said John Fitkin, William Fitkin, and
10 Joseph Barton, their executors, administrators, and assigns, and every of them, by themselves, or by their deputy or deputies, servants or agents, or such others as they, the said John Fitkin, William Fitkin, and Joseph Barton, their executors, administrators, or assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term of
15 years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-Tweed, their Invention of "A NEW TRUSS;" in which said Letters Patent there is contained a proviso, obliging them, the said John Fitkin, William Fitkin, and Joseph Barton, or one of them, by an instrument in writing under their hands and
20 seals, or the hand and seal of one of them, particularly to describe and ascertain the nature of their said Invention, and in what manner the same was to be

J. & W. Fitkin and Barton's Improvements in the Manufacture of Trusses.

performed, and to cause the same to be inrolled in His Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said recited Letters Patent.

NOW KNOW YE, that in compliance with the said proviso, the said John Fitkin doth hereby declare that the nature of their said Invention is 5 fully described in the following Specification and by the Drawing hereunto annexed, that is to say:—

The new truss will be found to remove the inconveniences generally complained of in the usual mode of making trusses, and allow the patient an opportunity of adjusting the pad to his feelings, and, therefore, removes any 10 unpleasant pressure occasioned by the pad in any particular part. The adjustment of the pad consists in its being capable of any inclination, so as to occasion a greater or less pressure on any particular part of its surface where such pressure may be required, or where the pressure may be found to be troublesome, which the patient will easily ascertain by his feelings. This is to 15 be effected with the greatest ease by the wearer himself, and is done by slackening the screw, (A, Fig. 9,) which will leave the pad in a loose state, so as to be capable of being adjusted to any required direction, causing a greater or less prominence in any part thereof, so that the plate (P, P, Fig. 9), which is represented nearly perpendicular, will admit of being shifted to the direction 20 of the dotted line (O, O,) more or less, as occasion requires, and the same variation of position may be made in every direction, and will be perfectly secured in such direction by fastening the screw A. The springs of the double truss are adjusted by loosening the screw and drawing the springs out, or pushing them further in, to any required extent. 25

For a description of the truss we refer to the Drawing. Fig. 1, a piece of iron, brass, or other suitable metal, attached to the spring by means of rivets (D) for the reception of the pad and its appendages; the body (A) continued in the same course as the spring; the head (B) arising a little higher than the body (A), having in it a hole (C) for the reception of the screw (Fig. 2). 30

Fig. 2, a screw.

Fig. 3, a half ball, made of iron, brass, or other suitable metal, having a hole through it (A) for the reception of the screw (Fig. 2.)

Fig. 4, a socket made of iron, brass, or other suitable metal, made hollow on one side (A) to fit the circle of the half ball (Fig. 3); the other side flat, and 35 a hole in the middle (B) for the reception of the screw (Fig. 2.)

Fig. 5, another socket, made similar to (Fig. 4.)

Fig. 6, a half ball, the same form as (Fig. 3), the hole in the middle tap'd for the reception of the end of the screw (Fig. 2.)

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Fig. 7, a plate of iron, tin, or other suitable metal to form the pad, having a hole in it (A) for the reception of the screw (Fig. 2.) On the centre of this plate is a bridge (B) made of the same metal, leaving a hollow place for the reception of the half ball and socket (Fig. 5 and 6), also a groove in the top (C) for the reception of a pin (D). The bridge is attached to the plate by means of rivets (E), and there are four points (F) which are adapted to fix the plate to the piece of cork described in the next Figure.

Fig. 8, a piece of cork, or other suitable substance, made to fit and be attached to the plate (Fig. 7), having a circular hollow place (A) cut in the middle for the reception of the bridge (B, Fig. 7,) and its contents.

Fig. 9, an edge or side view of all the foregoing Figures, connected together by the screw (A, Fig. 2), which is left sufficiently loose to shew the half balls (B and C) out of their sockets (E). But when screwed tight these half balls sink into the sockets (E) as far as the circular dotted lines (D). The cork (F, Fig. 8,) attached to the plate (G, Fig. 7,) by means of points (F). The piece of brass, as described (Fig. 1), is represented by (K), the head of which forms an obtuse angle with its body; and on the inner side of the angle is a hollow place (L) forming a recess to admit the projection of (C and E), part of the steel spring (M) attached to (K) by rivets (N).

Fig. 10, a front view of the pad and its appendages, attached to a single truss spring.

Fig. 11, a double truss spring, with pads attached to the front, giving an inside view of the pads and an outside view of the back, with the manner of adjusting it. A plate of iron, tin, or other suitable metal (A) having two loops (B), attached to (A) by rivets (C), the end of the spring (D) passing under the loop (B), the end of the spring (E) passing under the other loop (B), and also under the end of the other spring (D). Grooves (F) seen near the ends of the springs (D and E); a screw (G) passing through the grooves (F), to be screwed into the plate (A), fixing the springs (D and E) when adjusted to a proper extent.

In witness whereof, the said John Fitkin hath hereunto set his hand and seal, this Fourteenth day of September, One thousand eight hundred and sixteen.

JOHN (L.S.) FITKIN.

Signed, sealed, and delivered in the presence of

WILL. ALLWAY.

*J. & W. Fitkin and Barton's Improvements in the Manufacture of Trusses.*J^A, STEPHEN.

AND BE IT REMEMBERED, that on the same Fourteenth day of September, in the year above mentioned, the aforesaid John Fitkin came before our Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and everything therein contained, in form above written. And also the Specification aforesaid was stamped according to the tenor of 5 the Statute in that case made and provided.

Inrolled the same Fourteenth day of September, in the year above written.

LONDON:

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Printers to the Queen's most Excellent Majesty. 1856.

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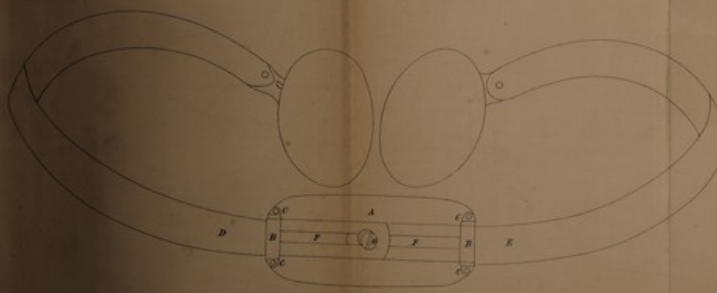


FIG. 11

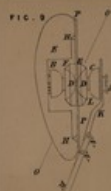


FIG. 6



FIG. 7



FIG. 8



FIG. 9



FIG. 10



FIG. 11



FIG. 12

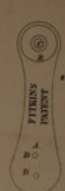


FIG. 13



FIG. 14

(J. SMOOK)

The essential drawing is referred

to the original drawing in the original

drawn on June 10, 1898, by J. S. SMOOK

