

Specification of Henry John Porter : trusses.

Contributors

Porter, Henry John.

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A.D. 1874, 28th August. N° 2947.

SPECIFICATION

OF

HENRY JOHN PORTER.

—
TRUSSES.
—

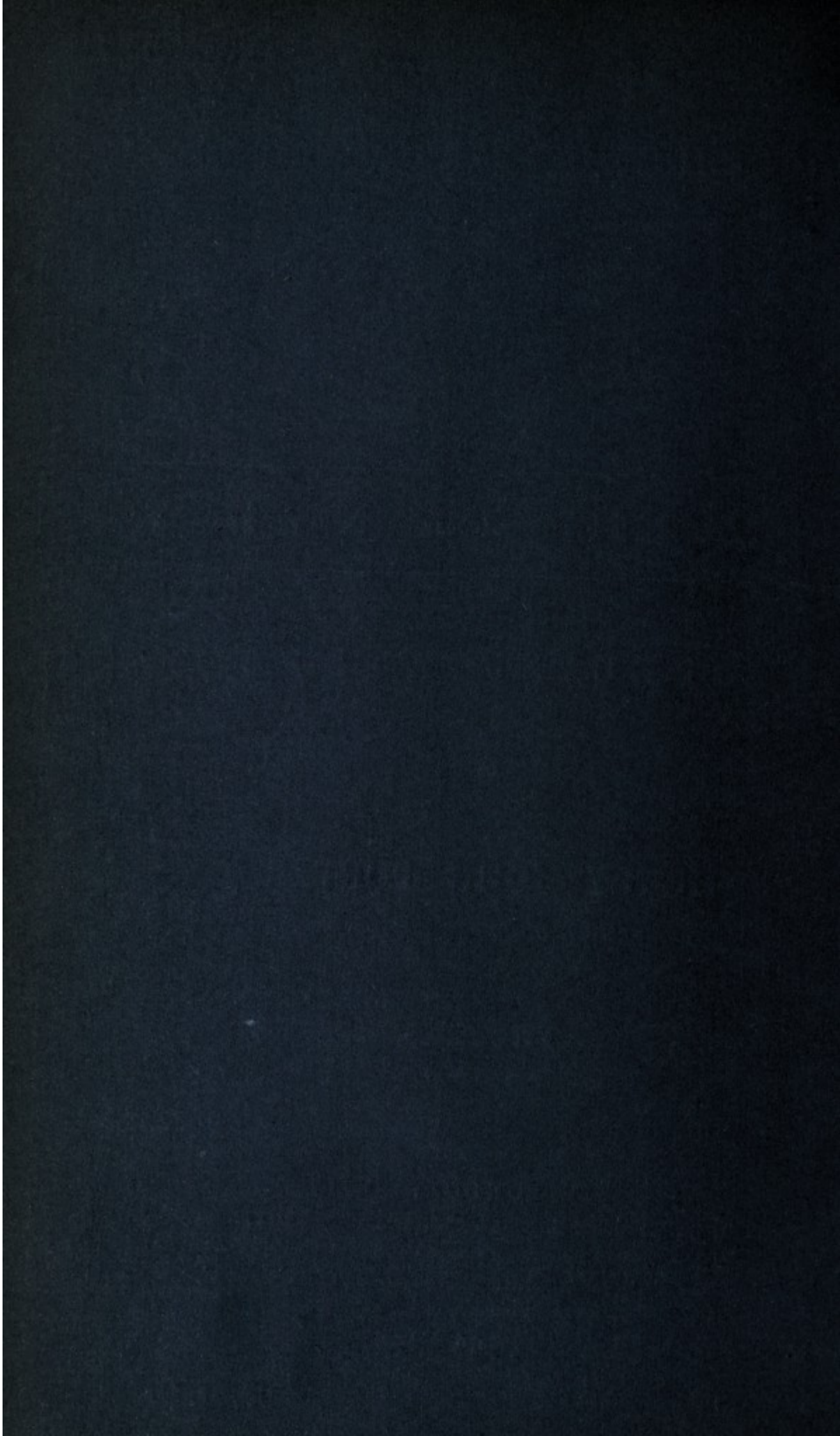
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A.D. 1874, 28th AUGUST. N° 2947.

Trusses.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Henry John Porter at the Office of the Commissioners of Patents, with his Petition, on the 28th August 1874.

I, HENRY JOHN PORTER, of Gray's Inn Road, in the County of Middlesex, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN AND IN CONNECTION WITH TRUSSES," to be as follows:—

The first part of my improvements in trusses refers to an arrangement for securing and adjusting the position of the truss or truss pad on the wearer.

- 10 I provide two plates, one secured to or imbedded in the truss pad, and the other hinged or jointed to the same. The truss arm carries another arm or projection at or at about right angles to its outer end, having a ball or stud at its extremity, the said stud fitting into an aperture or socket of corresponding size in the fixed plate. The arm or projection
- 15 on truss arm passes through an aperture in movable or hinged arm. A screw is passed through aperture in movable plate and takes into a corresponding aperture in fixed plate, so that after arranging the position of truss pad, the screw in movable plate is screwed down into

Porter's Improvements in Trusses.

thread on fixed plate, until the ball or stud is jammed up in its socket and securely held there; or if desired the screw may be left loose so that the pad may move about loosely as in some trusses as now made. The position of the truss pad can be adjusted to the greatest nicety, because of the facility with which the position of the arm can be regulated 5 before the movable plate is secured by its screw. Or in some cases a similar result may be obtained by connecting the ordinary spring which is placed between the pad plate and the truss arm to its disc at an angle on the spring, so that the pad may be turned into any required position and at such angle as may be required; when the desired angle is 10 obtained the disc and consequently the pad is retained in position by screw as before.

My Invention further consists in the employment of a movable tube or covering for the metal band of trusses which surrounds the body. This covering may consist of a vulcanized tube of india-rubber, wool, or 15 other fabric. The object of its being made tubular is that the tube is free to move about with every motion or movement of the body, while the metal band remains stationary. I am aware that coverings are not new, but it is new to employ a movable tubular covering as and for the purposes described. 20

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