

NEGATIVE COPY



A.D. 1852 N° 707.

Metal Tubes.

(This Invention did not proceed to the Great Seal.)

COMPLETE SPECIFICATION filed by Richard Prosser at the Office of the Commissioners of Patents, with his Petition and Declaration, on the 11th November 1852, pursuant to the 9th section of the Patent Law Amendment Act, 1852.

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TO ALL TO WHOM THESE PRESENTS SHALL COME, I, RICHARD PROSSER, Civil Engineer, 18, Broad Street, Birmingham, in the County of Warwick, do hereby declare the nature of my said Invention for "**IMPROVEMENTS IN MAKING OF METAL TUBES,**" and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement (that is to say):—

My Improvements consist in casting or otherwise preparing a piece of metal, from which a tube is to be made, of a square form in its cross section, but with the four corners rounded off a little. A similarly formed hole must be left up the centre of the piece of metal, by the insertion of a core or otherwise.

The hollow piece of metal (having a square mandril with rounded corners inside it) is to be rolled between rolls similar to those used in iron works for rolling square bars of iron, or drawn until the

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Prosser's Improvements in the Manufacture of Metal Tubes.

piece of metal has attained the length and thickness required; rolling or drawing hot or cold, depending on the nature of the metal to be made into tubes. The tube being of the length required, still retaining a square form with each corner rounded off, is now passed on to or over a circular mandril, and rolled or drawn 5 into a circular tube. The object of the square form is to expose alternately each rounded corner of the square and its adjacent sides to the action of the top and bottom rolls, and thereby avoid the cracking of the outside edges of the metal; a cross section of an exagonal or other symmetrical form might be used for the hollow 10 piece of metal to be made into a tube; but I prefer the square form with the corners rounded off as above described, and which I claim as my improvement in manufacturing or making of metal tubes.

In witness whereof, I, the said Richard Prosser, have hereunto set my hand and seal, this Tenth day of November, One 15 thousand eight hundred and fifty-two.

RICHARD PROSSER. (L.S.)

Taken and acknowledged at Birmingham,
in the County of Warwick, by the said
Richard Prosser, this Tenth day of
November 1852.

Before me,

THO^s. SLANEY,

A Master Extraordinary in Chancery.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.