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A.D. 1852 . . . . . N° 708.

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**Rolling Metals.**

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*(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, of No. 18, Broad Street, Birmingham, in the County of Warwick, Civil Engineer, do hereby declare the nature of my said Invention for "**IMPROVEMENTS IN ROLLING OF METALS,**" 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 relate to rolling metal of a wedge form (that is, of different thicknesses at each end), and also to rolling metal of different thicknesses at each edge, the width being parallel. The ingots of metal to be rolled must be cast, forged, or otherwise prepared of a wedge like form. The difference between the thickness of each end or each edge of each ingot must vary according to the required difference between the thickness of each end or each edge of each sheet of rolled metal when finished.

Two wedge formed pieces or ingots of metal must be rolled together, the one being superincumbent upon or placed directly

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*Prosser's Improvements in Rolling Metals.*


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on and over the other, with the thick end of one wedge formed ingot over the thin end of the other wedge formed ingot, thus,—



The two wedge formed pieces placed as above must be rolled together, as one piece, in the ordinary manner of rolling. If both surfaces of each sheet of metal are required to be smooth, the surfaces in contact with each other must be separated after each rolling, and those surfaces reversed, so as to bring them in contact with the surfaces of the rolls at the next passage through them. 5

Metal thus rolled will be found to vary in thickness at each end or each side, depending on the manner in which each pair of ingots have been presented to the rolls. If the thick and thin parts of the wedges form the sides of the ingots, the metal will vary in thickness at the edges. If the thick and thin part of the wedges form the ends of the ingots, then the metal when rolled will vary in thickness at each end. 10

I claim rolling of metals of a wedge form by the methods described in this my Specification. 15

In witness whereof, I, the said Richard Prosser, have hereunto set my hand and seal, this Tenth day of November, One thousand eight hundred and fifty-two. 20

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, 25

THO<sup>s</sup>. SLANBY,

A Master Extraordinary in Chancery.

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