

A.D. 1831 N° 6132.

**Manufacture of Nails or Tacks for Ornamenting
Boxes, &c.**

PROSSER'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, RICHARD PROSSER, of Birmingham, in the County of Warwick, Civil Engineer, send greeting.

WHEREAS His present most Excellent Majesty King William the Fourth,
 5 by His Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Thirteenth day of July, in the second year of His reign, did, for Himself, His heirs and successors, give and grant unto me, the said Richard Prosser, His special licence, sole privilege and authority, that I, the said Richard Prosser, my executors, administrators, and assigns, or such others
 10 as I, the said Richard Prosser, my executors, administrators, or assigns, should at any time agree with, and no others, from time to time and at all times during the term of years therein mentioned, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-Tweed, my Invention of "CERTAIN IMPROVEMENTS IN MANUFACTURING
 15 NAILS OR TACKS FOR ORNAMENTING BOXES AND ARTICLES OF FURNITURE;" in which said Letters Patent is contained a proviso that I, the said Richard Prosser, shall cause a particular description of the nature of my said Invention, and in what manner the same is to be performed, to be inrolled in His

Prosser's Improvements in Manufacturing Nails or Tacks, &c.

Majesty's High Court of Chancery within two calendar months next and immediately after the date of the said in part recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.

NOW KNOW YE, that in compliance with the said proviso, I, the said 5 Richard Prosser, do hereby declare that the nature of my said Invention, and in what manner the same is to be performed, is particularly described and ascertained by the following description thereof (reference being had to the Drawing hereunto annexed, and to the figures and letters marked thereon), that is to say:—

My improvements in manufacturing nails or tacks for ornamenting boxes and articles of furniture consist in constructing or making the said nails or tacks by combining or uniting several pieces of metal without employing solder or other fusible compound, which improvement I effect in the following manner:—The shank or stem of the nail or tack which is intended to pene- 15 trate or enter the wood or other substance to which the nail or tack is to be affixed is made or formed separately from the head or upper surface of the nail or tack, and that part of the nail or tack which constitutes the back or underpart of the head of the nail or tack is also formed separately and distinct from the head or the shank. These several parts, when properly made, are 20 put together, and by pressure united, so as to form a complete nail or tack, as shewn in the accompanying Drawings at Figs. 1 and 2. All the other Figures represent the separate parts of the nail or tack in different positions. In forming the shank or stem *a* of the nail or tack shewn at Fig. 3, I employ iron or other metal which may be sufficiently stiff to allow of the operation 25 of driving. This shank may be made from wire cut off pointed, and the knobbed part at top formed in a machine, or it may be made from metal by the hand, as may be found most desirable. The head or upper surface *b, b*, of the tack or nail I form out of rolled sheet metal of any description applicable to the purpose by first cutting out a disc of suitable diameter, and then pressing 30 that disc first into the cup form, shewn edgewise at Fig. 4, and the same in section at Fig. 5, and as seen on the concave or under side at Fig. 6. I then by further pressure bend inwards, that is towards the concave, the edges of the said cup, as shewn by the representation of the under side at Fig. 7, and edgewise at Fig. 8. In preparing that portion of the nail or tack which 35 is to constitute the back or under part of the head *c*, I in like manner cut a disc of suitable diameter of thin sheet tinned iron or other metal, and press it into the dish shape, as shown at Fig. 9; that is, I form the disc concave

A.D. 1831.—N^o 6132.^o

3

Prosser's Improvements in Manufacturing Nails or Tacks, &c.

near its periphery, and convex or rising in the middle, with a hole through the centre, as shewn.

I do not claim any particular apparatus for or method of forming the said discs into a cup and a dish as described, but employ any of the apparatus or
5 means at present in use for effecting such forms from sheet metal. When the stem or shank *a*; the head or face *b*, and the back or under part *c*, are prepared in the way described, I combine them by first introducing the shaft of the stem *a* into the central hole of the disc *c*, which it is prevented from passing through by the knob or enlargement at its upper end, and then place the
10 head or cup *b* over the boss or knob of the shank and over the dish, as shewn in the sectional Figure 10. I then, by means of a suitable press, with a matrix and punch, apply force against the under surface of the dish *c* and the upper surface of the head *b*, by which pressure I bring the parts into close contact, as shewn at Fig. 10, and close in the edge of the cup *b* upon the
15 dish *c*, so as to cause it to embrace the edge of the dish, and thereby to fix the three parts firmly and securely together, which constitutes my improvement in the manufacture of nails or tacks. The construction of nails or tacks above described may be varied, when the top end or knob of the shank or stem can be conveniently spread out as large as the head of the nail or tack,
20 for in that case the dish or part *c* at the back or under part of the head may be dispensed with, by bending in or turning under the edge of the face or top piece *b* as above described, and causing it to embrace the enlarged knob or head of the shank.

Lastly, let it be observed, that the separate parts which, when combined in
25 the manner above described, constitute my improvements in manufacturing nails or tacks for ornamenting boxes and articles of furniture, may be made of various sizes, according to the intended size of the nail or tack, and they may be prepared by any of the known ordinary means at present in use for cutting and pressing metal, none of which form any part of my Invention. But I
30 claim as my Invention the combination of parts in the manner described to constitute a nail or tack for ornamenting boxes or articles of furniture, and which I believe to be entirely new, and never before to have been practised by any other person whomsoever.

In witness whereof, I, the said Richard Prosser, have hereunto set my
hand and seal, this Twelfth day of September, in the year of our
35 Lord One thousand eight hundred and thirty-one.

RICHARD (L.S.) PROSSER.

Prosser's Improvements in Manufacturing Nails or Tacks, &c.

PAGES, Extra,

AND BE IT REMEMBERED, that on the Twelfth day of September, in the second year of the reign of His Majesty King William the Fourth, the said Richard Prosser came before our said Lord the King in His Chancery, and acknowledged the Instrument aforesaid, and all and every thing therein contained and specified, in form above written. And also the Instrument 5 aforesaid was stamped according to the tenor of the Statute made in the fifty-fifth year of the reign of His late Majesty King George the Third.

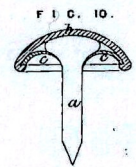
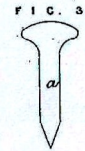
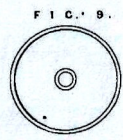
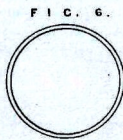
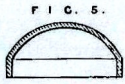
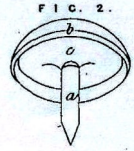
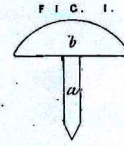
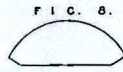
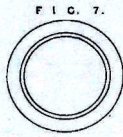
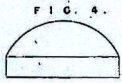
Inrolled the Thirteenth day of September, One thousand eight hundred and thirty-one.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1857.

A. D. 1831, JULY 13, N^o 6132.
PROSSER'S SPECIFICATION.

(1 SHEET.)



The enrolled drawing is colored.

Drawn on Stone by Millly & Sons.

LONDON: Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE