

(No Model.)

C. F. THAYER & J. LOWE.

PROCESS OF MAKING NAILS.

No. 318,830.

Patented May 26, 1885.

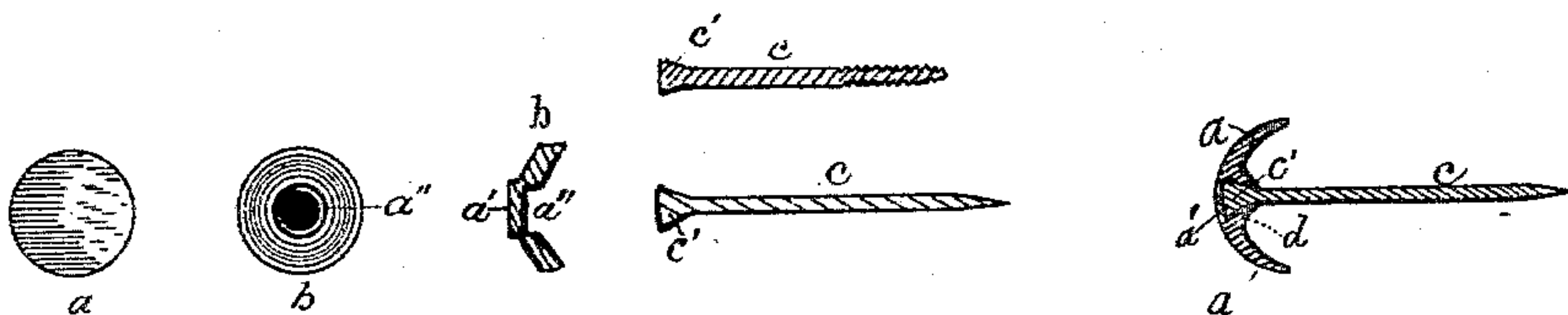


Fig. 1.

Fig. 2

Fig. 3.

Fig. 4.

Witnesses

A. B. Barringer
E. J. Todd

Inventors

Charles F. Thayer

John Lowe

Per *W. P. Bell*

Atty.

UNITED STATES PATENT OFFICE.

CHARLES F. THAYER AND JOHN LOWE, OF PROVIDENCE, RHODE ISLAND,
ASSIGNORS TO THE RHODE ISLAND METAL COMPANY, OF SAME PLACE.

PROCESS OF MAKING NAILS.

SPECIFICATION forming part of Letters Patent No. 318,830, dated May 26, 1885.

Application filed December 3, 1884. (No model.)

To all whom it may concern:

Be it known that we, CHARLES F. THAYER and JOHN LOWE, citizens of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Processes of Making Plain or Ornamental Nails; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved process for fastening plain and ornamental metallic or composition heads on the shanks of nails, tacks, brads, or screws, &c., all of which will be hereinafter more fully described, and pointed out in the claim.

In the accompanying drawings, forming part of this specification, Figure 1 is a metallic disk-blank. Fig. 2 is an under side view of the blank after it has been partially pierced through. Fig. 3 is a section of Fig. 2, showing the blank and recess; also a nail and screw shank having one end swelled to correspond in size with the diameter of the recess. Fig. 4 is a section of the finished article.

a is a disk, of any metal or composition of which the head of the nail or screw is to be formed, and which can be cut by any suitable machine. *b* shows the under side of the disk after it has been passed through a punching

or drilling machine, and thereby has been formed into a cup or flat blank having in the under side a recess, *a''*, with a bottom film, *a'*, of the metal. The punching-machine will give the shape shown in Fig. 2 by compression. The shank *c* either of nail or screw has one end swelled out to enter the recess *a''*. The swelled end *c'* of the shank *c* is placed in the recess *a''*, and they are then, by pressure or blows, drawn around the nail, thereby securing the nail, also drawing the head to its proper shape, size, and thickness, as shown in Fig. 4 at *d*, and likewise downward to securely brace the shank *c* in a true axial line to the plane of the head *b*.

We claim—

The within-described process for securing heads to nails, tacks, brads, and screws, by forming blank disks into saucer or flat shaped heads having a recess in one side thereof, which recess is placed over the swelled end of a nail or screw blank and the metal of the head stamped, pressed, or swaged around the swelled end, substantially as and for the purpose described.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES F. THAYER.
JOHN LOWE.

Witnesses:

D. A. PEIRCE,
MARSDEN J. PERRY.