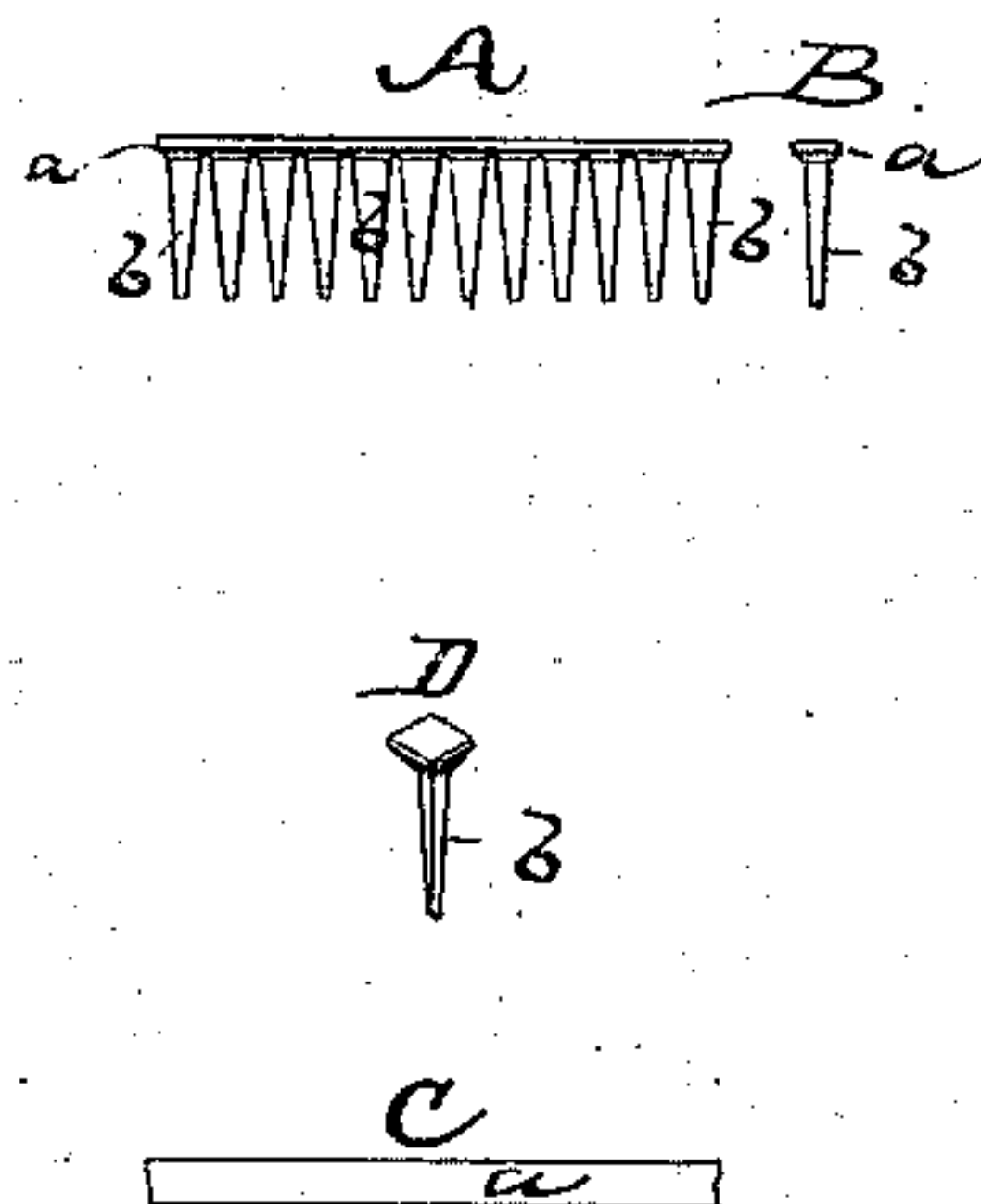


W. E. FISCHER.
Lasting Nail-Blanks.

No. 152,735.

Patented July 7, 1874.



Witnesses.
M. W. Frothingham.
L. M. Latimer.

Inventor
William E. Fischer.
By his Atty.
Cross & Gould

UNITED STATES PATENT OFFICE.

WILLIAM E. FISCHER, OF BOSTON, ASSIGNOR TO CHARLES H. TRASK, OF
LYNN, MASSACHUSETTS.

IMPROVEMENT IN LASTING-NAIL BLANKS.

Specification forming part of Letters Patent No. **152,735**, dated July 7, 1874; application filed
August 4, 1873.

To all whom it may concern:

Be it known that I, WILLIAM E. FISCHER, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Lasting-Nail Blank; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

My present invention is an improvement upon the flangeless nail-blank shown and described in my patent of June 1, 1869, No. 90,650, reissued July 1, 1873.

My invention relates to the construction of a nail-blank from which, in a suitable machine for driving the nails, flat-headed nails or tacks may be cut one after another in regular succession from the end of the blank; the particular object being to produce a blank for use with a device for lasting boots and shoes, and in which, by the same action of the mechanism that drives the nail, the nail to be driven is severed from the blank.

In my invention I roll a plate so that in cross-section it is of T shape, having a flat, straight, undivided head or flange, and a toothed shank-forming web, the teeth being comb-like, very acute-angled, and joined at, and only at, their heads, and by the flat or flat-topped head-forming piece, from which the teeth are integral projections, a nail being formed from the blank by separation of its head. The invention consists in this peculiar blank.

The drawing represents a blank embodying my invention, and a nail cut therefrom.

A shows the blank in front view. B is an end view of it. C is a top view of it. D shows the severed nail.

a denotes the head or head-piece, from which extend the shanks *b*, each shank being preferably a quadrangular pyramid, square in section, and the head being in cross-section flat on its top, thin-edged at its opposite sides, and joined to the shank or tooth piece by inclined faces.

In using the blank for lasting or nailing, I sever each head at the line of the angle between the two outer teeth, the head of the severed nail being square or rectangular in section. It is requisite that the nails should possess flat heads, and I obtain such heads by rolling the plate so that the outer face of each edge portion is straight and flat.

With a nail-blank formed in accordance with my invention, I can last or cut and drive lasting-nails very rapidly, and very greatly reduce the cost of lasting-nails.

I claim—

The blank for lasting-nails, having the flanged head-forming portion *a*, from which project the shanks *b*, substantially as shown and described.

Executed this 12th day of June, A. D. 1873.

WM. E. FISCHER.

Witnesses:

FRANCIS GOULD,
M. W. FROTHINGHAM.