

L. R. BLAKE & G. MCKAY.

Shoe-Nail Blank.

No. 159,015.

Patented Jan. 26, 1875.

Fig. 2.

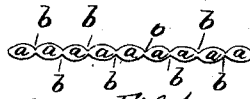


Fig. 1.

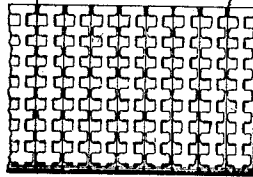


Fig. 4.



Fig. 3.

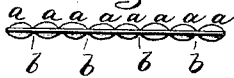
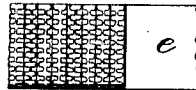


Fig. 5.



Witnesses.
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UNITED STATES PATENT OFFICE.

LYMAN R. BLAKE, OF BROOKLYN, NEW YORK, AND GORDON MCKAY, OF
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IMPROVEMENT IN SHOE-NAIL BLANKS.

Specification forming part of Letters Patent No. 159,015, dated January 26, 1875; application filed
March 11, 1874.

To all whom it may concern:

Be it known that we, LYMAN R. BLAKE, of Brooklyn, in the county of Kings and State of New York, and GORDON MCKAY, of Cambridge, Middlesex county, Massachusetts, have invented an Improved Shoe-Nail Blank; and we do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of our invention sufficient to enable those skilled in the art to practice it.

Our invention relates to the formation of a metal nail-plate blank, for use in machines for nailing soles to uppers of boots and shoes. Such blank we make from a plain flat strip of metal having a width equal to the maximum length of nails to be formed from it, and this plate, beveled upon one edge, we form with divisions, spaced in accordance with the width each nail is to have, making such divisions preferably by two blunt-edged chisels or grippers acting against opposite surfaces of the plate. The action of these grippers is made to almost separate each nail, leaving adjacent nails united by a slight web, and so that each nail may be very easily separated from the rest of the blank. The grippers are preferably formed with teeth or serrations, that bring up or form slight projections upon the surfaces of the nails.

The invention consists in a nail-blank thus formed from a plate, or a metal plate having nail-blanks joined by thin webs of the metal.

The drawing represents a blank embodying our invention.

Figure 1 shows the same in face view. Fig. 2 is a view of one edge; Fig. 3, a view of the opposite edge. Fig. 4 is an end view of it. These four figures show the plate enlarged. Fig. 5 shows a portion of the plate of regular size.

a a denote the nails, joined by the web portions *b*. *c* denotes a part of the plate not treated to form the nail-blank. The nails, in cross-section, are of the form seen at Fig. 2, and, the edge of the plate being beveled, the point of each nail cut therefrom will be beveled, and is also preferably flattened, as seen in the drawing.

The nail-blank thus made may be formed into a ribbon of indefinite length, to be used for the continuous supply of nails to a machine for uniting shoe-soles to shoe-uppers.

We claim—

A metal nail-plate having one edge beveled, and having a series of nail-blanks joined by the lateral or transverse connecting-webs, substantially as shown and described.

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Witnesses:

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