

W. W. LEWIS.
Bars for Horseshoe Blanks.

No. 153,443.

Patented July 28, 1874.

Fig. 1.

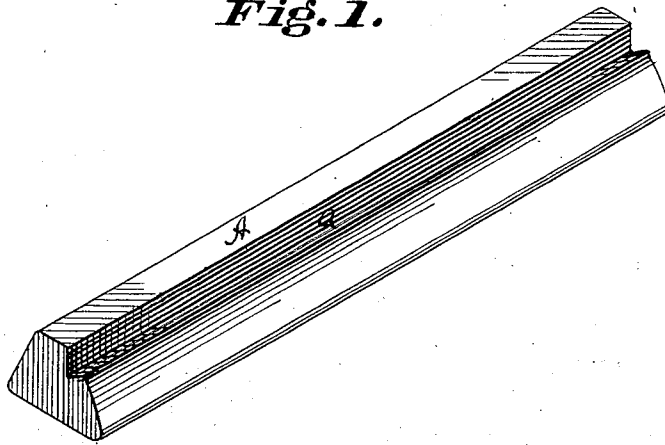


Fig. 2.



Attest.

John E. Hales
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Inventor.

Wm W Lewis

UNITED STATES PATENT OFFICE.

WILLIAM W. LEWIS, OF CINCINNATI, OHIO.

IMPROVEMENT IN BARS FOR HORSESHOE-BLANKS.

Specification forming part of Letters Patent No. **153,443**, dated July 28, 1874; application filed June 22, 1874.

CASE B.

To all whom it may concern:

Be it known that I, WILLIAM W. LEWIS, of Cincinnati, Hamilton county, Ohio, have invented certain Improvements in Bars for Horseshoe-Blanks, of which the following is a specification:

My invention relates to a crease in bars for horseshoe-blanks, and is an improvement upon an invention with the same title for which I have completed my specification, preparatory to applying for Letters Patent. It consists in forming the crease with an inwardly-beveled bottom, so as to give the creasing tool or roll, that is afterward to form the deep nail-crease, a draw, thereby keeping it in the proper line, and preventing it from going out of its course.

In the drawings, Figure 1 is an elevation of a bar for horseshoe-blanks, showing my invention. Fig. 2 is a cross-section of the same, showing the inward bevel of the bottom of the crease.

A represents the bar, and *a* the guiding-crease, the bottom of which is beveled toward the center of the bar.

In rolling horseshoe-blanks to form the deep nail-crease by means of the roll, it is difficult,

in practice, to keep the iron in the exact line so as to make the nail-crease in the proper place, especially when the guiding-crease is a right angle, or an obtuse angle. I obviate this by giving the guiding-crease, when the iron is rolled, a beveled bottom, so as to make the angle about eighty degrees, instead of ninety degrees. Thus, when the bars are afterward rolled for the nail-crease, there is a draw or bite given to the creasing-roll, which keeps the iron in position, and greatly facilitates the work; also, when the bars are worked up by hand, the beveled crease furnishes a draw to the creasing-tool of the smith.

The bottom of the line or crease might be fluted, so as to accomplish nearly the same effect, though not as advantageously.

I claim—

In a bar for horseshoe-blanks, the guiding-crease *a*, when made with the bottom beveled inward and downward, substantially as and for the purposes described.

WM. W. LEWIS.

Attest:

JOHN E. HOLET,
JEREMIAH F. TWOHIG.