

J. W. SHANNON.
 Manufacture of Staple-Blanks.

No. 159,044.

Patented Jan. 26, 1875.

Fig. 1.

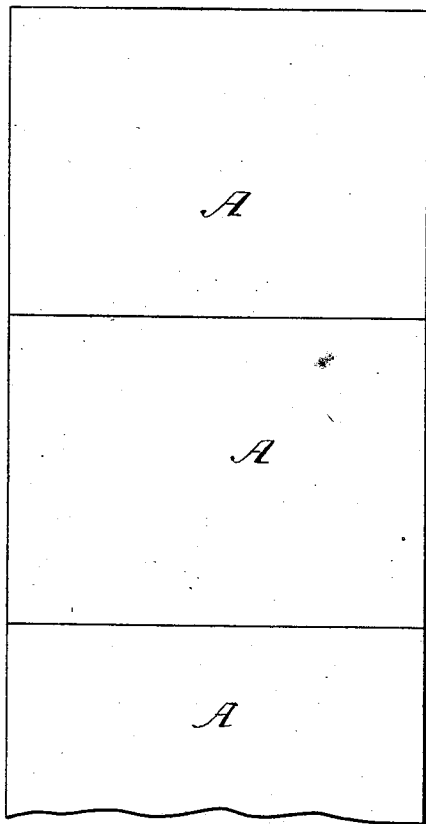


Fig. 2.



Fig. 3.

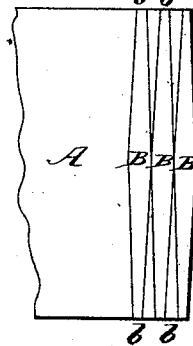


Fig. 4.

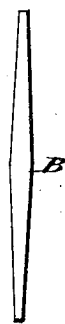


Fig. 5.



Witnesses.
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JOHN W. SHANNON, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN THE MANUFACTURE OF STAPLE-BLANKS.

Specification forming part of Letters Patent No. **159,044**, dated January 26, 1875; application filed January 30, 1874.

To all whom it may concern:

Be it known that I, JOHN W. SHANNON, of Erie, in the county of Erie and State of Pennsylvania, have invented an Improved Staple-Blank, of which the following is a specification:

My invention consists in cutting, from bars fashioned for the purpose, blanks having such a contour that, when properly bent, a perfectly-pointed staple shall be formed. My invention relates as well to the bars from which the blanks are cut as to the blanks themselves.

My invention is shown in the accompanying drawing, as follows: Figure 1 is the sheet from which the bars are cut. Fig. 2 is a section view of the same. Fig. 3 is a view of the bar when cut from the sheet, and also shows the manner of cutting the blanks. Fig. 4 shows the blank when cut, and Fig. 5 the blank when bent into a staple.

The bars from which the blanks are cut are either rolled out in sheets, as seen in Fig. 1, or are rolled out separately. They are convex on one side and plain on the other. Their convexity is to give the necessary contour to the blank. When the bars are thus prepared

they are passed to the cutter, where the blanks B are cut from the bars A. The process of cutting the blanks is like that of cutting cut-nails. As the blanks are of the form shown, it is impossible to cut them without waste pieces *b b*. (See Fig. 3.) The form given to the blank by the cutting is fully shown in Figs. 3 and 4, and is that of a double-pointed headless nail. When the blank is bent, the flat surface forms the inside of the bow, and the convex surface the outside, and the cut surfaces are left on the sides of the staple.

By the use of my invention staples can be made without forging or drawing, and in substantially the same manner and with about the rapidity with which cut-nails are made.

What I claim as my invention is as follows:

1. The staple-blank bar A, having a contour substantially as described, as a new article of manufacture.

2. The staple-blank B, having a contour substantially as described, as a new article of manufacture.

JOHN W. SHANNON.

Witnesses:

JNO. K. HALLOCK,
E. R. BLOOD.