

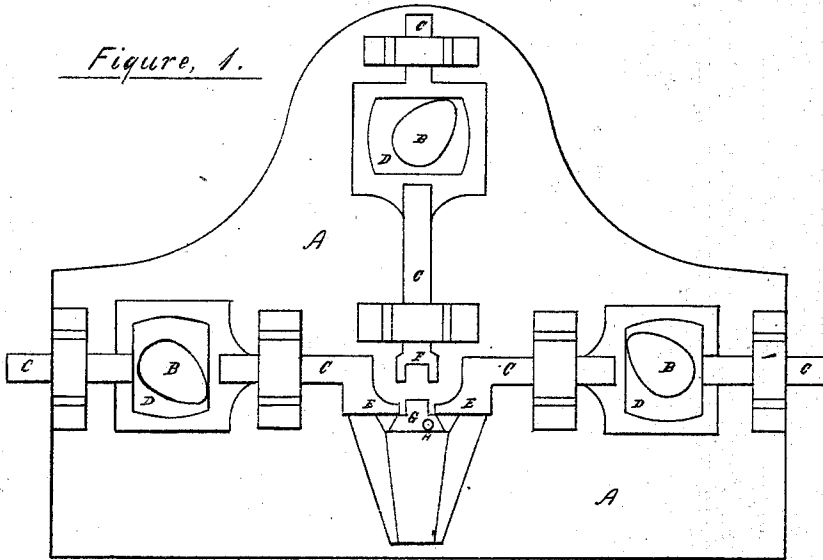
W. MALICK.

Machines for Pointing Staples.

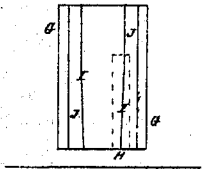
No. 144,401.

Patented Nov. 11, 1873.

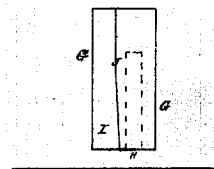
Figure, 1.



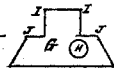
Figure, 2.



Figure, 3.



Figure, 4.



Witnesses.

Wm B Mallock
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Wesley Malick

UNITED STATES PATENT OFFICE.

WESLEY MALICK, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN MACHINES FOR POINTING STAPLES.

Specification forming part of Letters Patent No. **144,401**, dated November 11, 1873; application filed September 16, 1872.

To all whom it may concern:

Be it known that I, WESLEY MALICK, of Erie, in the county of Erie and State of Pennsylvania, have invented a new and Improved Device for Pointing Staples and other Irons; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon, the same forming a part of this specification.

The nature of my invention consists in providing a device by which staples or U-shaped irons may be pointed on each tang at the same time. My invention relates more particularly to the anvil on which the staples are pointed, and the manner in which the hammers operate in connection therewith.

The following description will illustrate the full scope of my invention.

Figure 1 in the drawings shows a view of my device, illustrating the relative positions of the hammers and anvil-faces, and also one mode of operating the hammers. Figs. 2, 3, and 4 are views of the anvil.

The following describes the construction and operation of my device.

G is the anvil, and is seen in Fig. 2 by a top view, and in Fig. 3 by a side view, and in Fig. 4 it is shown by an end view. This anvil is double-sided—that is, each side, the right and the left, are alike. Each of these sides has two faces—a perpendicular face, I, and a horizontal face, J. These several faces of the anvil are played upon by the hammers F and E E, of which E E are horizontal in their movement, and F is perpendicular. These hammers act alternately—that is, when the hammer F is down the hammers E E have receded, and vice versa. I have thus far denominated these as hammers; but I do not intend thereby to limit myself to the manner of their action, for they may act upon the iron to be pointed with a blow, or with a continuous pressure. I do not intend to be limited to any mode of actuating

these hammers; for it may be done, as shown, by a cam or eccentric movement, or by any other mechanical movement or device.

It will be seen, in Figs. 2 and 3, that the faces I I and J J are beveled. This bevel or slant is for the purpose of giving the proper taper to the tang of the staple or iron which is being pointed. The various hammers are beveled in a manner to correspond therewith.

The manner of operation of my device is as follows: When the staple or U-shaped iron is properly heated, it is placed upon the anvil so that one leg will rest on the two right-hand faces, and the other leg on the two left-hand faces, of the anvil. When in this position, it is pounded or squeezed by the alternately-acting hammers F and E E. This operation very quickly draws the staple to a point on each of its tangs. If, when it is removed, it is found that one of the tangs is longer than the other, the long tang is inserted in the hole H, and the short tang is thus brought upon the right-hand faces of the anvil, and is then very quickly drawn to the proper length.

My device may be used to draw any iron to a point; but its use is most advantageous for pointing U-shaped irons.

The hammers have been described as reciprocal in their movement; but they may easily be so constructed as to all strike at once; yet I do not favor that manner of construction.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is as follows:

1. The anvil G, when constructed with the faces I I and J J, and used for the purposes shown and described.

2. The combination of the two-sided and double-faced anvil G with the reciprocal and convergent hammers F E E, for the purposes shown and described.

WESLEY MALICK.

Witnesses:

JNO. K. HALLOCK,
WM. N. FLEMING.