

(No Model.)

E. G. PAULL.

TACK.

No. 336,426.

Patented Feb. 16, 1886.

Fig. 1.

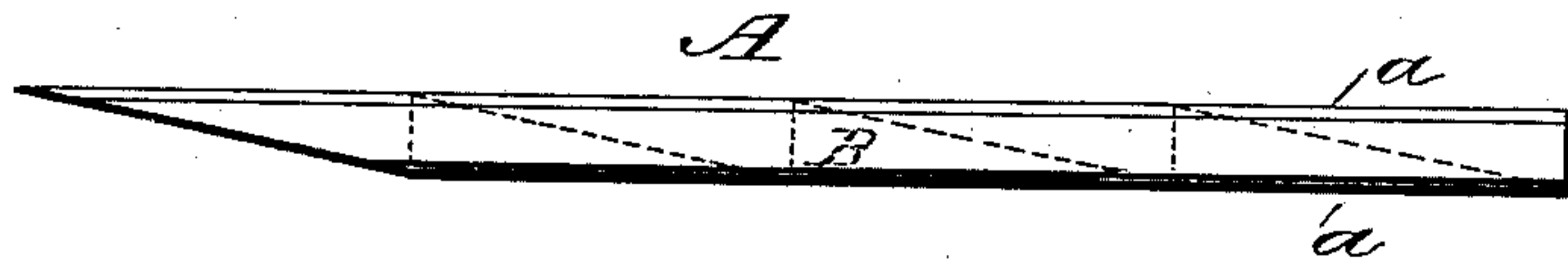


Fig. 2.



Fig. 3.



Fig. 4.



Witnesses,
Wm. S. Selden,
L. L. Miller,

Inventor,
Elbridge G. Paull.
per Char. H. Fowler
Attorney.

UNITED STATES PATENT OFFICE.

ELBRIDGE G. PAULL, OF FAIRHAVEN, MASSACHUSETTS, ASSIGNOR TO THE
AMERICAN TACK COMPANY, OF SAME PLACE.

TACK.

SPECIFICATION forming part of Letters Patent No. 336,426, dated February 16, 1886.

Application filed November 11, 1885. Serial No. 182,432. (No model.)

To all whom it may concern:

Be it known that I, ELBRIDGE G. PAULL, a citizen of the United States, residing at Fairhaven, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Tacks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings represents a bar of flattened wire from which are cut the blanks for making the tacks; Fig. 2, a sectional end view thereof; Fig. 3, a detail view in perspective of one of the blanks; Fig. 4, a similar view of a finished tack.

The object of the present invention is to provide a tack possessing superiority over the common tack both in strength, toughness, and finish.

Previous to my invention the manufacture of tacks from the blanks cut from round wire was accompanied with many objections, from the fact that a head of sufficient size in proportion to the shank of many varieties of tacks could not be produced upon a blank of round wire, there not being sufficient material from which to form it. Besides, a point sufficiently slim and sharp could not be produced therefrom. Where tacks have been made from flattened wire, the blanks thereof were usually cut crosswise of the grain, thus necessitating a superior quality of metal being used in order to produce tacks that will withstand clinching.

It is the purpose of the present invention to overcome these difficulties and produce for the market a tack possessing marked superiority over those now in common use, as will be hereinafter described and claimed.

In the accompanying drawings, A represents a bar of flattened wire, from which are cut the blanks B, said blanks being of substantially the same form as those cut from plates used to make the common tack.

The object in using wire is to produce smoother, stiffer, and stronger tacks than those that are made from plate metal—smoother because the surface of the wire is smoother, and because the tack is formed from wire with less cutting than from plate, and consequently less sharp corners are produced, and because in wire the metal is drawn or rolled cold, which condenses or stiffens it.

As will be noticed by reference to Fig. 1, the blanks B are cut from the bar A diagonally and lengthwise of the same, and consequently lengthwise of the grain, the edges of the bar being rounded or convex, as shown at a.

Many of the tacks used are first placed in the workman's mouth, then taken therefrom, one at a time, as they require them; hence the necessity of their being as smooth as possible to prevent cutting the mouth and fingers.

It is also necessary, in many instances, that a tack should be stiff and yet slim, in order that it may be driven into hard wood without bending, or splitting the wood, and it is also necessary that tacks should be strong, in order to permit of being clinched, these several features of superiority being possessed by a tack formed from a blank cut from a flattened wire lengthwise of the grain of the metal, three sides of the shank of the tack being smooth by virtue of its retaining the form of the wire.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A tack with flattened sides, one straight and rounded edge, and one edge plain and straight, extending diagonally from one side of the head end to the other or rounded side at the point end, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ELBRIDGE G. PAULL.

Witnesses:

WESTON K. RAYMOND,
JAMES L. GILLINGHAM.