

H. Blake,

Belt-Punching Knife.

N^o 80,899.

Patented Aug. 11, 1868.

Fig. 4.

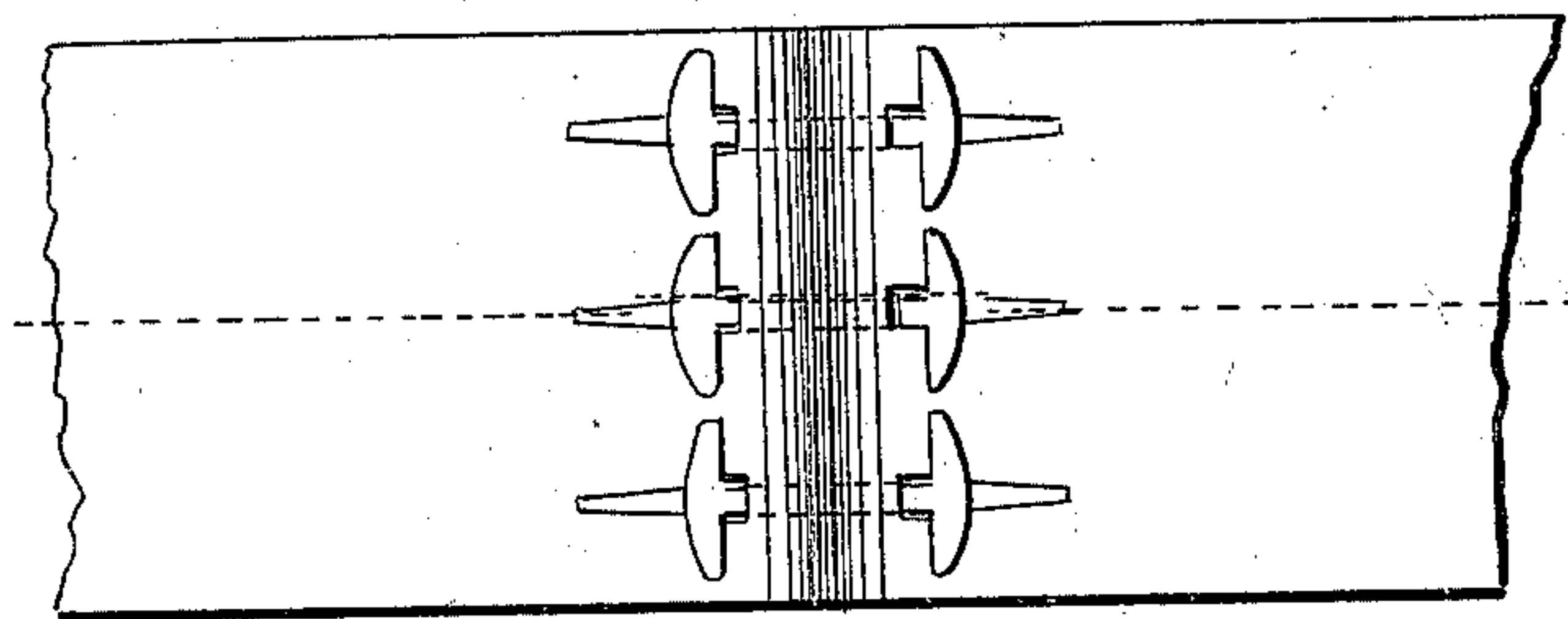


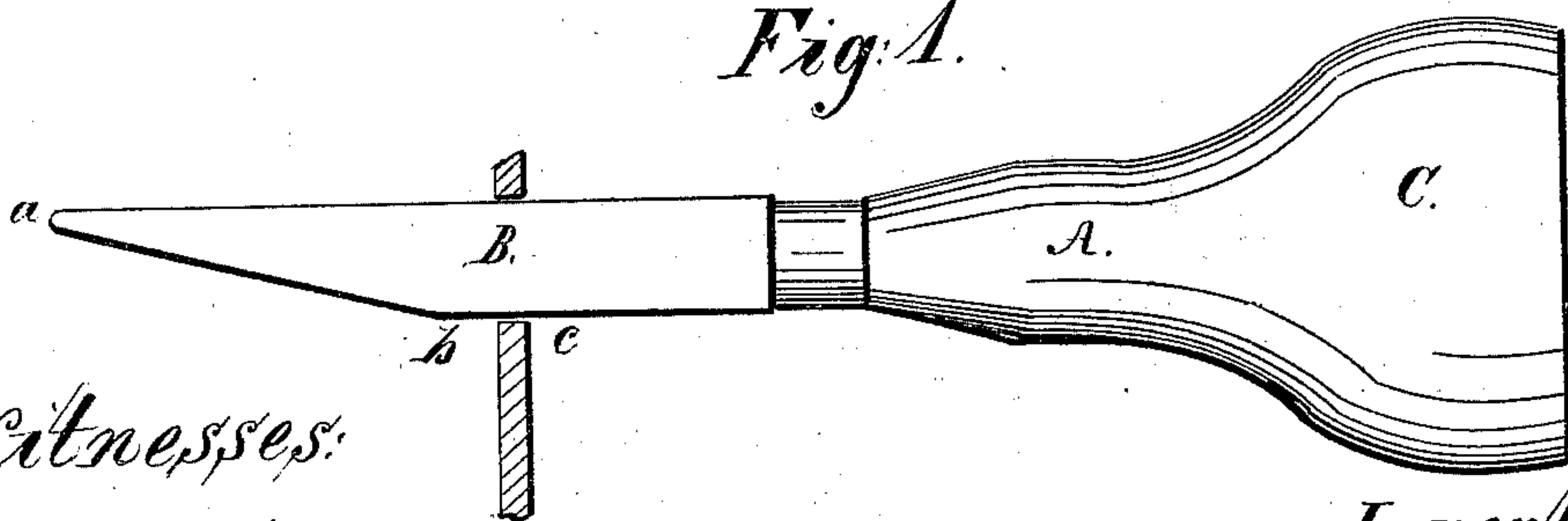
Fig. 3.



Fig. 2.



Fig. 1.



Witnesses:

Am. A. Morgan

Chas. C. Cotton

Inventor:

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UNITED STATES PATENT OFFICE.

HENRY BLAKE, OF EAST PEPPERELL, MASSACHUSETTS, ASSIGNOR TO HIMSELF, GEORGE W. BLAKE, OTIS BLAKE, AND JAMES BLAKE, OF SAME PLACE.

IMPROVEMENT IN BELT-KNIFE.

Specification forming part of Letters Patent No. **80,899**, dated August 11, 1868.

To all whom it may concern:

Be it known that I, HENRY BLAKE, of East Pepperell, in the county of Middlesex and State of Massachusetts, have invented a new and Combined Belt-Knife and Mallet for Punching Belts; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to provide a simple and effective means for punching belts.

It consists of a knife-punch, the blade of which is formed in a shape particularly adapted to form the elongated perforations necessary for inserting the belt-fastenings heretofore patented by George W. Blake, and dated March 26, A. D. 1861, and which is provided with a handle having a mallet-head, as will be more fully described on reference to the accompanying drawings, wherein—

Figure 1 represents a side elevation of my improved knife and mallet with a section of a belt through which it has been forced. Fig. 2 represents the said section of a belt detached from the knife. Fig. 3 represents a longitudinal section of a belt perforated with my improved knife and united by the before-mentioned fastenings. Fig. 4 represents a plan view of a belt punched and united as described.

Similar letters of reference indicate corresponding parts.

A represents a punch, provided with a blade,

B, constructed as shown in the drawings, having a straight back, and tapered from the back to the front edge, the said tapered portion being shaped down to an edge and sharpened from the point *a* to the heel *b*. From the heel of the edge at *b* to *c* the blade swells to the same thickness as at the back.

C represents an enlarged portion of the handle, forming a mallet-head, which facilitates the operation of punching the belt and withdrawing the punch therefrom, and is also useful in hammering the joint down smooth after it has been made.

It is necessary in punching belts to be united by the aforesaid fastening that the perforations be as long as the head of the said fastenings, and that they be distended sideways to some extent to admit the heads of the fastenings freely, which is fully accomplished by my improved punch, which is operated by placing the point inside of the line parallel with the end of the belt which bounds the outer ends of the perforations, with the back next to said line, when it is forced through the belt either by the hand or by a mallet, as will be readily understood.

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

The improved belt-punching knife herein described, as a new article of manufacture.

HENRY BLAKE.

Witnesses:

SILAS P. SHATTUCK,
HENRY E. NUTTING.