

(No Model.)

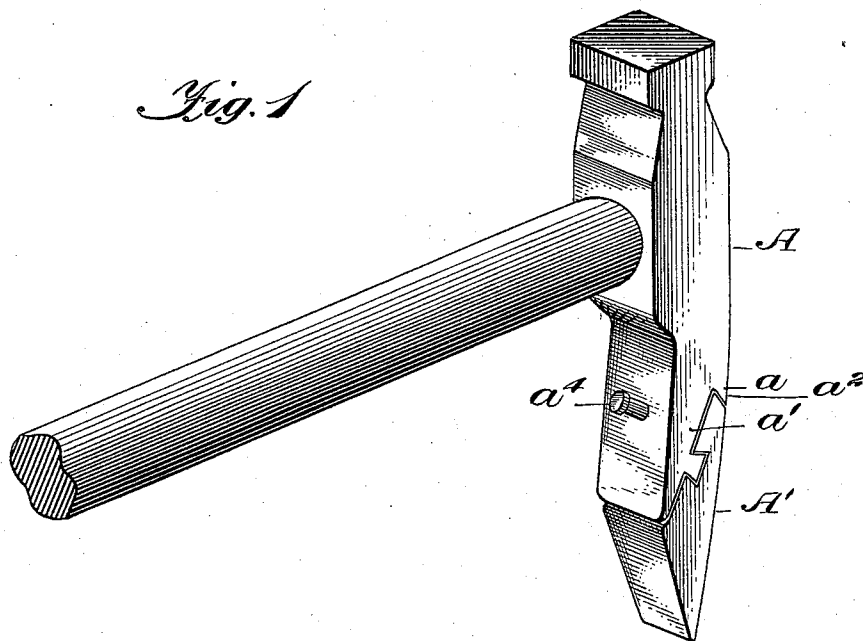
2 Sheets—Sheet 1.

T. W. MACKIE.  
HAMMER.

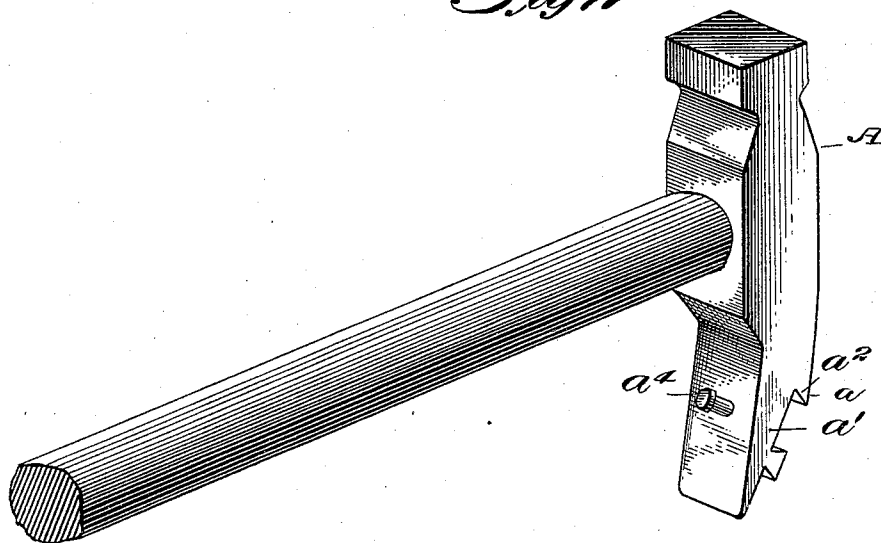
No. 580,946.

Patented Apr. 20, 1897.

*Fig. 1*



*Fig. 2*



WITNESSES

*Edmund H. Strang,*  
*J. H. Tappan*

INVENTOR

*Thomas W. Mackie.*  
*by John Wedderburn*  
Attorney

(No Model.)

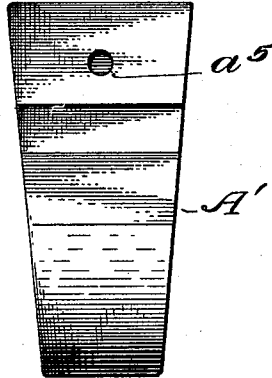
2 Sheets—Sheet 2.

T. W. MACKIE.  
HAMMER.

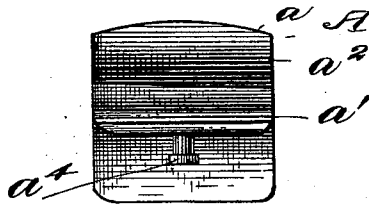
No. 580,946.

Patented Apr. 20, 1897.

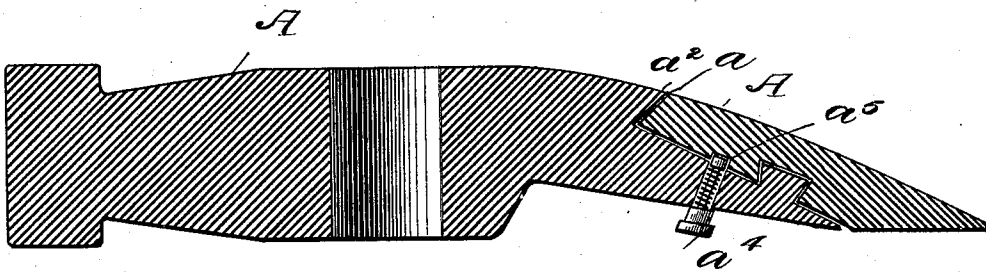
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



WITNESSES

*Edmund A. Strauss.*  
*J. E. Tappan*

INVENTOR

*Thomas W. Mackie*  
*by John Wedderburn*  
Attorney

# UNITED STATES PATENT OFFICE.

THOMAS WILLIAM MACKIE, OF ELDRED, PENNSYLVANIA.

## HAMMER.

SPECIFICATION forming part of Letters Patent No. 580,946, dated April 20, 1897.

Application filed October 20, 1896. Serial No. 609,474. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS WILLIAM MACKIE, a citizen of the United States, residing at Eldred, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Hammers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in hammers, my object being to provide a construction of hammer particularly adapted for the use of brick-layers, stone-masons, &c., the hammer being provided with a removable cutting end. The invention consists in the various matters hereinafter described and claimed.

In the accompanying drawings, which illustrate the invention, Figure 1 is a perspective of a hammer constructed in accordance with the present invention. Fig. 2 is a similar view showing the detachable end removed. Fig. 3 is a bottom view of the detachable end. Fig. 4 is a front view of the hammer with the end removed. Fig. 5 is a longitudinal section of the hammer.

Referring now more particularly to the drawings, A represents a hammer-head of ordinary construction, said head having an inwardly-sloping flange *a* across the same and being cut off at an angle beginning at the bottom of the flange *a* to leave the portion *a'*. A detachable end A', having a beveled rear *a*<sup>2</sup>, adapted to fit under the flange *a*, is provided and has means for holding said end securely in place. As here shown, a dovetailed tenon extends across the portion *a'* of the body portion of the head and a corresponding mortise is formed on the under side of the end A'. Thus when the end A' is in place with the tenon engaging the mortise and the beveled rear portion lying under the flange of the body portion it is manifest that the said end portion is held in place against displacement upwardly. In order to prevent

lateral movement of the end portion, a plunger *a*<sup>4</sup> is seated in the body portion which lies beneath the end A' when the said end is in place, said plunger being normally spring pressed upwardly and adapted to engage a recess *a*<sup>5</sup> on the under side of the end A'. It is to be noticed that one end of the dovetailed tenon is thicker than the other, and the mortise is correspondingly formed, so that the end portion A' can be slipped in place and by driving said end portion across the body portion in such a way that the tenon wedges in the mortise an additional means for securing the end portion A' in place results.

It will be seen that the hammer comprises but few parts which cannot well get out of order. The device is complete in itself, there being no screws or other members requiring foreign tools to loosen them, and the whole construction is such that the end used for cutting or breaking stones, &c., can be readily detached when dulled and a sharp end is readily applied, the dulled ends being sharpened at any convenient time.

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

The combination with the body portion of a hammer having an inwardly-sloping flange thereon, said body portion being cut off from the bottom of said flange and having a transverse dovetailed tenon upon said body portion in front of said flange, and a spring-pressed plunger situated to extend beyond the base of said cut-off portion, of an end portion beveled at its end to fit the inwardly-sloping flange of said body portion and having a transverse dovetailed mortise to receive said tenon, and a recess to receive said plunger.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

THOMAS WILLIAM MACKIE.

Witnesses:

C. W. DAVISON,  
H. H. SLOAN.