J. R. BAILEY.

Hatchet.

No. 211,371. Patented Jan. 14, 1879.

Fig. 1.

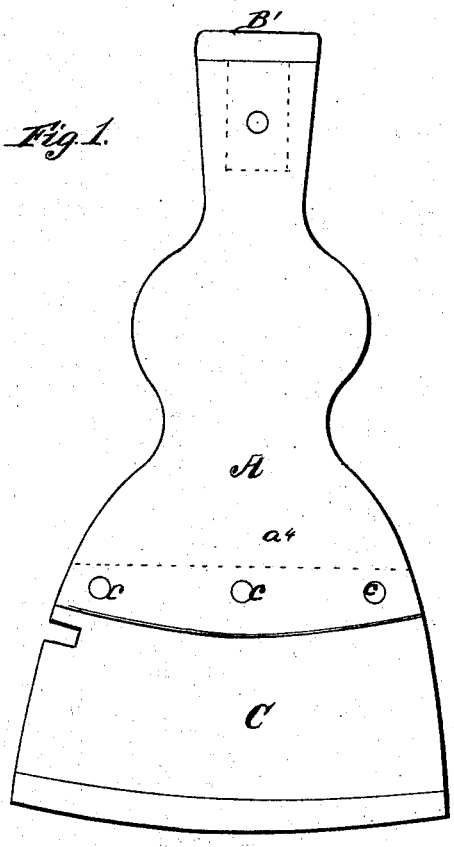
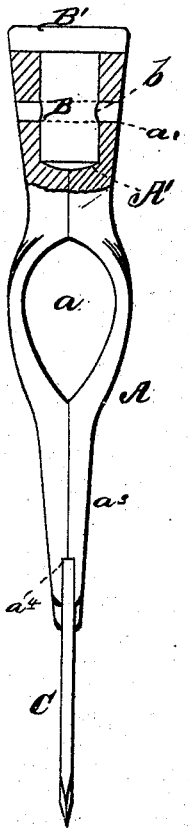


Fig. 2.



WITNESSES

Robt Everett,

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JOSEPH R. BAILEY, OF WOONSOCKET, RHODE ISLAND.

IMPROVEMENT IN HATCHETS.

Specification forming part of Letters Patent No. **211,371**, dated January 14, 1879; application filed September 21, 1878.

To all whom it may concern:

Be it known that I, JOSEPH R. BAILEY, of Woonsocket, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Hatchets; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation 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 is a representation of a side elevation of my hatchet, and Fig. 2 is an end view, part sectional, of the same.

My invention relates to hatchets, axes, broad-axes, adzes, hammers, chisels, or other implements having a cutting-edge or a concussing surface; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth.

I will describe the invention as applied to a hatchet; but the same may be applied to other implements without departing from the gist of my invention.

To a malleable body having an eye to receive a handle I secure a cutting-blade and a hammer-face. The upper portion of the malleable body is mortised to receive the steel hammer-face shank. A transverse aperture through the body and shank receives a rivet or screw, which is secured firmly, and afterward dressed down to make a neat finish.

The lower surface or blade-face of the body is bifurcated transversely to receive the cutting-blade of tempered steel, and is secured thereto by rivets, which are also dressed down to a fine finish.

The hammer-face, in case of breakage, can be removed by punching out the rivet, and a new face placed in its stead, which is true of the cutting-blade also. The body will last a life-time.

The cutting-blade is made of sheet-steel, stamped or punched with dies, and no forging of any kind is employed. Steel blades of this kind for this purpose are much better, as it is of a uniform quality, no places burned or overheated.

A tool thus made will be of a superior quality, as there is no danger of overheating while welding, and they can be made much cheaper.

Referring to the drawing, A represents the body, of malleable iron, provided with a handle-socket, *a*, mortise A′, to receive hammer-shank B, a transverse aperture, a^1, to receive a rivet, and a bifurcated or slotted face, as shown at a^3 a^4, to receive the steel cutting-blade C, which is secured to the body A by rivets, as at *c*.

The hammer-face B′ is of tempered steel, and the shank B is pierced at *b* to correspond with the aperture a^1. The blade C is of sheet-steel, pierced by stamps or dies, and is riveted to the body, as shown. The riveted surfaces are then dressed down, so as to make a neat finish.

What I claim as new, and desire to secure by Letters Patent, is—

1. The body A, having mortise A′ and aperture a^1, in combination with the hammer-shank B and face B′, the two portions being riveted together, as set forth.

2. The body A, having mortise A′, slot a^4, and socket *a*, in combination with the hammer-face B′, having shank B, and cutting-blade C, all pierced and riveted together, as shown and specified.

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

JOSEPH R. BAILEY.

Witnesses:

GEORGE A. WILBUR,

CHARLES M. ARNOLD.