(No Model.)

C. L. MARTIN & J. H. HUMBERT.

AX.

No. 304,538. Patented Sept. 2, 1884.

Fig. 1.

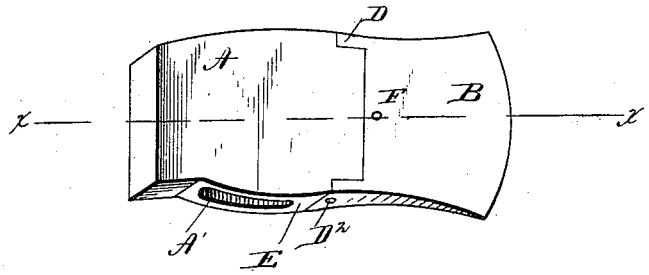


Fig. 2.

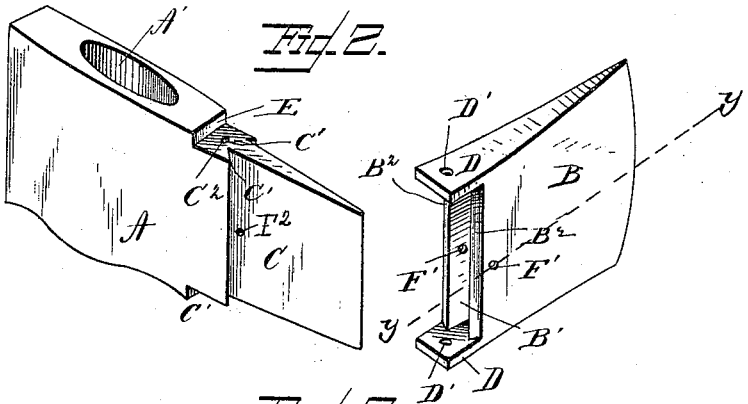


Fig. 3.

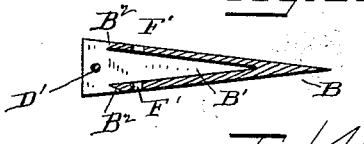
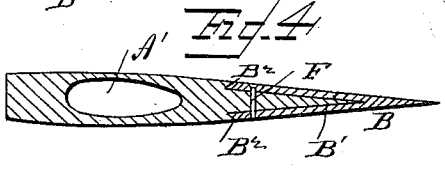


Fig. 4.



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AX.

SPECIFICATION forming part of Letters Patent No. 304,538, dated September 2, 1884.

Application filed October 27, 1883. Renewed August 7, 1884. (No model.)

To all whom it may concern:

Be it known that we, CHARLES L. MARTIN and JAMES H. HUMBERT, citizens of the United States, CHAS. L. MARTIN residing at Charlottesville, in the county of Albemarle and State of Virginia, JAS. H. HUMBERT being a resident of Onan, Nelson county, Virginia, have invented certain new and useful Improvements in Axes, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to axes and other edge-tools.

It consists in the parts hereinafter described, and pointed out in our claims.

In the accompanying drawings, Figure 1 is a perspective view of our improvement as applied to an ax. Fig. 2 is a perspective view of the body of the ax with the blade detached. Fig. 3 is a section of the blade on the line *y y* of Fig. 2. Fig. 4 is a longitudinal section on the line *x x* of Fig. 1.

Like letters indicate like parts throughout the several views.

A is the main body of the ax with the eye A′.

C is the wedge-shaped part of the main body A, to be inserted in the wedge-shaped opening B′ of the blade B.

C′ C′ are dovetail shoulders on the main body A.

C^2 are openings on the top and bottom sides of the body for the reception of screw-points.

E is a shoulder on said body, against which the lugs D D abut when the parts are united. B^2 B^2 are the beveled jaws of the opening B′. The jaws B^2 fit against and unite with the shoulder C′, whereby a dovetail connection is made.

D′ D′ are openings in the lugs D for the reception of the screw-shanks.

F′ F′ are openings in the side of the blade B.

F^2 is an opening through the wedge C.

F is a screw or rivet passing through the openings F′ and F^2, by means of which the blade B is secured to the wedge C. The screw D^2 also serves as additional means for uniting the two parts.

We do not confine our device to axes. It may be applied to hatchets, draw-knives, and other edge-tools without departing from the spirit of the invention.

Having thus described our invention, we desire to claim as new by Letters Patent—

1. In an ax or other edge-tool, a wedge-shaped body provided with dovetail shoulders, in combination with a blade provided with an opening adapted to receive the wedge of the main body, the jaws of the opening of said wedge being beveled, whereby the parts may be united, substantially as described, and for the purpose set forth.

2. An ax or other edge-tool the body whereof is provided with a projection, C, shoulders C′ and E, and opening C^2, in combination with the blade B, having the opening B′, beveled jaws B^2, lugs D, having opening D′, and screws, whereby the parts are united, substantially as described, and for the purpose set forth.

3. An ax or other edge-tool provided with wedge C, openings F^2 and C^2, shoulders C′ and E, in combination with the blade B, having opening B′, screw-openings F′ and D′, jaws B^2, lugs D, and screw or rivet F, substantially as described, and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES L. MARTIN.
JAMES H. HUMBERT.

Witnesses:
T. F. BURNLEY,
JOHN M. WHITE.