

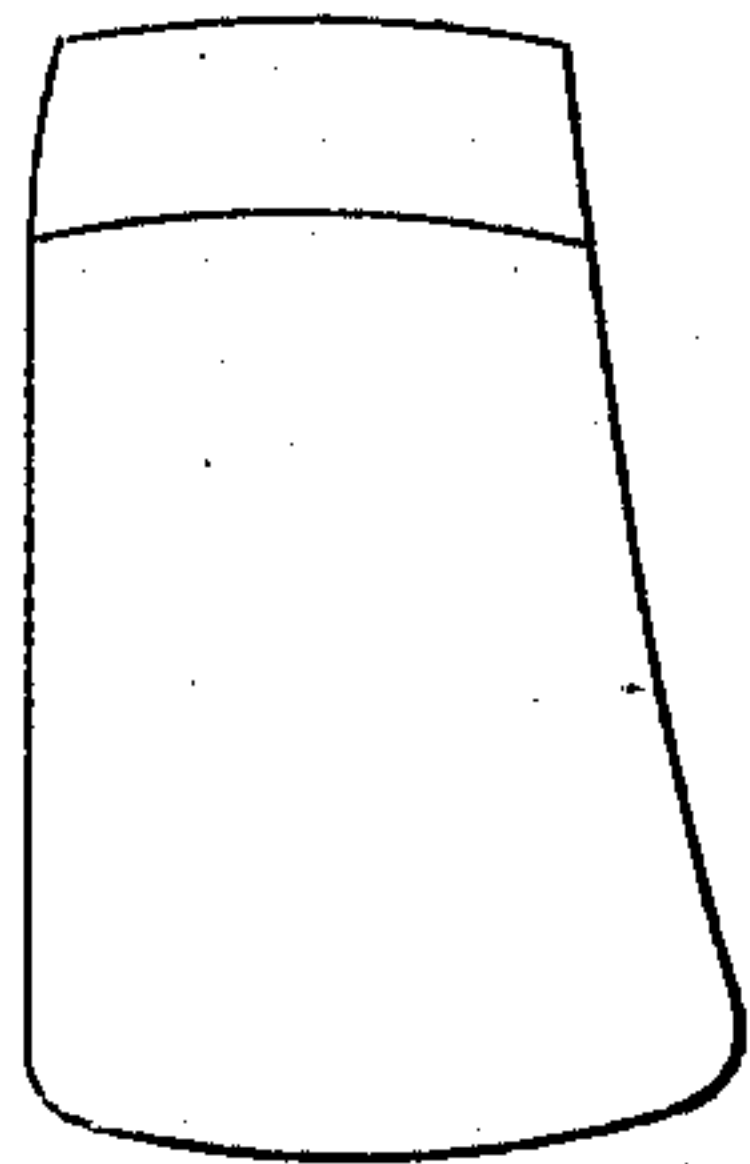
(No Model.)

H. HAMMOND.  
AX BLANK.

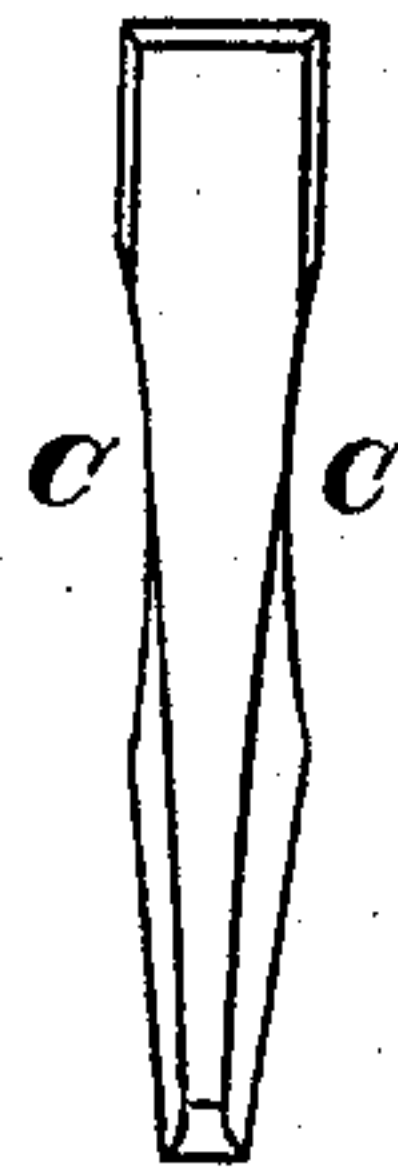
No. 316,618.

Patented Apr. 28, 1885.

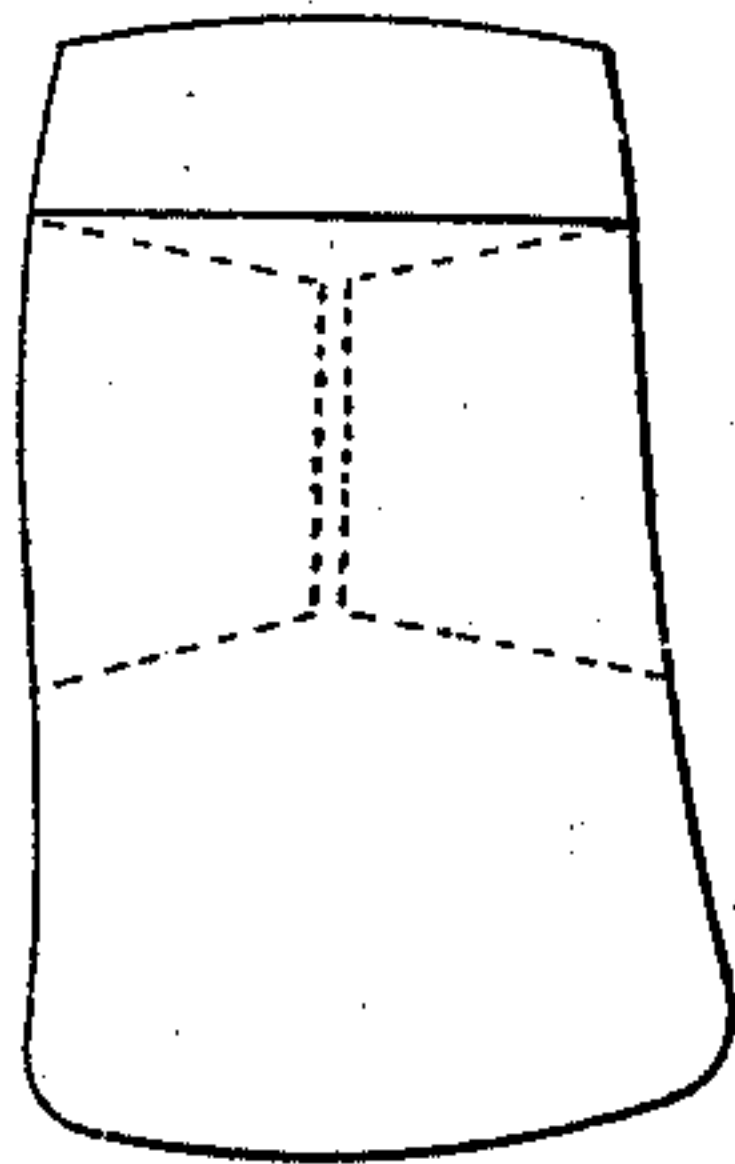
*Fig. 1*



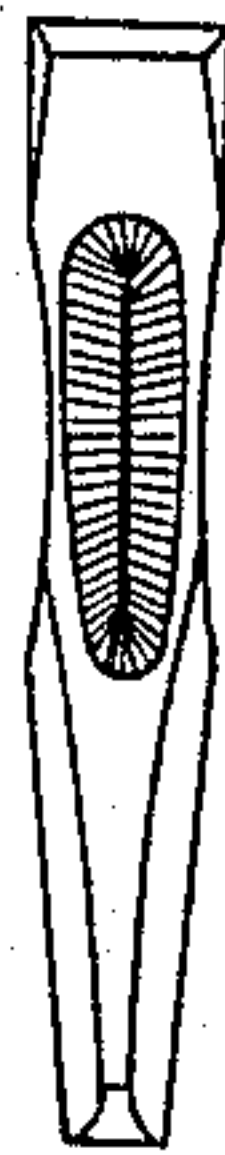
*Fig. 2*



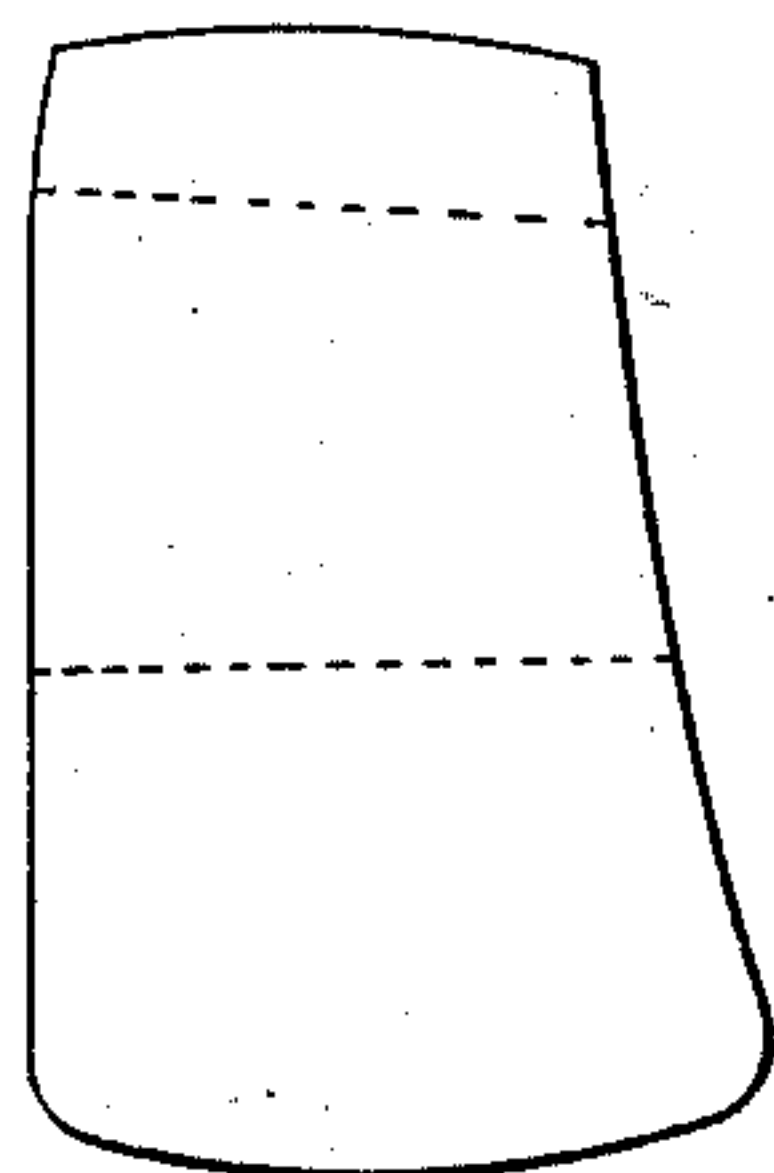
*Fig. 3*



*Fig. 4*



*Fig. 5*



*Fig. 6*



*Witnesses:*

*Frank H. Pierpont*  
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*Inventor:*

*Henry Hammond*  
*by Albert H. Walker, Atty.*

# UNITED STATES PATENT OFFICE.

HENRY HAMMOND, OF NEW HAVEN, CONNECTICUT.

## AX-POLL BLANK.

SPECIFICATION forming part of Letters Patent No. 316,618, dated April 28, 1885.

Application filed March 14, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY HAMMOND, a citizen of the United States, residing at the city of New Haven, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in the Manufacture of Axes, of which the following description and claim constitute the specification, and which is illustrated by the accompanying sheet of drawings.

My improvement relates to the art or process of making axes; and it consists of a new and peculiar ax-poll blank produced by my new and peculiar process of making ax-polls at the end of one of the earlier stages of that process.

Figure 1 of the drawings is a side view, and Fig. 2 is an edge view, of the ax-poll blank claimed in this specification. Figs. 3 and 4 are side and edge views, respectively, of that blank after the eye is partly cut and the sides partly forced out by cutters entering from the opposite edges of the blank. Figs. 5 and 6 are side and edge views, respectively, of the article shown in Figs. 3 and 4, after a punch or former has been forced entirely through the same, thus giving the final form to the interior of the eye and pressing out the metal to entirely fill the concavities *c c* and give the exterior of the ax-poll its finished form.

The ax-poll blank shown in Figs. 1 and 2 is manufactured by forging in any suitable manner; but I prefer to manufacture it by dies worked by machinery. It consists of a sin-

gle piece of metal having the common shape of an ax-poll, except at its sides opposite to where the eye is to be located, and having at those sides the concavities *c c*, about equal in aggregate size to the eye to be made in making the ax-poll blank into an ax-poll.

I do not herein claim the process of making my new and peculiar ax-poll blank, nor the process of making it into an ax-poll, because both those processes are included in my new and peculiar process of making ax-polls, which process is described and claimed in an application of mine for Letters Patent of the United States for improvements in the manufacture of axes, filed March 31, 1882, and of which application this one constitutes a division, made at the requirement of the Patent Office.

I claim as my invention—

A blank for an ax-poll, hatchet, or other analogous article, formed with concavities *c c*, the aggregate bulk of which concavities substantially corresponds with the bulk of the eye to be formed, which ax-poll is adapted to receive its ultimate external contour at the eye portion by the action of a perforating punch, (or punches,) which splits the blank centrally between the two concavities, and spreads the metal laterally, in substantially the manner set forth.

HENRY HAMMOND.

Witnesses:

ALBERT H. WALKER,  
WILLARD EDDY.