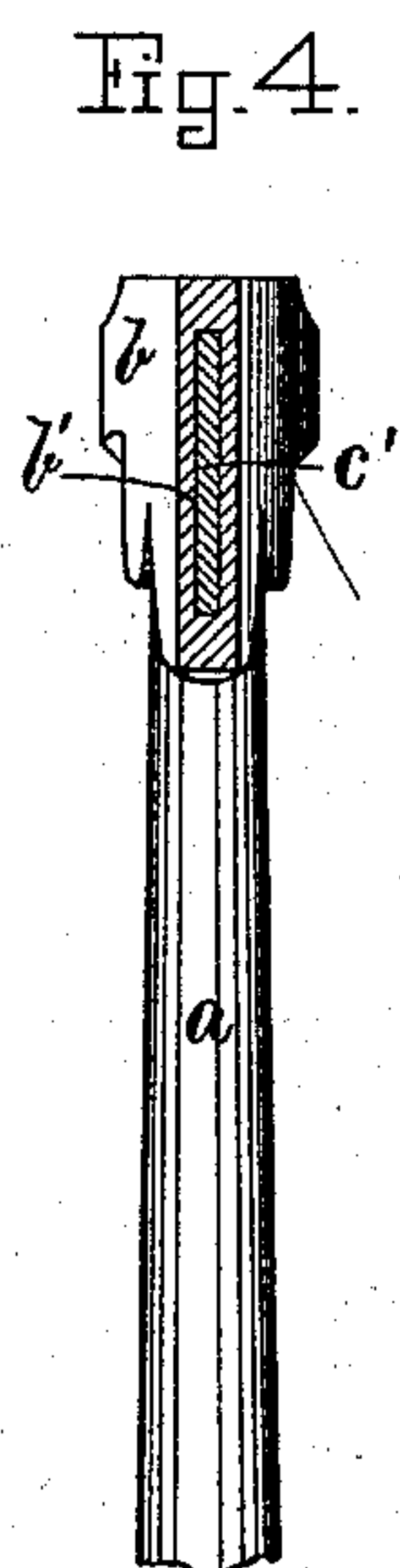
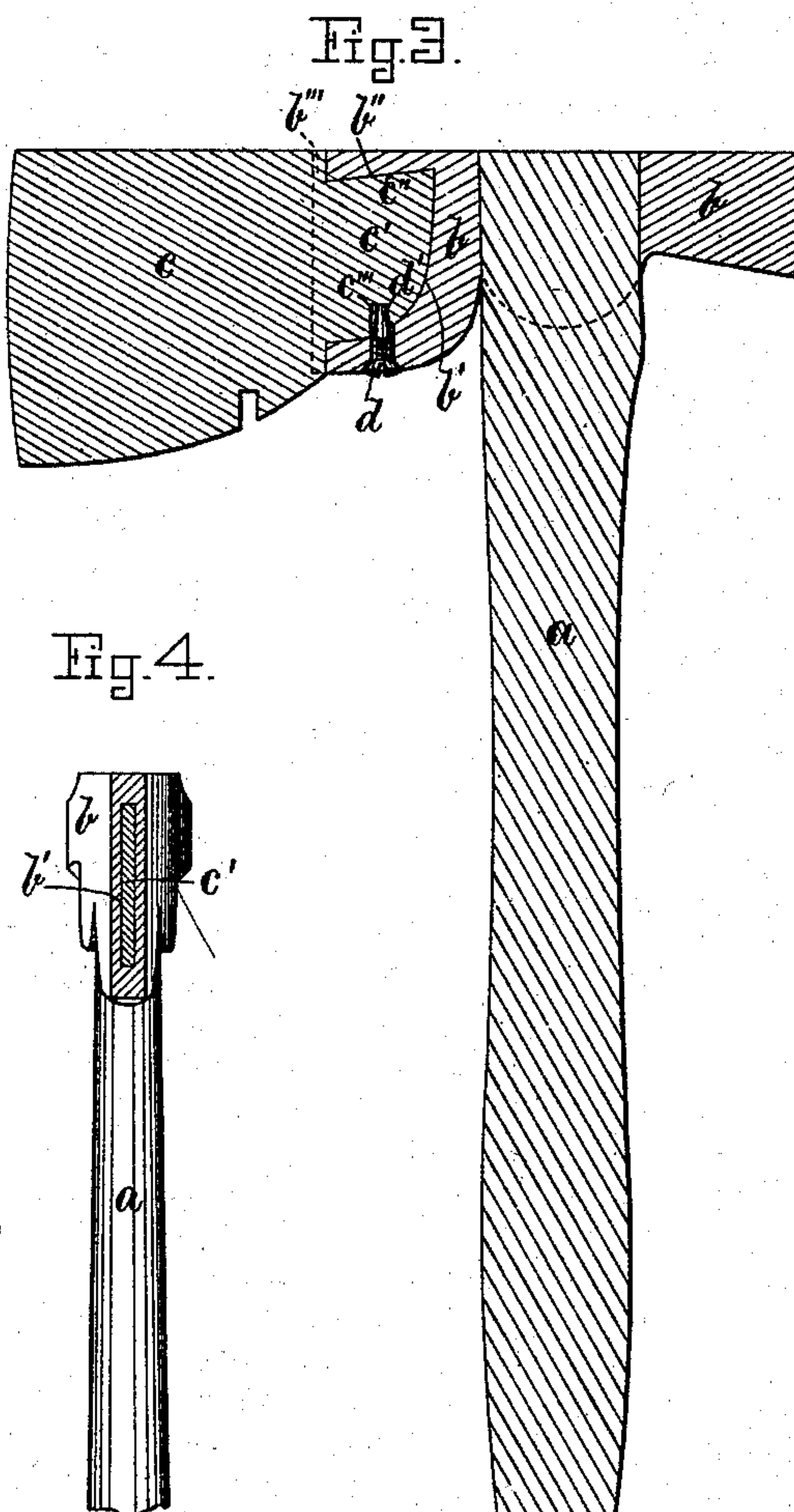
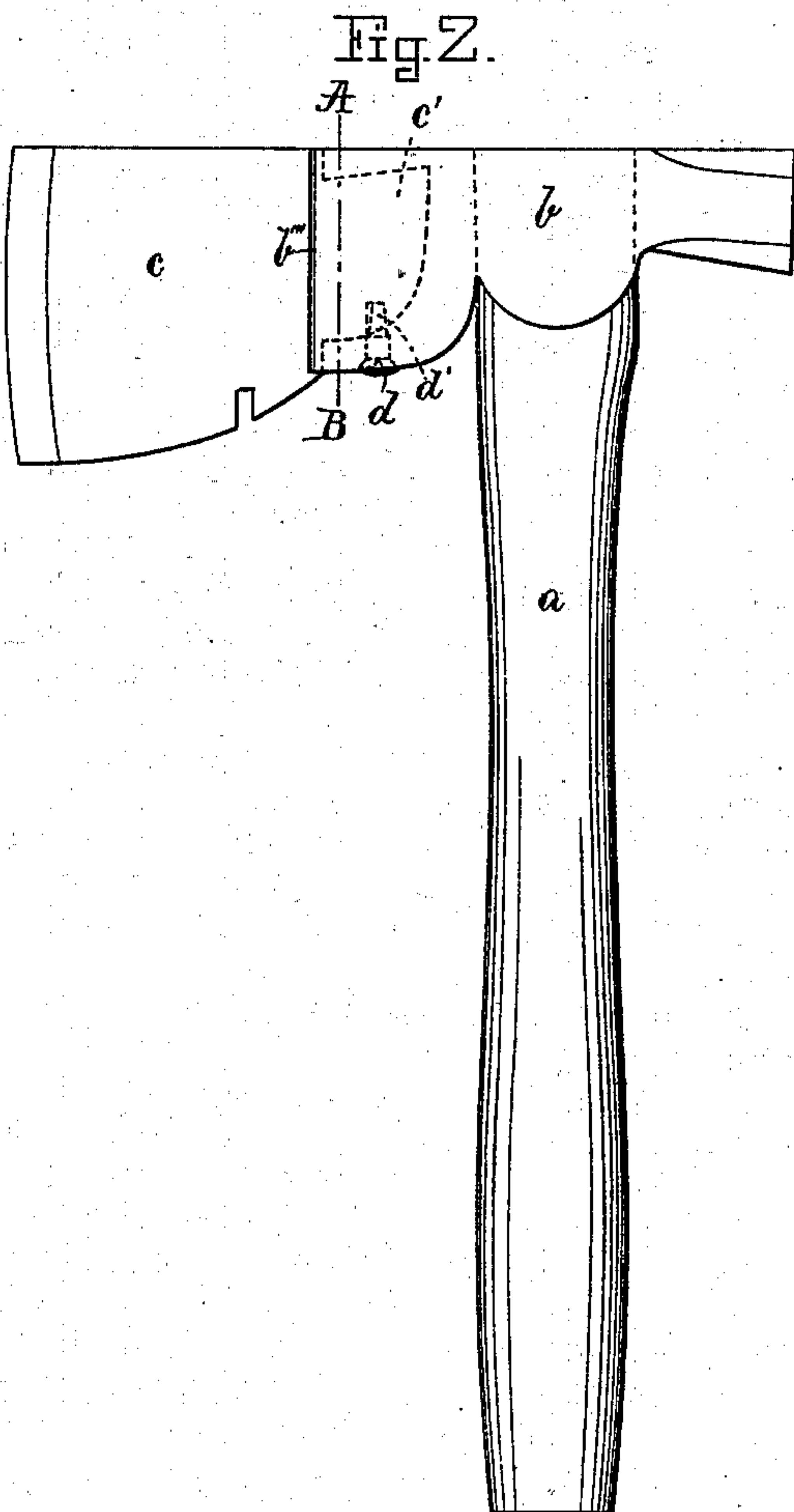
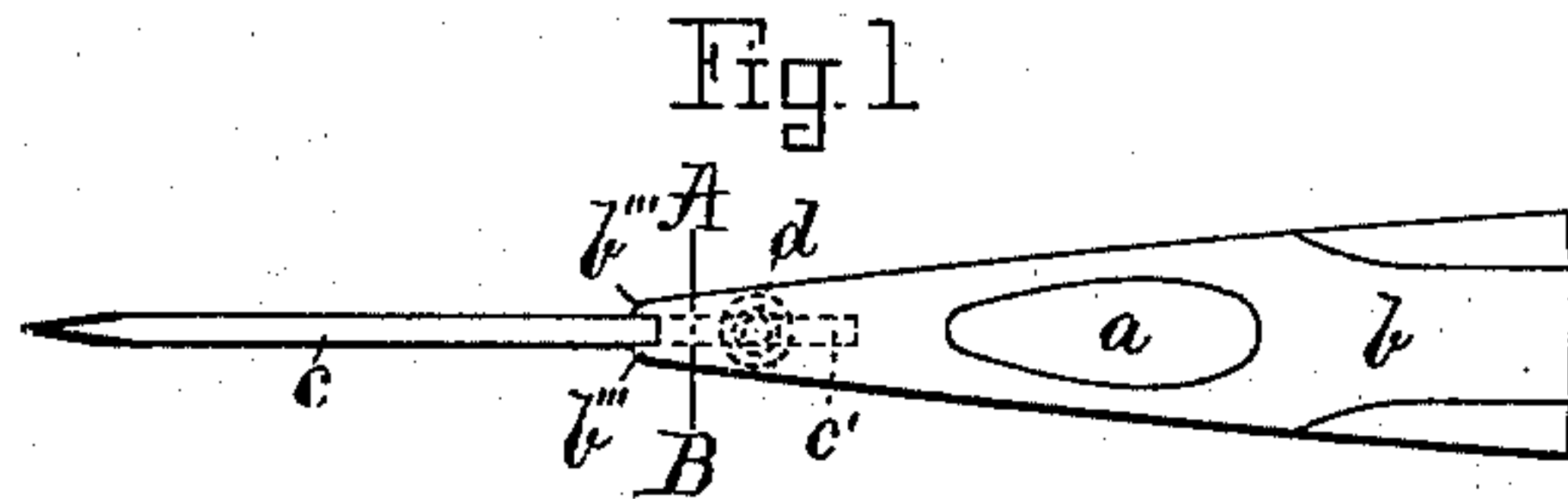


(No Model.)

W. P. CUTTER.  
HATCHET.

No. 274,085.

Patented Mar. 13, 1883.



Witnesses  
Henry Chadbourne.  
John H. Foster.

Inventor  
William P. Cutter  
by *Alban Andrieu*  
his atty.



# UNITED STATES PATENT OFFICE.

WILLIAM P. CUTTER, OF EVERETT, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO MELVIN B. HINDS, OF SAME PLACE.

## HATCHET.

SPECIFICATION forming part of Letters Patent No. 274,085, dated March 13, 1883.

Application filed January 2, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM P. CUTTER, a citizen of the United States, residing at Everett, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Hatchets; and I do hereby declare that the same are fully described in the following specification and illustrated in the accompanying drawings.

10 This invention relates to improvements in that class of hatchets, axes, mill-picks, or ice-tools in which the bit is made detachable from the poll; and it is carried out as follows, reference being had to the accompanying drawings, 15 where—

Figure 1 represents a top or plan view of my improved hatchet. Fig. 2 represents a side elevation, and Fig. 3 represents a central longitudinal section of the same. Fig. 4 represents a cross-section on the line A B, shown in Figs. 1 and 2.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

25 *a* represents the handle, and *b* represents the poll of my improved hatchet. The said poll *b* has in its rear end an internal recess or mortise, *b'*, into which the shank *c'* of the detachable blade or bit *c* is made to fit when in use, as shown in Figs. 3 and 4. The upper edge, 30 *c''*, of the shank *c'* is made tapering, as shown, and adapted to fit and lock into the upper dovetailed portion, *b''*, of the recess or mortise *b'*, as shown in Fig. 3. The under side of 35 the shank *c'* is preferably made curved, as shown in said Fig. 3, to enable it to be readily inserted in the recess *b'*, and after being so inserted it is secured firmly in place by means of the screw *d*, that is screwed through the 40 under side of the poll *b*, and has its tapering end *d'* adapted to fit into a corresponding notch or recess, *c'''*, on the under side of the shank *c'* in such a manner as to tend to draw the rear of the shank *c'* toward the bottom of

the recess *b'* when the screw *d d'* is tightened. 45 The recess or locking-notch *c'''* is preferably made a little wider than the tapering end *d'* of the screw *d*, so that the blow of the hatchet, when in use, shall not be communicated to the said screw, by which it might get loose. 50

The blade or bit *c* is made of an even thickness from sheet-steel by being punched or dropped out in a suitable machine for this purpose, and afterward hardened and sharpened, when it is ready for use. The bit or 55 blade *c* may be made of any desired form or shape, according to the purpose for which it is to be used, and is equally well adapted for axes, adzes, hatchets, mill-picks, or ice-tools, with slight modifications, without departing 60 from the spirit of my invention.

*b''' b'''* are vertical lips at the rear end of the poll *b*, between which the blade or bit *c* is made to fit, and thereby to provide a still further union between the poll and its detach- 65 able blade or bit, as shown.

By this my invention I am able quickly to detach the bit from the poll if broken, or if another kind of bit is required, and to secure it very firmly in place without liability of its 70 getting loose and detached from the poll while in use.

What I wish to secure by Letters Patent, and claim, is—

A hatchet or similar tool composed of a poll, 75 *b*, having an end recess or mortise, *b'*, closed on all four sides, in combination with the bit *c*, its shank *c'*, and the bottom notch, *c'''*, adapted to receive the end of the fasteningscrew *d d'*, screwed through the under side of 80 the poll *b*, as and for the purpose set forth.

In testimony whereof I have affixed my signature in presence of two witnesses.

WILLIAM P. CUTTER.

Witnesses:

ALBAN ANDRÉN,  
HENRY CHADBURN.