

(No Model.)

G. SELSOR.  
DIE FOR MAKING HATCHETS.

No. 318,312.

Patented May 19, 1885.

Fig. 1.

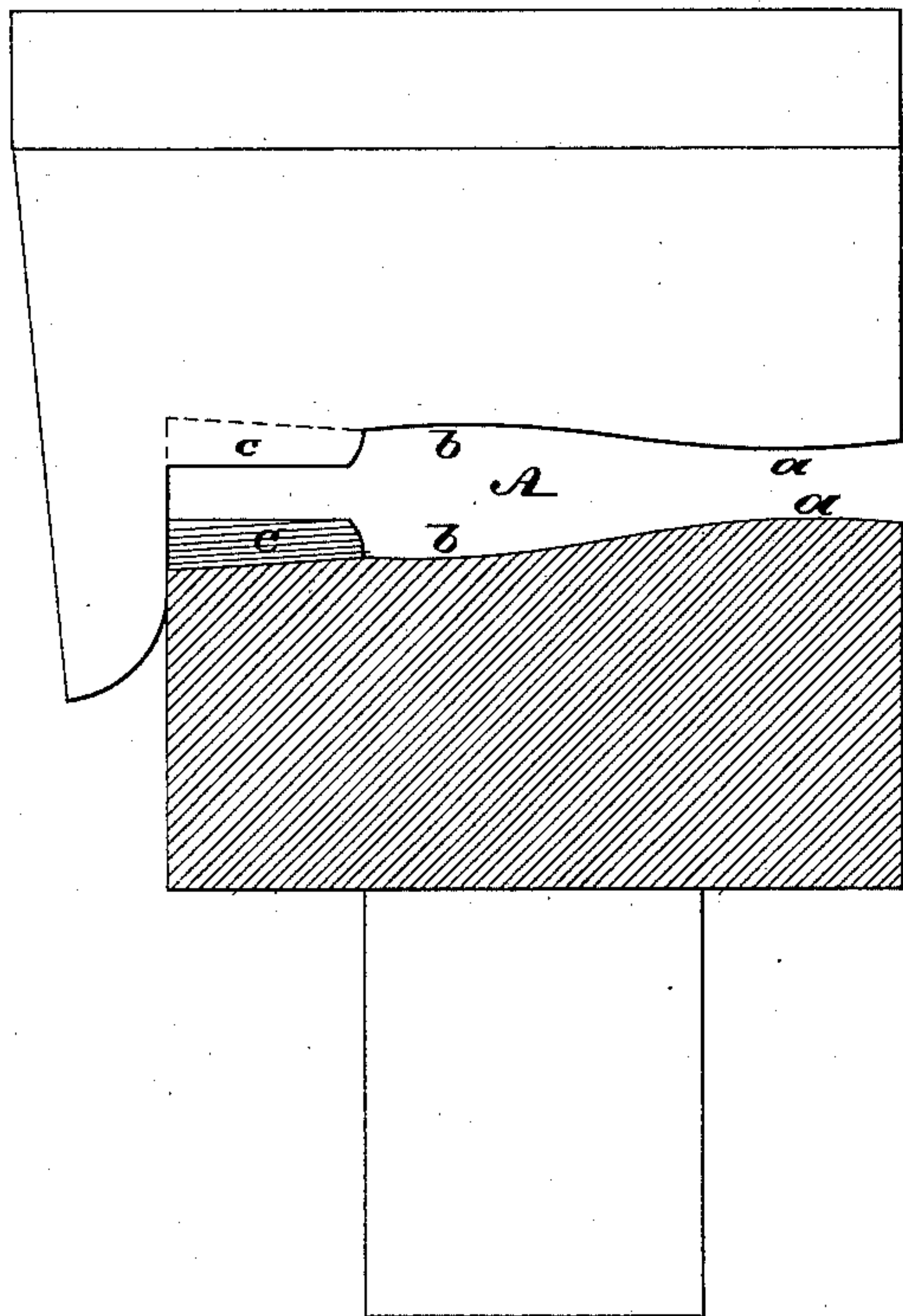


Fig. 2.

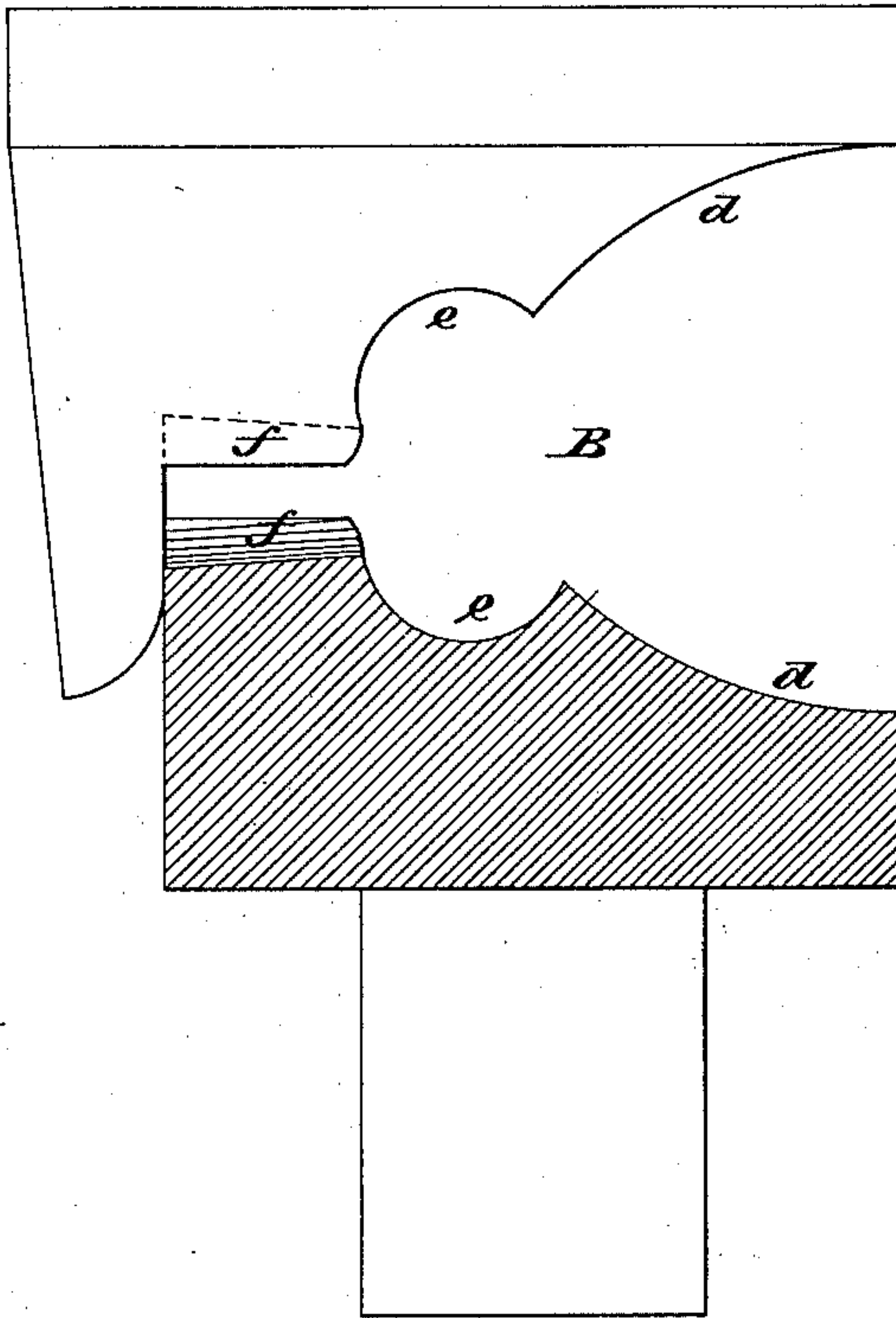


Fig. 3.

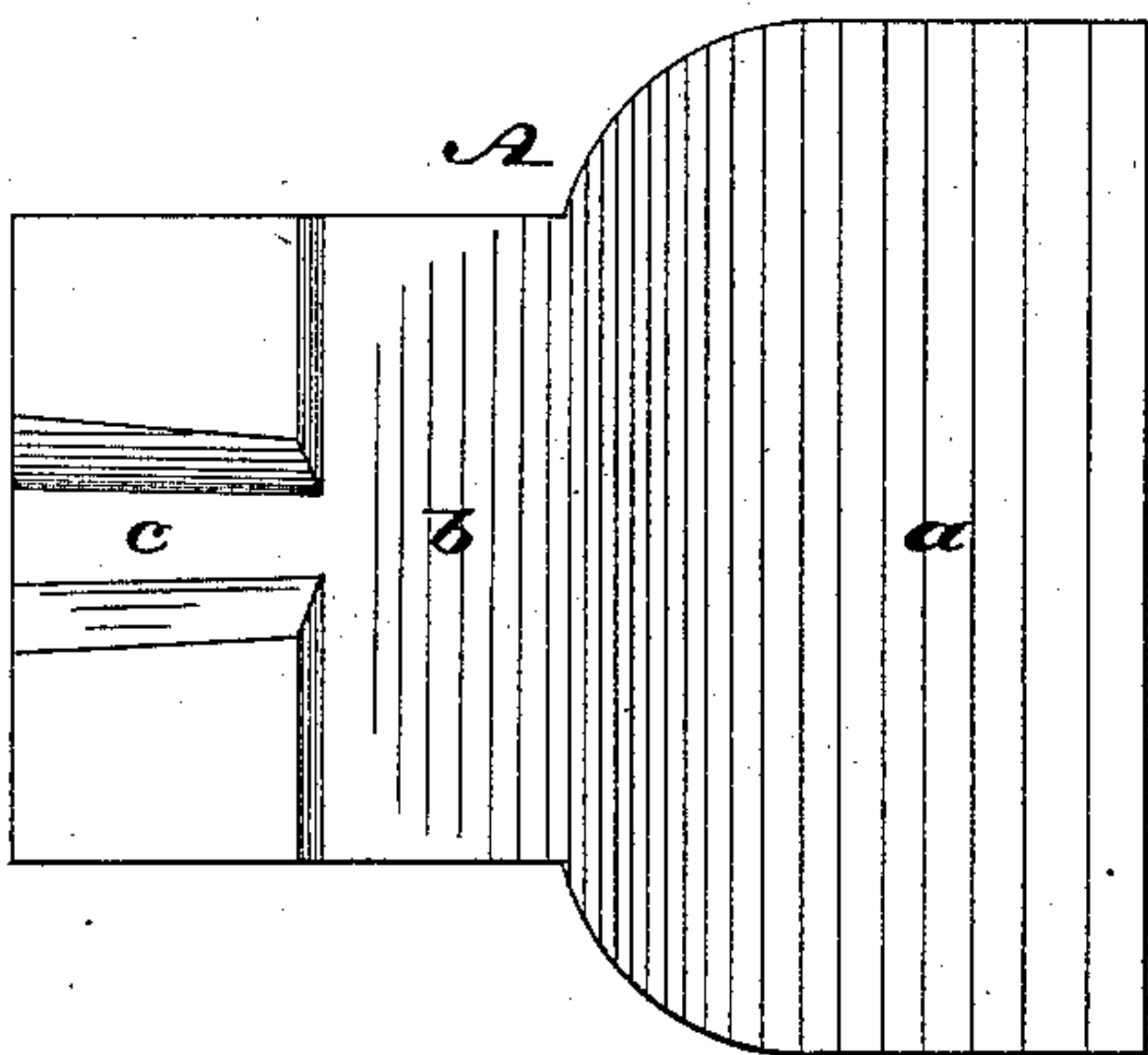


Fig. 4.

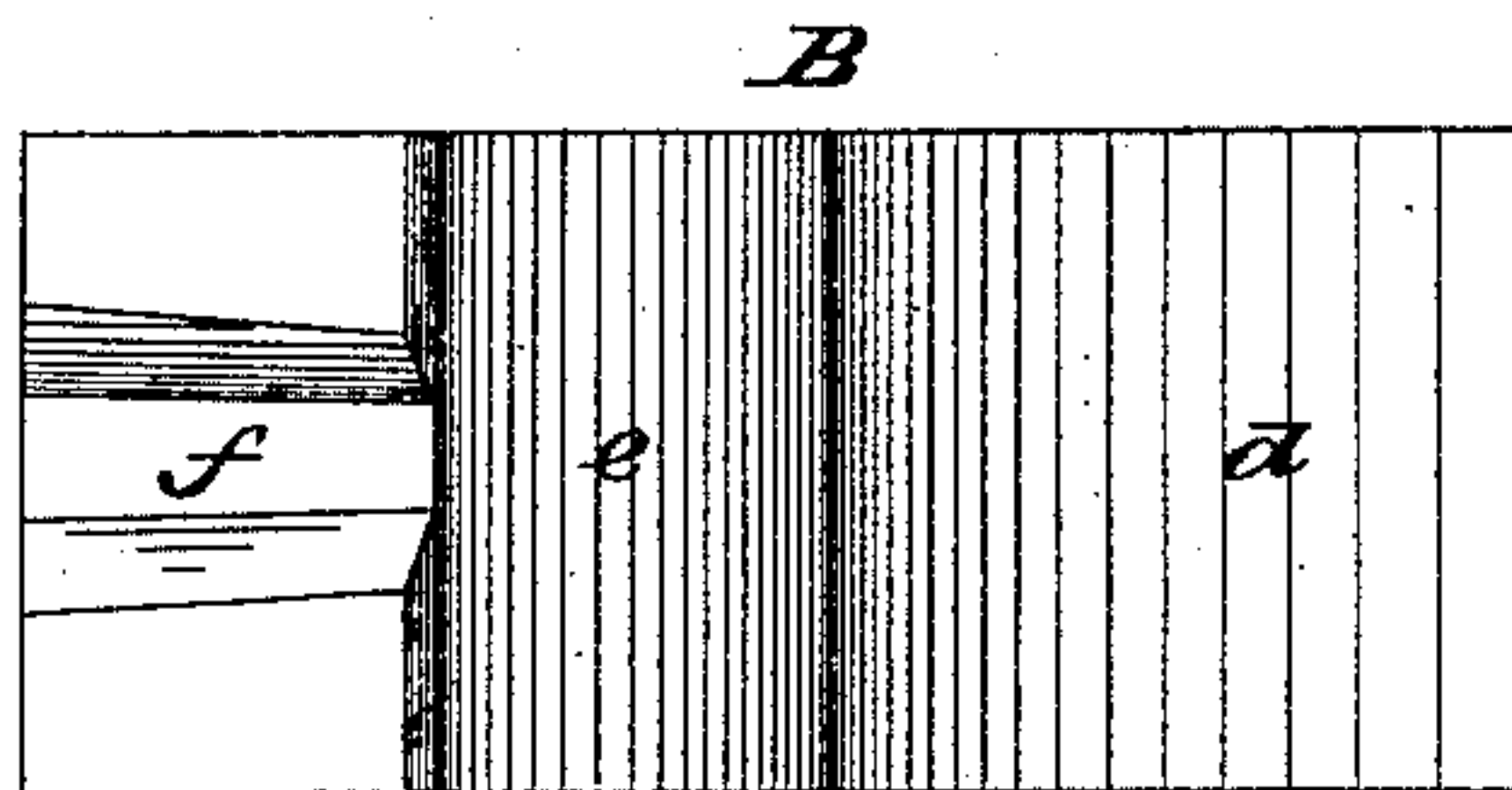
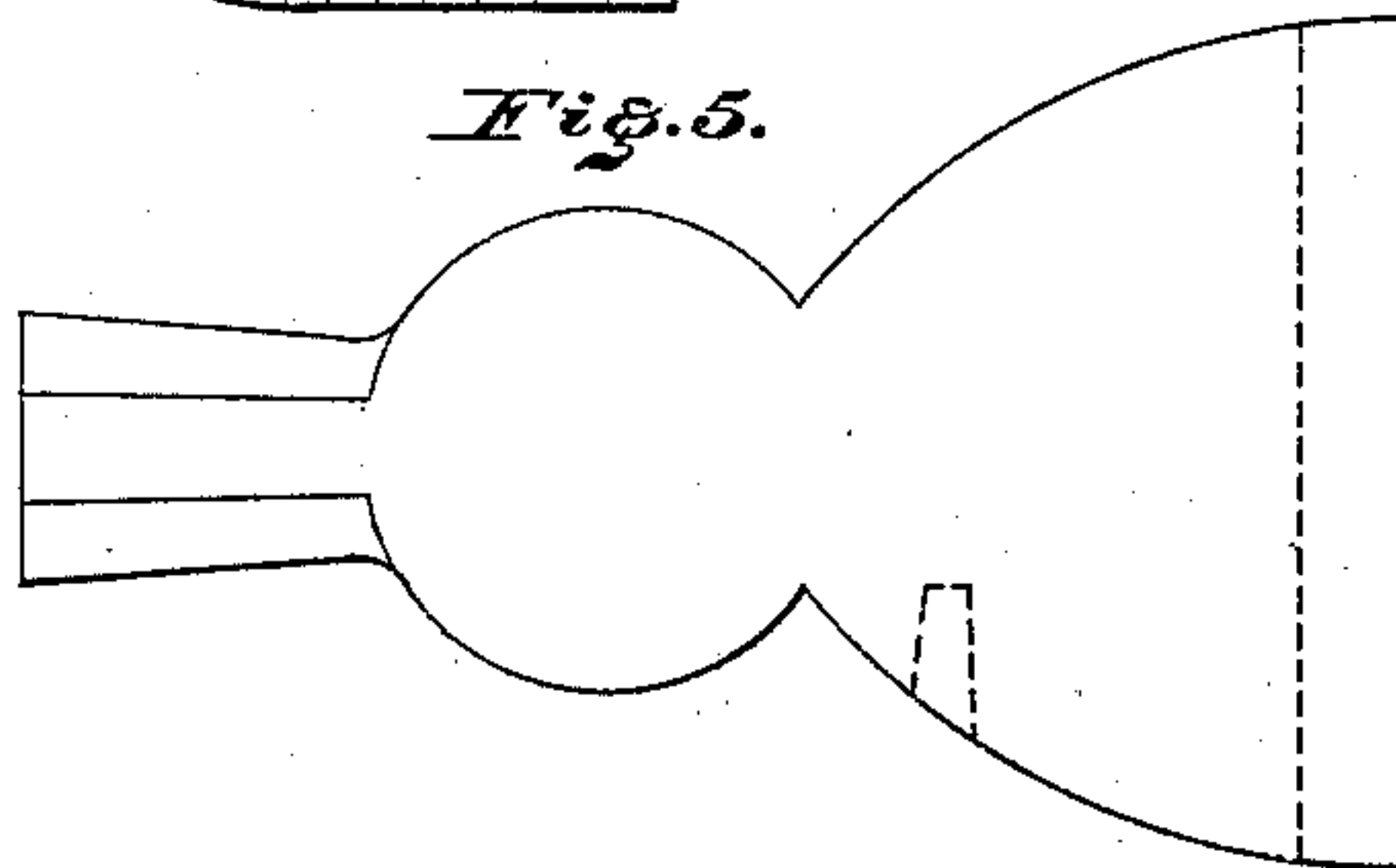


Fig. 5.



WITNESSES:

A. D. Grant,  
H. F. Kircher

INVENTOR:

George Selsor.

BY

John A. Federsheim  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

GEORGE SELSOR, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE  
GERMANTOWN TOOL WORKS, OF SAME PLACE.

## DIE FOR MAKING HATCHETS.

SPECIFICATION forming part of Letters Patent No. 318,312, dated May 19, 1885.

Application filed February 24, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE SELSOR, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in the Manufacture of Hatchets, which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figure 1 represents a partial side elevation and partial vertical section of one of the dies employed in the manufacture of hatchets embodying my invention. Fig. 2 represents a partial side elevation and partial vertical section of another die employed. Fig. 3 represents a face view of one of the dies of Fig. 1. Fig. 4 represents a face view of one of the dies of Fig. 2. Fig. 5 represents a side elevation of a hatchet after removal from the  
20 dies.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of the manufacture of hatchets by the employment of dies, whereby there is a saving of labor and expense and a uniformity of the product.

Referring to the drawings, A and B represent, respectively, two sets of dies embodying my invention. The working-faces of the dies  
30 A are of the contour of the sides of a hatchet, the parts *a* corresponding to the blade, the parts *b* to the eye, and the parts *c* to the head

or poll. The working-faces of the dies B are of the contour of what may be termed the "top and bottom" of a hatchet, the parts *d* 35 corresponding to the blade, the parts *e* to the eye, and the parts *f* to the head or poll.

A piece of metal is primarily forged or wrought to assume the general outlines of a hatchet, is placed successively between the  
40 dies A and B, or B and A, each set of dies being properly operated so as to close, whereby the metal is subjected to the action of said dies and the form of the working-faces imparted thereto, after which the shaped hatchet 45 may be ground and otherwise finished. It will be seen that by these means I am enabled to produce hatchets in an expeditious manner, thus saving time and expense, the same being uniform and of a superior nature. 50

I am aware that it is not new to use dies in forming axes, and such I do not claim.

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

The dies A B, having working-faces consisting of the parts *a b c* and *d e f*, conforming to the contour of the sides and top and bottom portions of a hatchet, substantially as described.

GEO. SELSOR.

Witnesses:

JOHN A. WIEDERSHEIM,  
A. P. GRANT.