

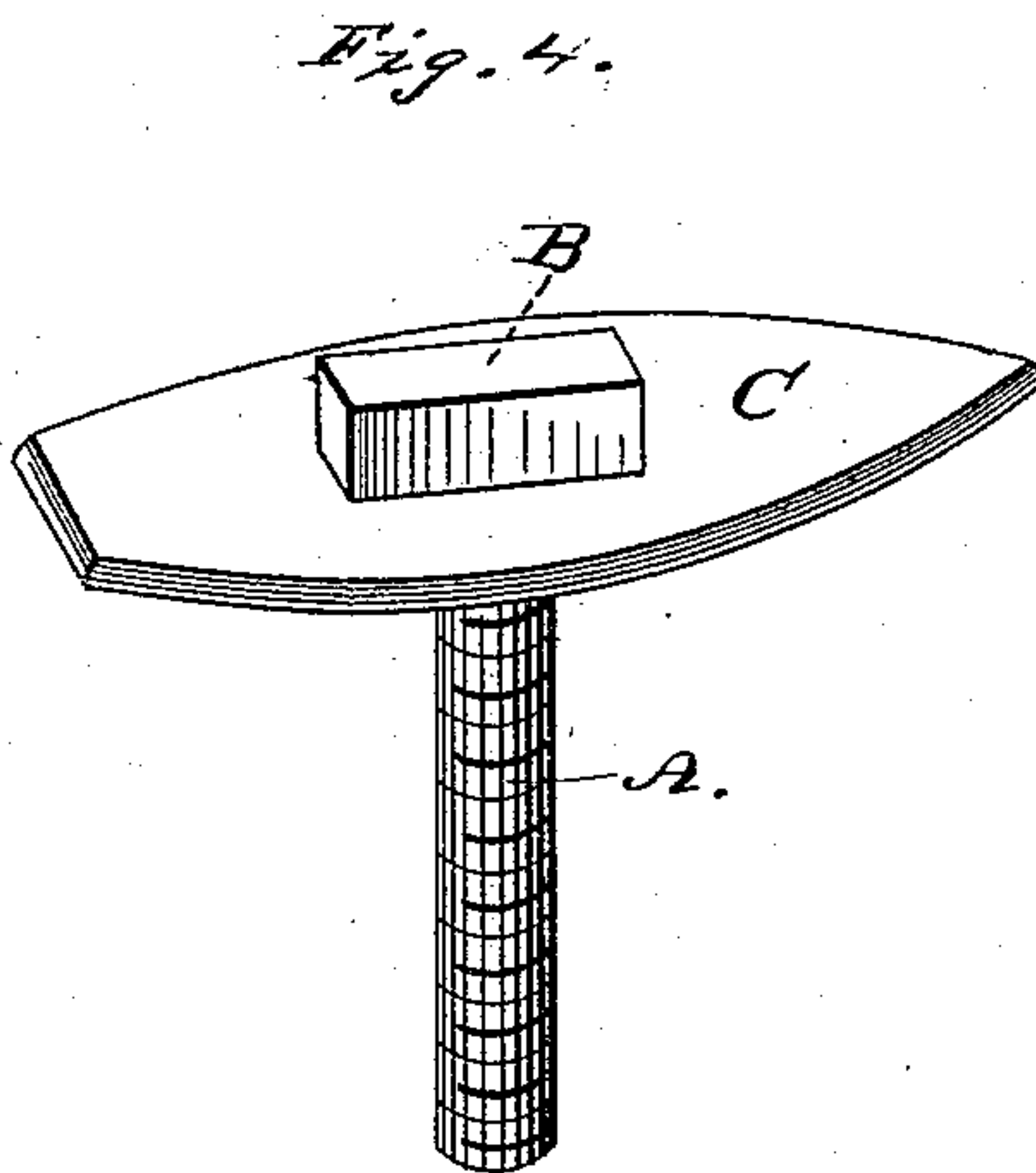
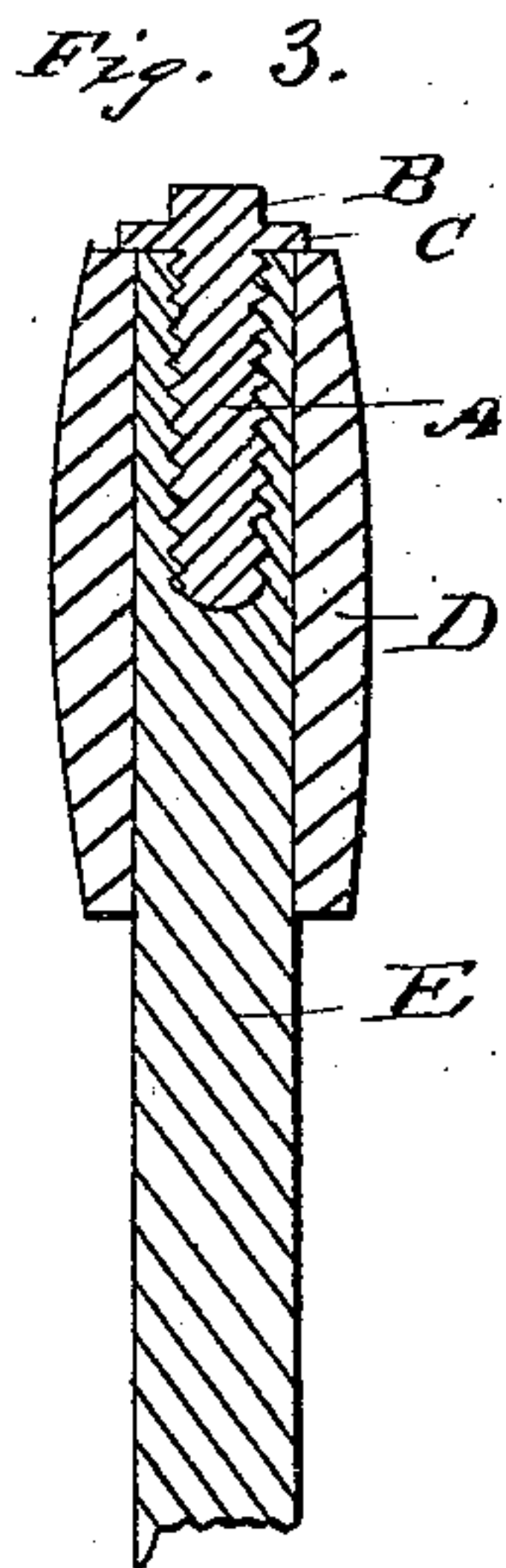
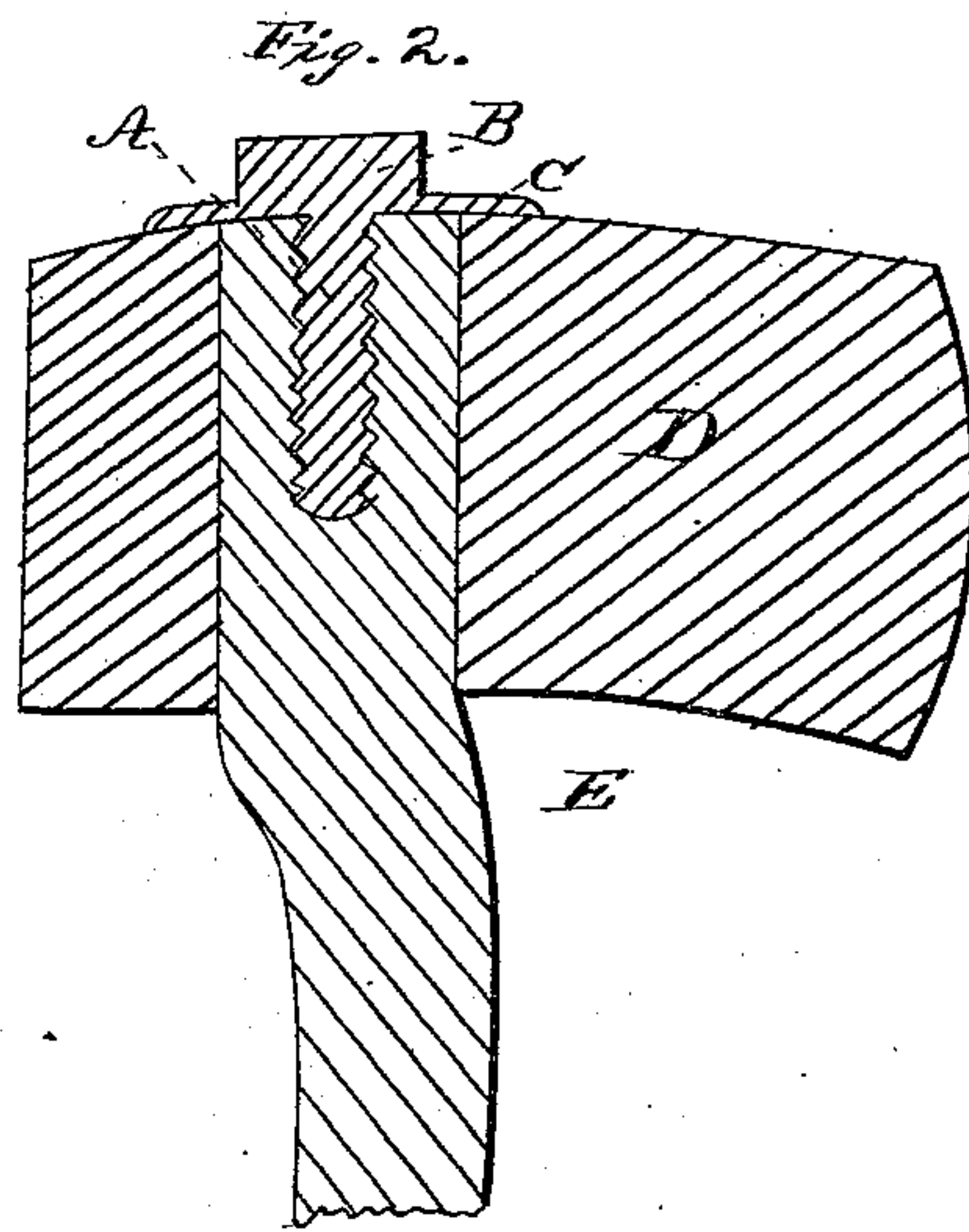
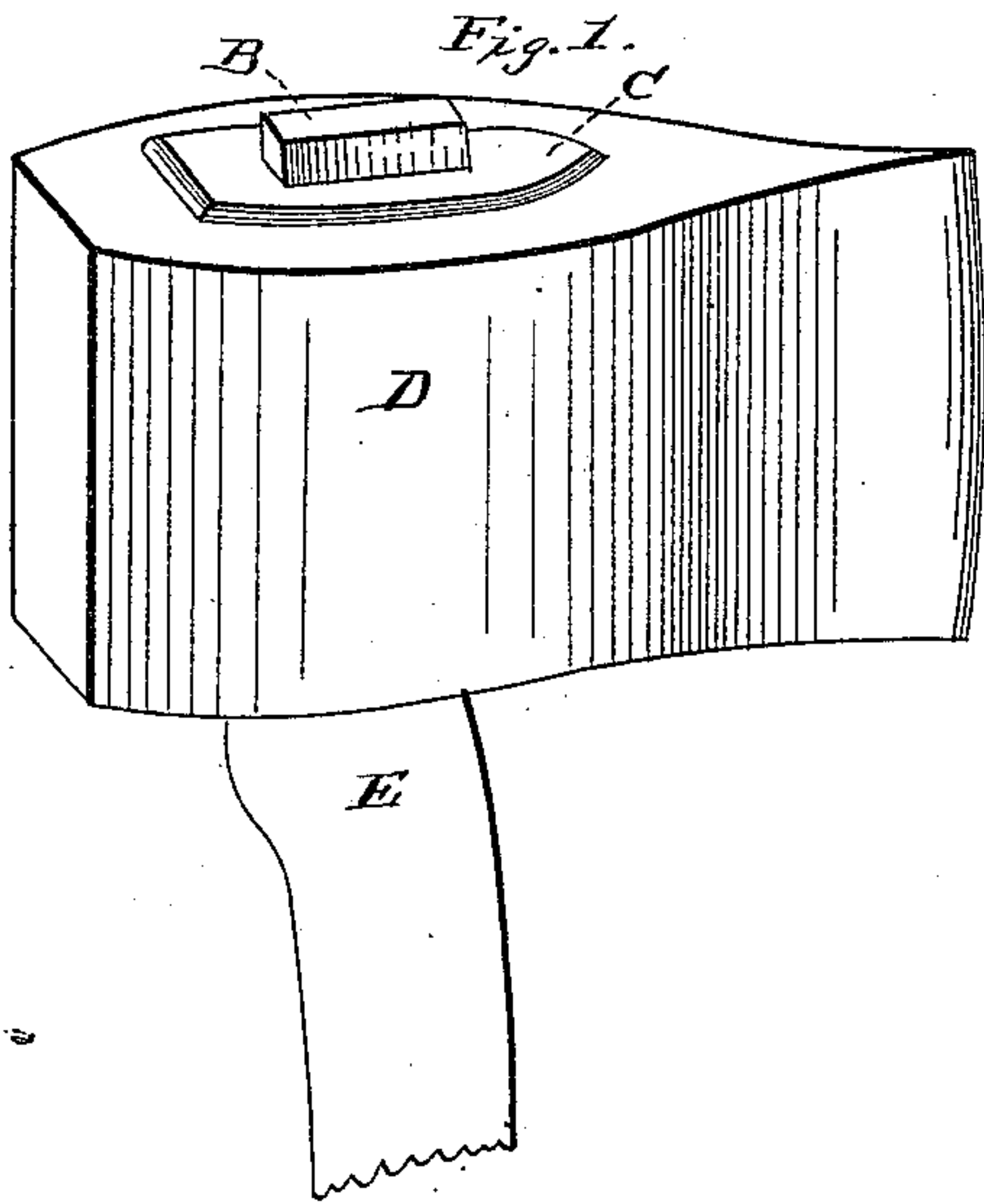
(No Model.)

T. A. SWEET.

FASTENING FOR TOOL HANDLES.

No. 291,956.

Patented Jan. 15, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS ALBERT SWEET, OF CAMBRIA, CALIFORNIA.

FASTENING FOR TOOL-HANDLES.

SPECIFICATION forming part of Letters Patent No. 291,956, dated January 15, 1884.

Application filed April 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. SWEET, a citizen of the United States, residing at Cambria, in the county of San Luis Obispo and State of California, have invented a new and useful Fastening for Tool-Handles, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to hammers, hatchets, and axes, and similar headed tools; and it has for its object to provide a simple and convenient fastening for holding the head securely in position upon the handle.

To this end it consists in the improved construction of the head-fastening device, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, Figure 1 is a perspective view of an ax equipped with my improvement. Fig. 2 is a vertical longitudinal view of the same. Fig. 3 is a sectional view taken transversely through the head of the ax, and Fig. 4 is a perspective view of the fastener detached.

The same letters refer to the same parts in all the figures.

A in the drawings represents a screw of sufficient dimensions to serve as a wedge or spreader. Said screw is provided at its upper end with a rectangular head, B, from the base of which projects an annular flange, C, forming a disk of an oval or oblong shape.

D represents the ax-head, which is secured

or fitted in the usual manner upon the end of the wooden handle E. Wooden wedges may, if desired, be employed to fasten it with some degree of security. This having been done, the screw A is screwed into the end of the handle within the eye of the ax until the flange C rests against the end of the head, which is thereby held securely in place. In inserting the screw it may be turned first by hand, the flange C forming a convenient hold. Later a wrench may be employed, which will readily take over the rectangular head B. When it has been screwed home, the flange C will not only hold the head from coming off, but will also prevent any tendency for the head to rock or vibrate upon the handle.

I claim and desire to secure by Letters Patent of the United States—

A device for securing tool-heads to their handles, the same consisting in the combination, with a handle having a screw-threaded socket at its outer end, of the screw-threaded shank A, having an integral, flat, annularly-extending top plate, C, from the outer face of which extends a rectangular projection, B, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS ALBERT SWEET.

Witnesses:

B. H. FRANKLIN,
WM. J. EVANS.