

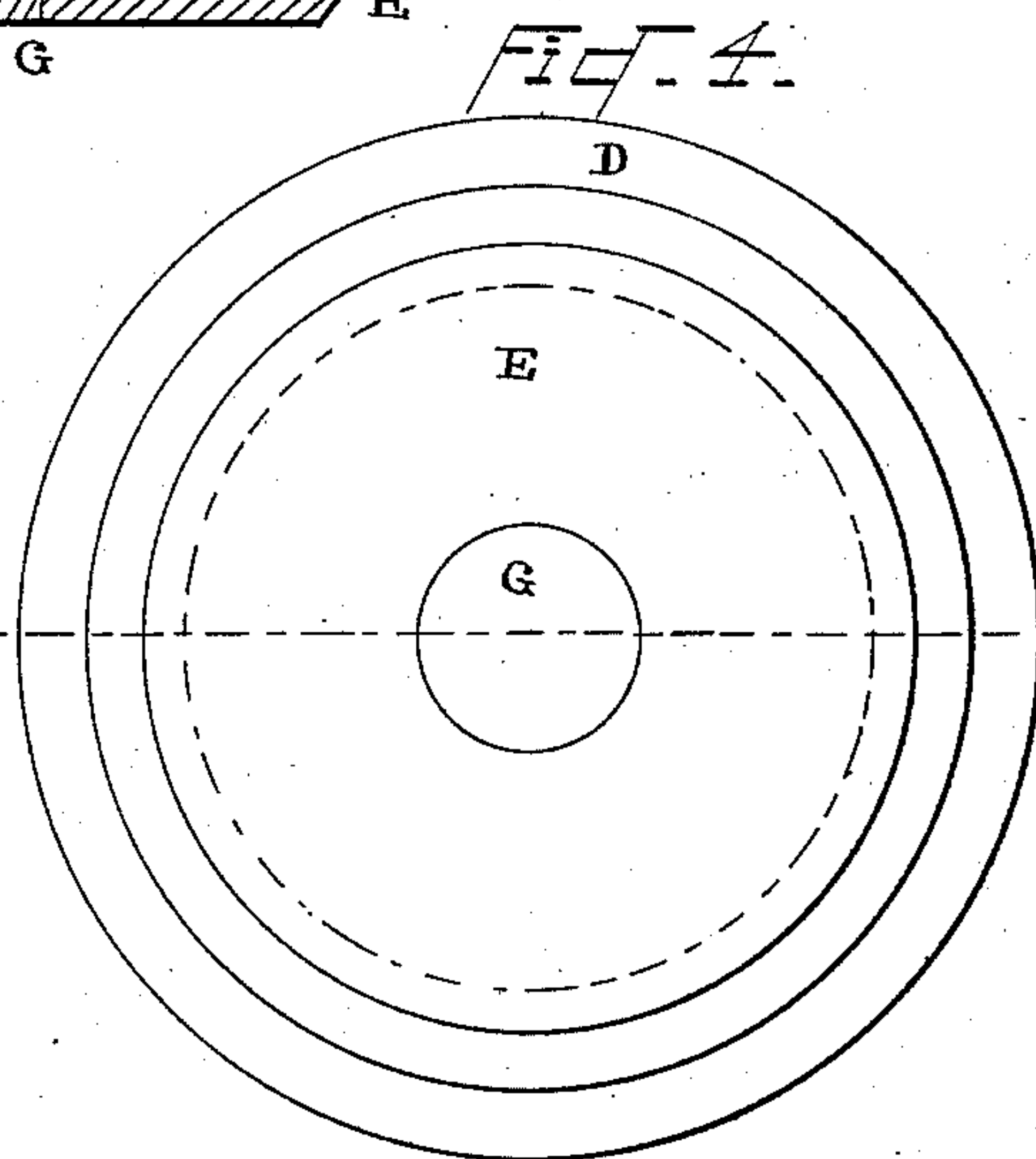
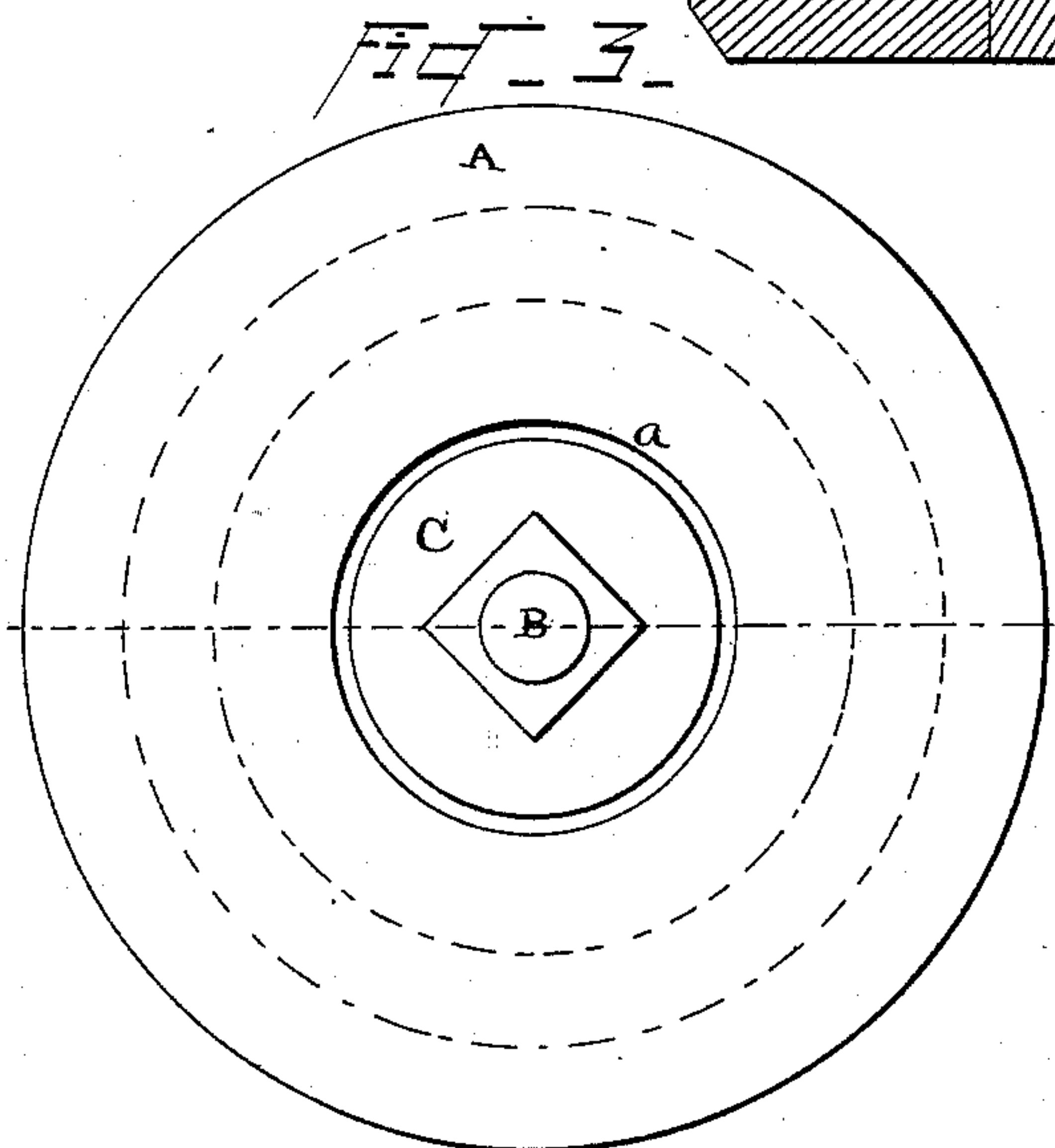
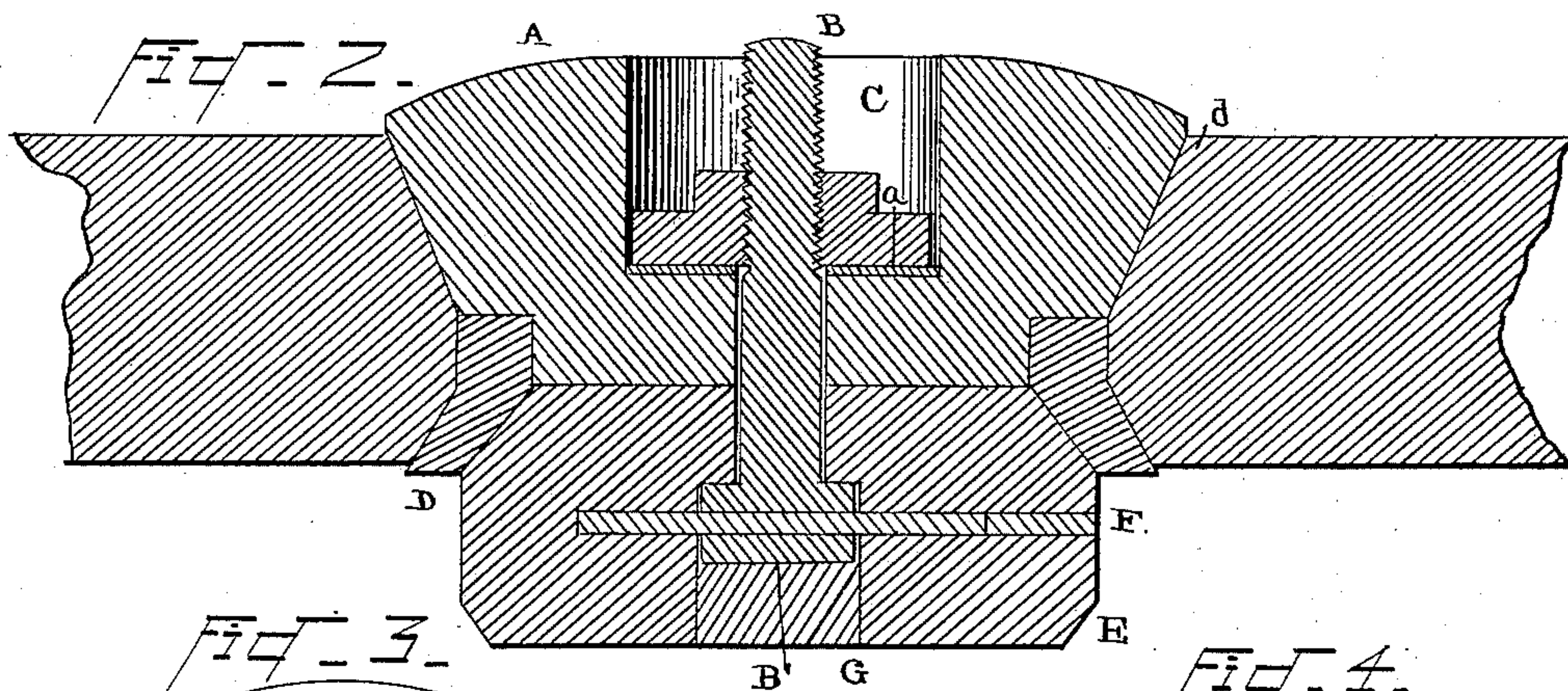
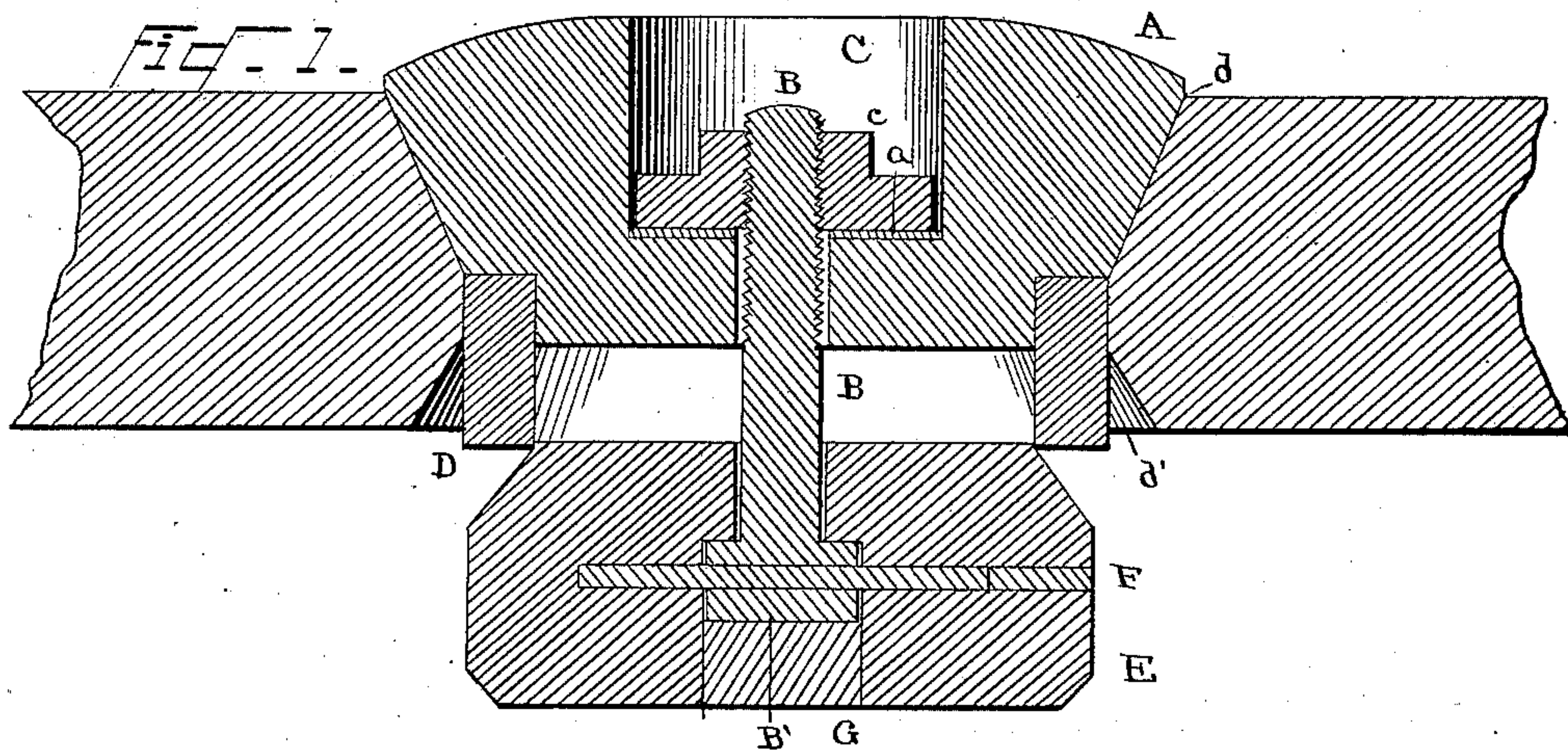
(No Model.)

A. RUST.

BUNG.

No. 364,188.

Patented May 31, 1887.



WITNESSES

Morris A. Clark

Charles Lincoln

INVENTOR

Armistead Rust,
per Harding & Tichenor
Attorneys.

UNITED STATES PATENT OFFICE.

ARMISTEAD RUST, OF THE UNITED STATES NAVY.

BUNG.

SPECIFICATION forming part of Letters Patent No. 364,188, dated May 31, 1887.

Application filed January 14, 1887. Serial No. 224,372. (No model.)

To all whom it may concern:

Be it known that I, ARMISTEAD RUST, naval cadet, United States Navy, serving on board the United States flagship Tennessee, a citizen of the United States, have invented a new and useful Bung for Barrels, Casks, and other Similar Vessels, of which the following is a specification.

This invention relates to certain improvements in bungs for barrels, casks, and other vessels; and it has for its objects to provide a bung which, when properly secured in the opening of the vessel, cannot be forced out by pressure from within and cannot be forced inward by outward pressure, while at the same time it can be readily removed, when desired, and will make a perfectly gas-tight seal when in place, as more fully specified hereinafter. These objects I attain by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a sectional view of a barrel and my improved bung, showing the same seated in the opening and ready to be secured therein to seal the same. Fig. 2 represents a similar view, showing the bung secured to its seat. Fig. 3 represents a top view of the bung, and Fig. 4 a bottom view of the same.

Referring to the drawings, the letter A indicates the body of the bung, which may be constructed of any suitable material, preferably, however, of wood.

The body A is formed in the shape, substantially, of a truncated cone, and has a central recess, C, in its upper end, for the purpose hereinafter described. The lower end of said body is provided with an annular rabbet, in which is secured an elastic skirt, D, and it has also a central aperture, through which extends a threaded bolt, B, having a head, B', at its lower end. The said bolt at its upper end has a polygonal-headed nut, e, screwed upon it, the nut being located in the recess C, so as to be out of the

way. Between the nut and its seat is interposed an annular washer, a, to form a secure bearing, which will not wear readily.

The letter E indicates a wooden plug, which is also a truncated cone and which has a central recess, G, below, in which the head B' of the bolt is located. The plug is confined to the head by means of a pin, F, passing through openings in the plug and head.

The aperture in the barrel, cask, or vessel is beveled or chamfered or countersunk, both on the outside and inside, as indicated by the letters d and d', the outer beveled portion forming a seat for the beveled portion of the truncated bung, as shown in Figs. 1 and 2 of the drawings, and the inner beveled portion of the opening a seat for the skirt D when expanded.

The operation of my invention will be readily understood in connection with the above description, and is as follows: The bung with the parts in position, as shown in Fig. 1 of the drawings, is inserted in the opening in the barrel or cask, the truncated body seating itself in the outer beveled portion of said opening. The polygonal nut is then turned by means of a suitable key, so as to draw the truncated plug into the tubular skirt and bind it against the inner beveled portion of opening, thus securing the bung against inward or outward movement and making an air-tight seal.

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

The combination, with a barrel, cask, or vessel having an inwardly and outwardly chamfered opening, of the truncated bung-body, the truncated plug, the tubular elastic skirt, and the clamping screw and nut, whereby the bung is secured to its seat, substantially as specified.

ARMISTEAD RUST.

Witnesses:

ALBERT BURNSTINE,
W. W. GILMER.