

(No Model.)

B. RUBENSTEIN.
BUNG BUSHING AND STOPPER.

No. 541,122.

Patented June 18, 1895.

Fig. 1.

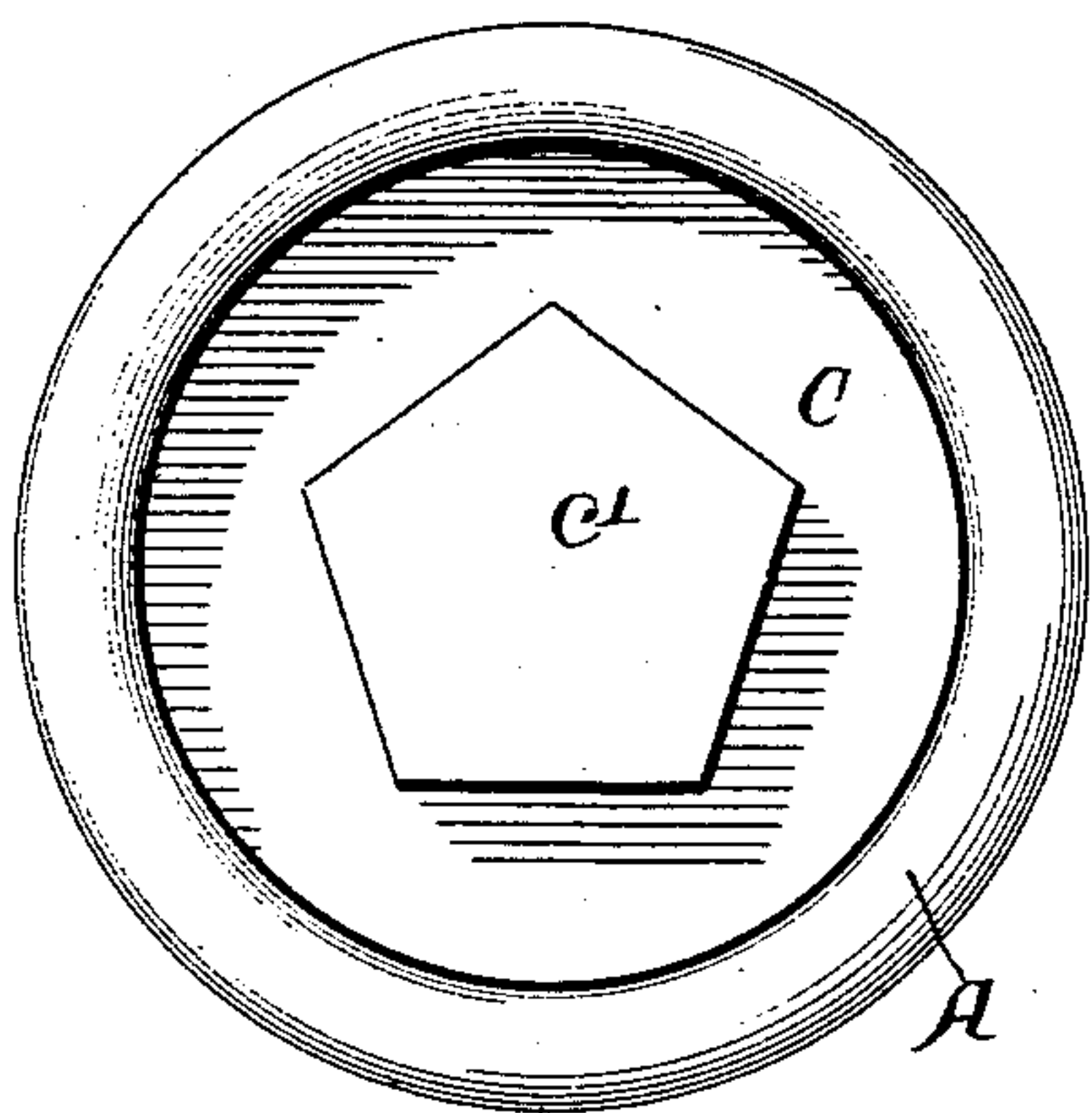


Fig. 2.

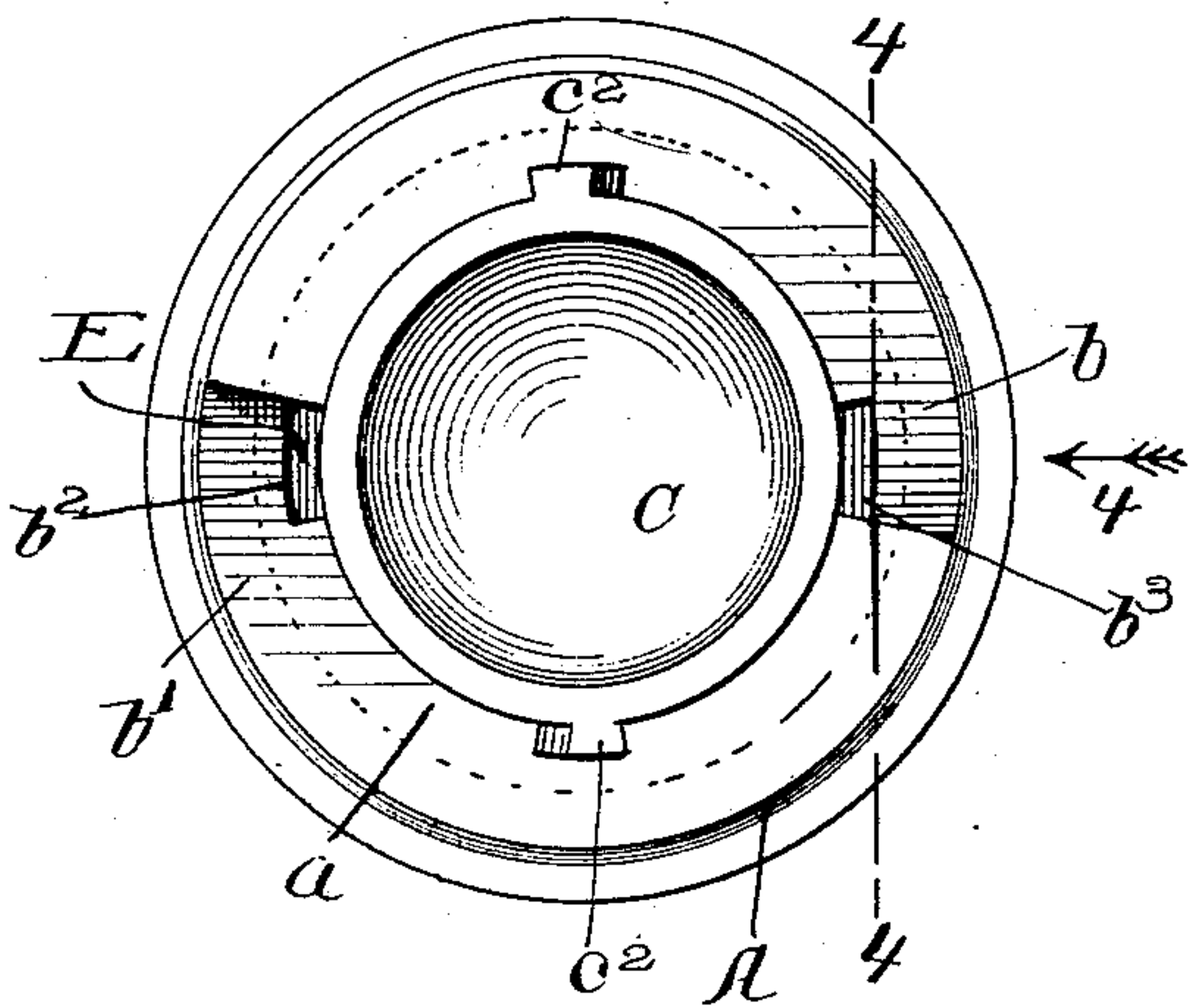


Fig. 3.

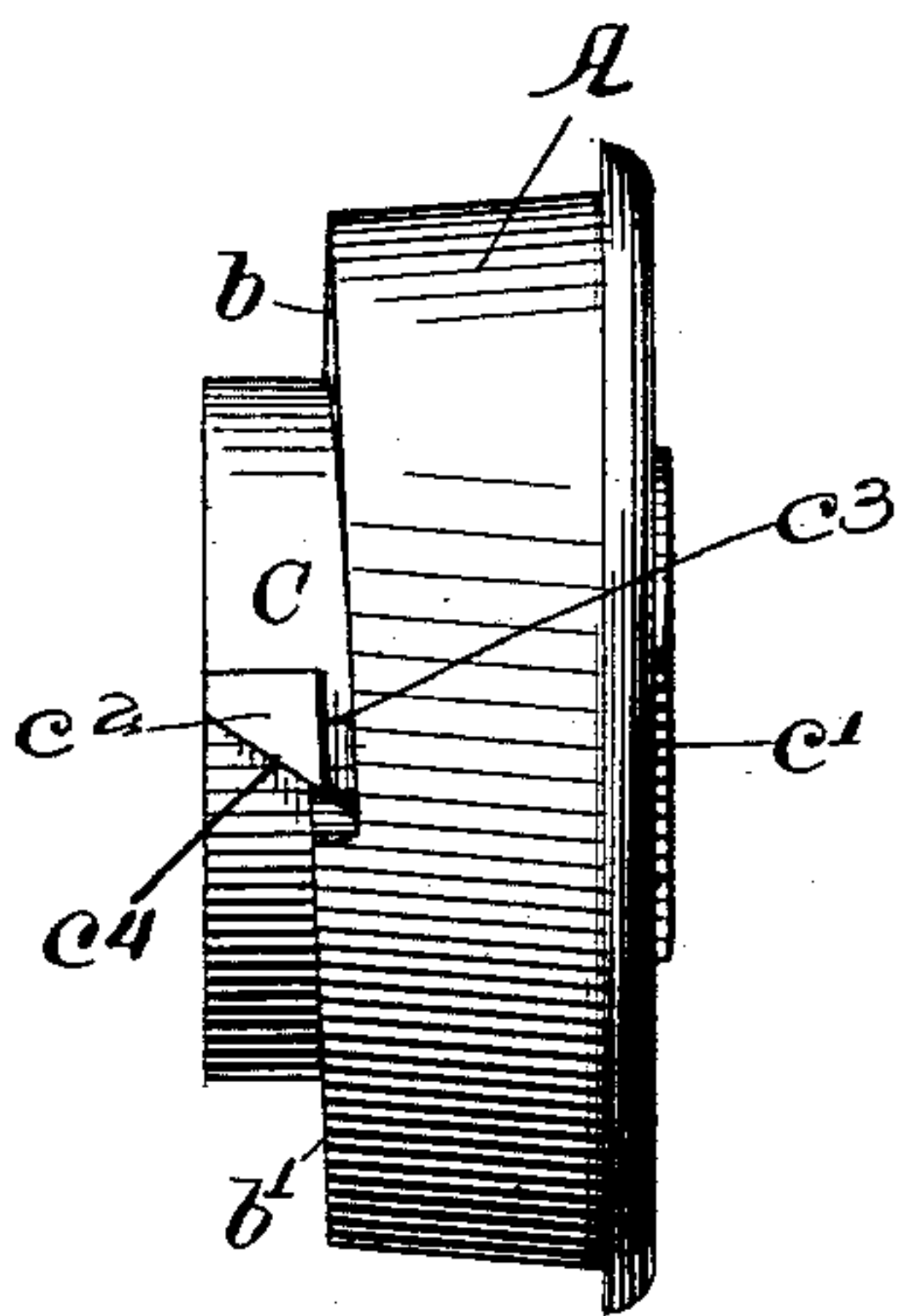
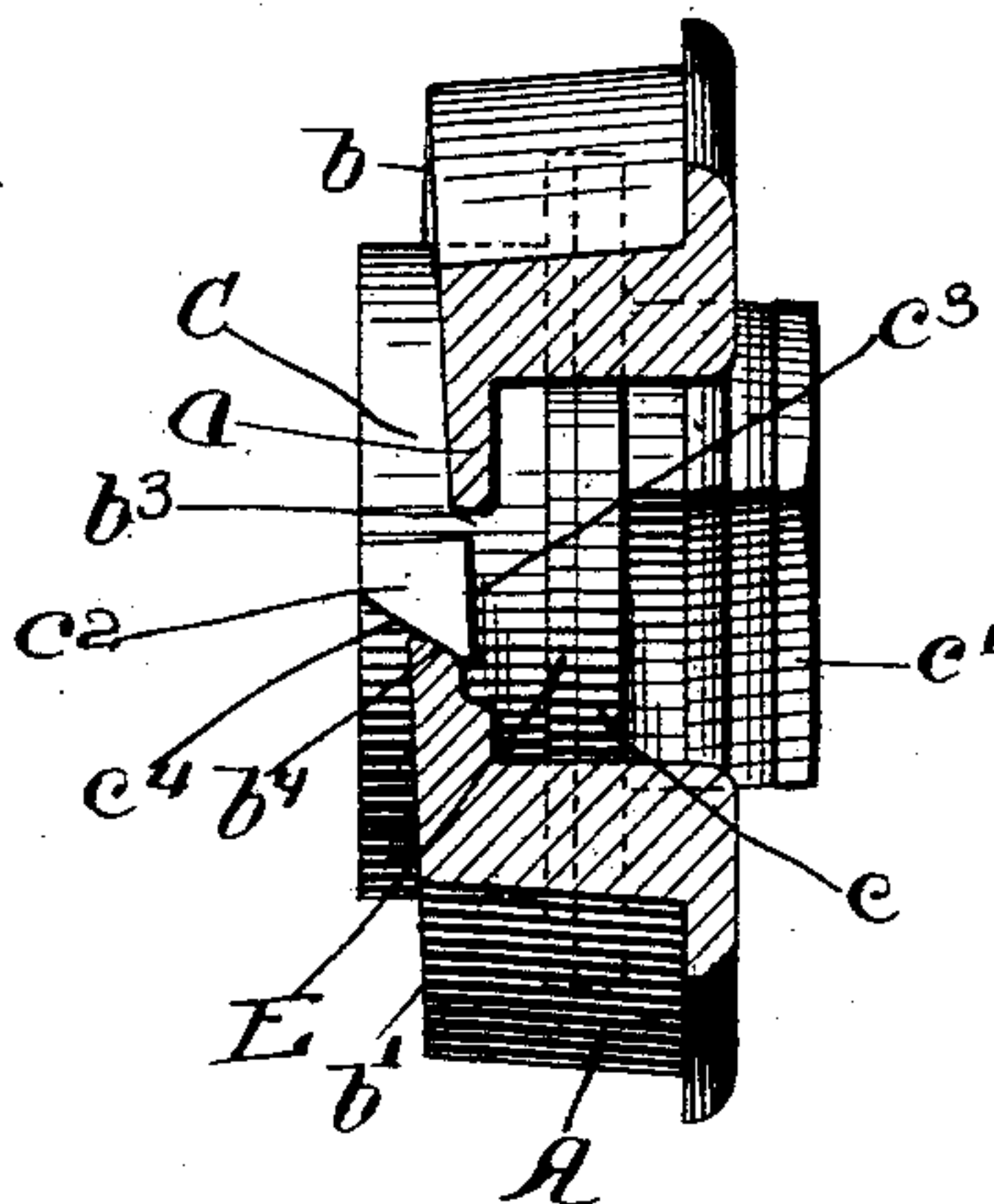


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

BARNET RUBENSTEIN, OF CHICAGO, ILLINOIS.

BUNG BUSHING AND STOPPER.

SPECIFICATION forming part of Letters Patent No. 541,122, dated June 18, 1895.

Application filed October 8, 1894. Serial No. 525,215. (No model.)

To all whom it may concern:

Be it known that I, BARNET RUBENSTEIN, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Bung Bushings and Stoppers, of which the following is a specification.

My invention relates to a new and improved bushing for barrels or casks together with a stopper adapted for use in connection therewith.

The invention is illustrated in the drawings by means of four figures, of which—

Figure 1 is a plan of the bushing and stopper. Fig. 2 is an under plan. Fig. 3 is a side elevation; and Fig. 4 is a section on line 4 4 of Fig. 2, looking in the direction of the arrow 4 in said figure, the stopper being given a quarter turn from the position seen in Fig. 2 to bring one of the locking-lugs into the plane of the section.

The bushing here shown consists of an annular portion, A, adapted for insertion in the bung of a barrel and having at its lower end an inwardly projecting flange, *a*, provided with a series of inclines, *b*, *b'*, upon its under surface, and a series of notches, *b*², *b*³, about its inner margin. One of these notches is shown in section at Fig. 4, and has the edge, *b*⁴, beveled off to form an upward incline. The plug is shown as consisting of a body, C, small enough to pass through the flange, *a*, an outwardly projecting flange, *c*, about the upper portion of said body and adapted to rest upon the flange, *a*, and a five sided head, *c'*, projecting upward from the middle portion of the body. From the lower portion of said

body a series of lugs, *c*², project radially provided with upper surfaces, *c*³, adapted to engage with the inclines, *b*, *b'*, and with beveled sides *c*⁴, opposed to the beveled edges, *b*⁴, of the flange.

In operation the plug or stopper is inserted in the bushing and turned toward the right until the lugs, *c*², drop through the notches, *b*², *b*³, and then the same motion is continued until the lugs are tightened upon the inclines on the under side of the bushing. A washer, E, may be interposed between the flange upon the bushing and the flange upon the collar to make a tight joint. When it is desirable to remove the stopper it is turned in the opposite direction, bringing the beveled edges, *c*⁴, *b*⁴, together when the lugs slide up the inclines raising the stopper from the bushing. The head is made five sided so that if an ordinary wrench is applied to it, the same will slip around upon the head without turning it. The purpose of this is to prevent the opening of the cask or barrel by others than the proper persons. The latter are provided with a wrench to fit the head.

I claim as new and desire to secure by Letters Patent—

The combination with the bushing, A, having the inwardly projecting flange, *a*, containing the notches, *b*², *b*³, inclines, *b*, *b'*, of the stopper, C, having the flange, *c*, and the lugs, *c*², provided with the inclined sides, *c*⁴; substantially as described.

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Witnesses:

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