

(No Model.)

H. C. STROUT.
BARREL CLOSURE.

No. 442,923.

Patented Dec. 16, 1890.

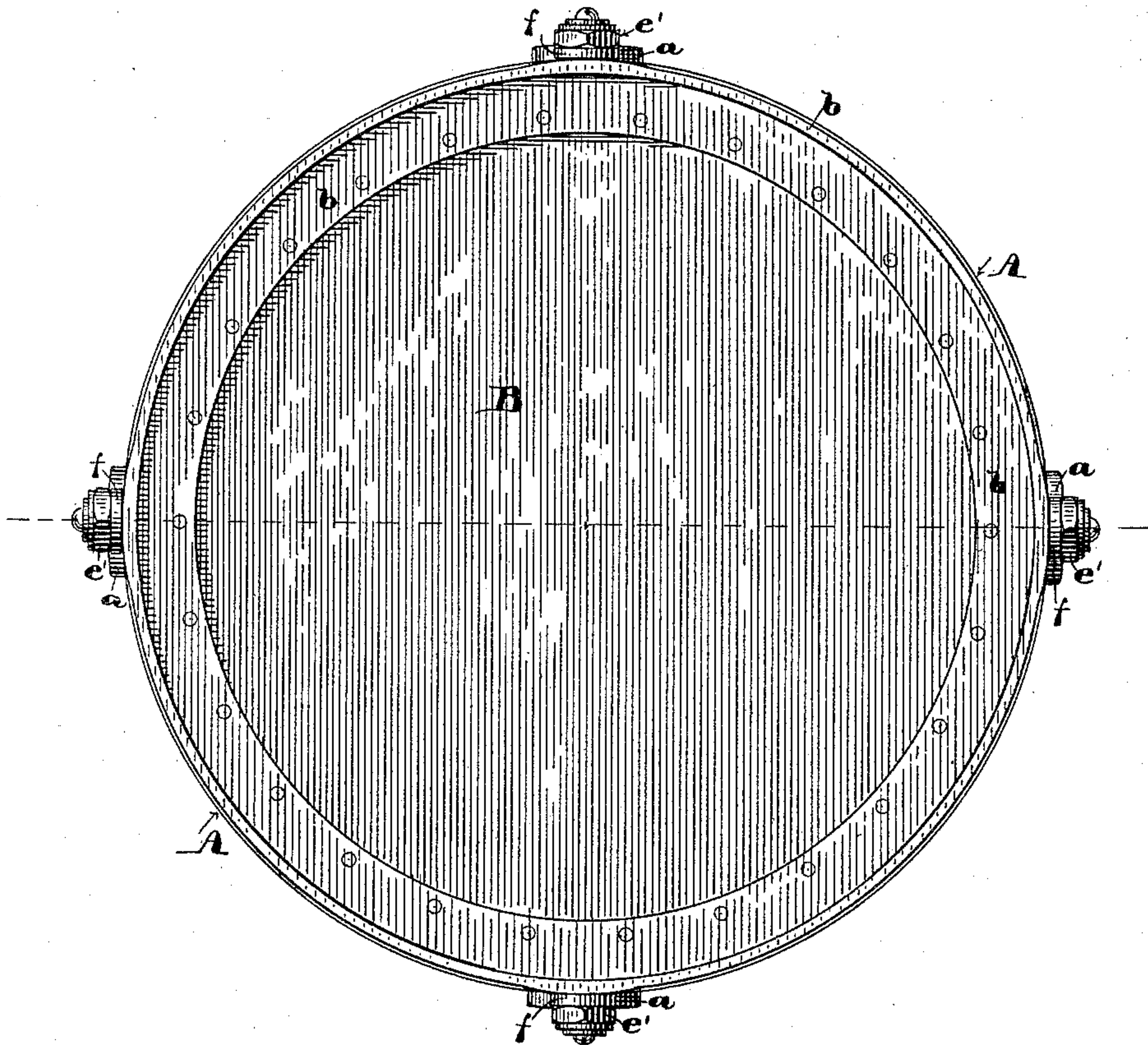


Fig. 1.

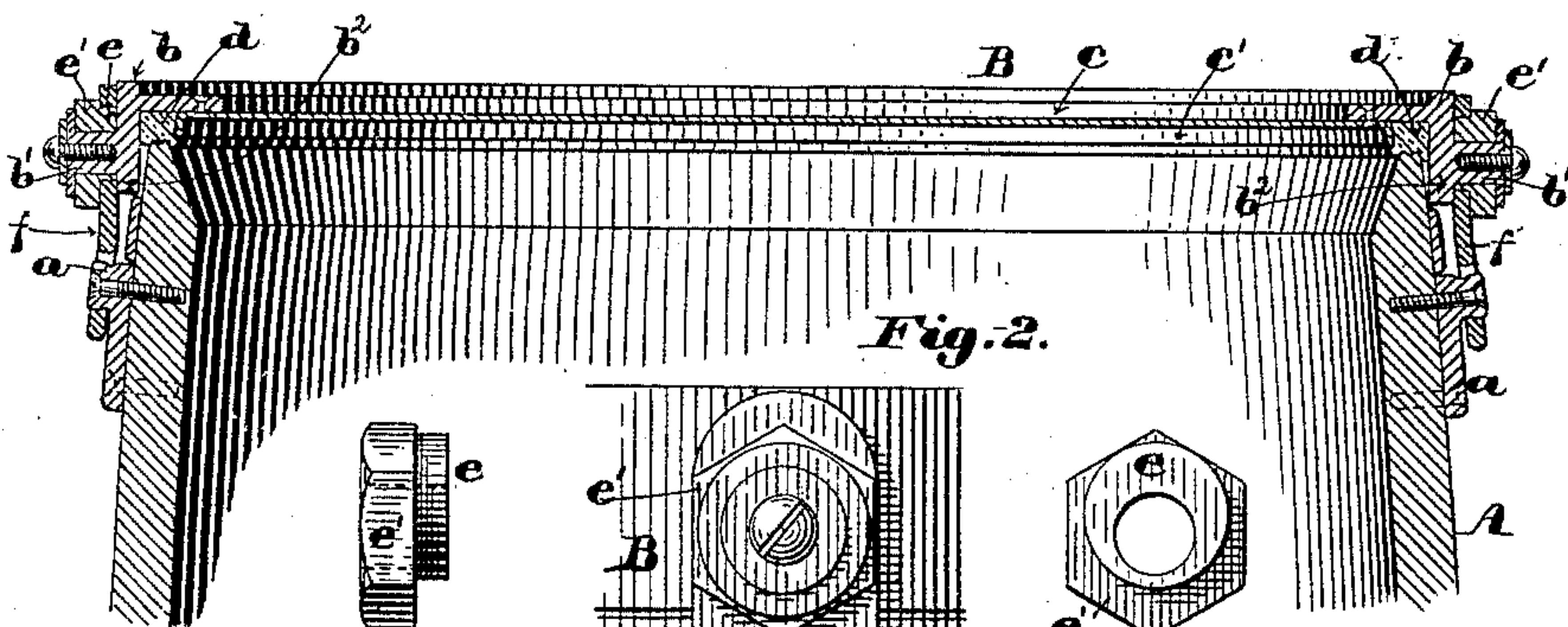


Fig. 2.



Fig. 3.

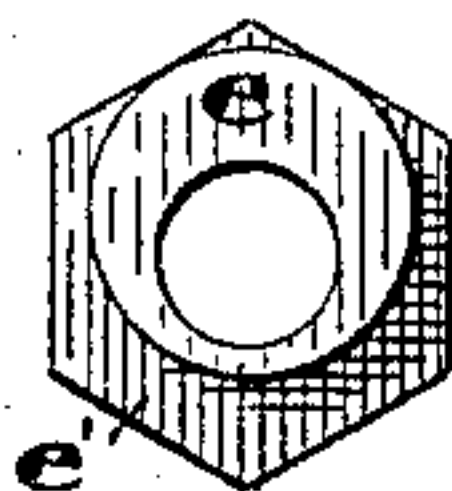


Fig. 4.

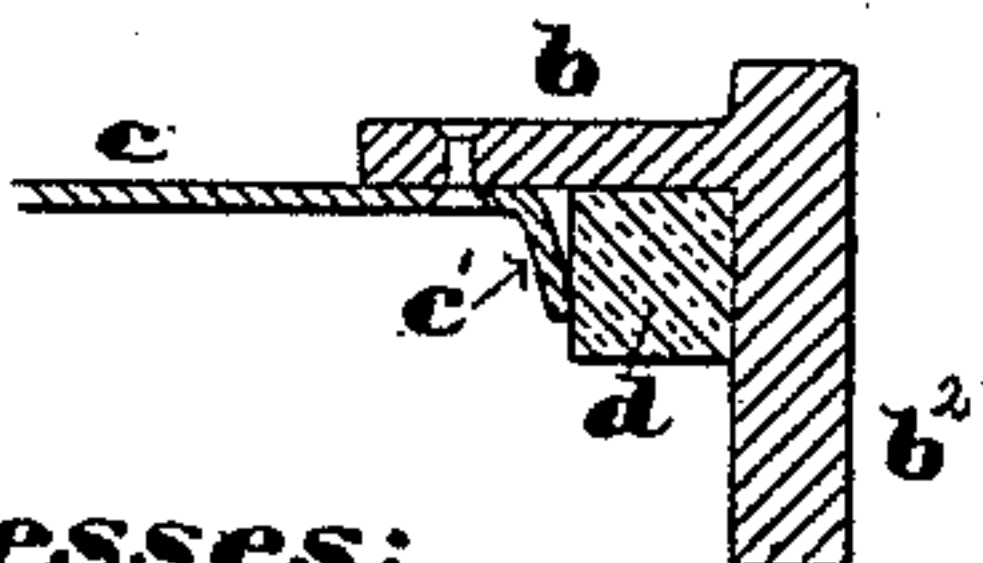


Fig. 5.

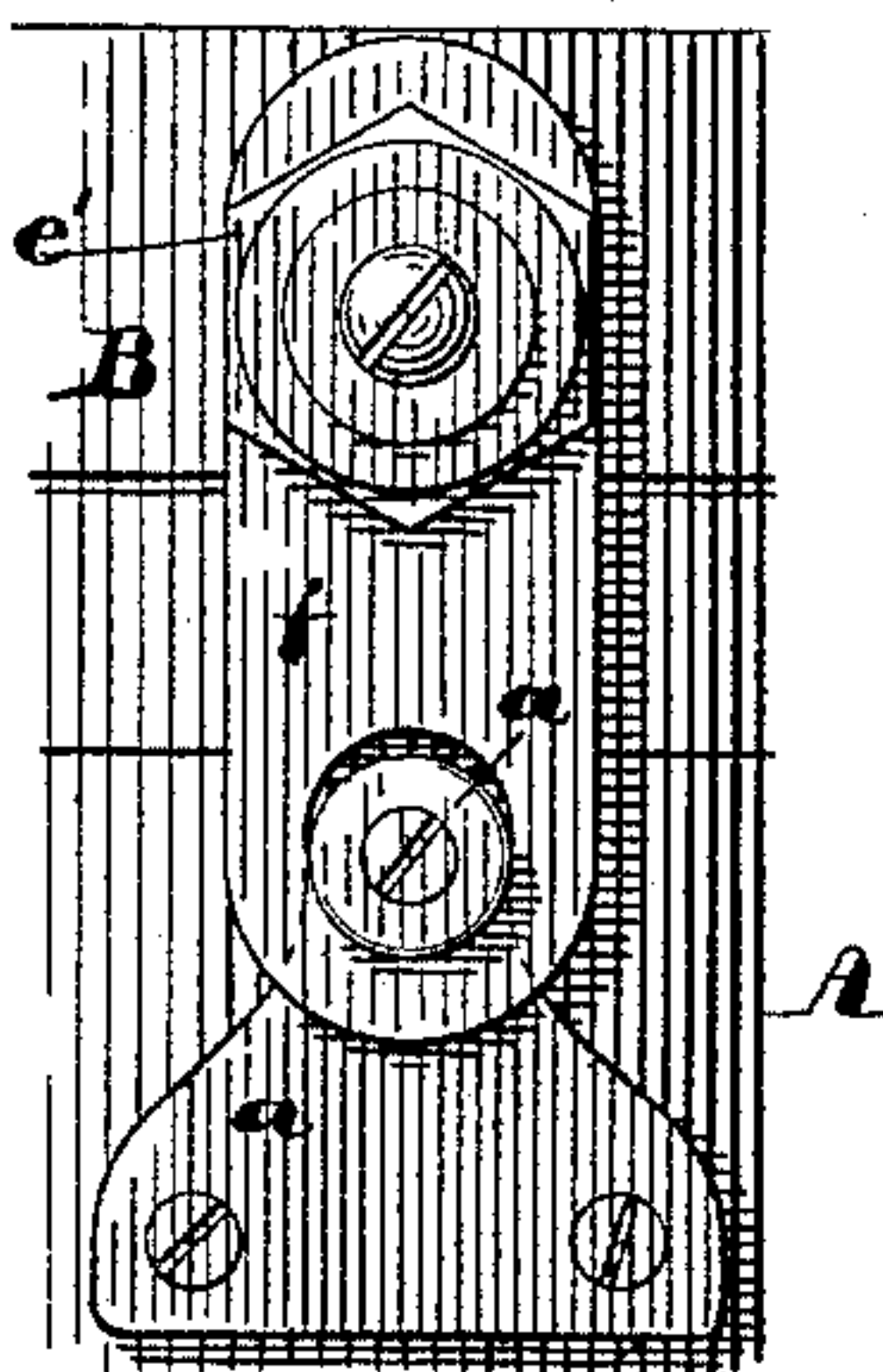


Fig. 6.

Witnesses:
Walter E. Lombard.
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UNITED STATES PATENT OFFICE.

HARVEY C. STROUT, OF PEABODY, MASSACHUSETTS.

BARREL-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 442,923, dated December 16, 1890.

Application filed September 24, 1890. Serial No. 365,996. (No model.)

To all whom it may concern:

Be it known that I, HARVEY C. STROUT, of Peabody, in the county of Essex and State of Massachusetts, have invented certain new and
5 useful Improvements in Barrel-Closures, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to barrel-closures; and
10 it consists in certain novel features of construction, arrangement, and combination of parts, which will be readily understood by reference to the description of the drawings, and to the claim hereinafter given, and in
15 which my invention is clearly pointed out.

Figure 1 of the drawings is a plan of a barrel illustrating my invention. Fig. 2 is a partial central vertical section of the same. Fig. 3 is an elevation of one of the fastening devices and small portions of the barrel and cover contiguous thereto. Fig. 4 is an inside elevation of one of the eccentrics. Fig. 5 is an edge view of the eccentric, and Fig. 6 is a partial vertical section of the cover and the
25 rubber gasket, drawn to an enlarged scale.

In the drawings, A is the body of the barrel, of any well-known construction, having secured to its outer surface, near one end thereof, a series of lugs *a*, arranged at equal
30 distances from each other.

One end of the barrel A is provided with a removable head B, composed of the cast-metal angular ring *b*, having formed upon its outer periphery a series of outwardly-projecting studs *b'* at equal distances from each other and corresponding in number to the number of lugs *a* on the barrel, and the sheet-metal circular disk *c*, firmly riveted to the ring *b* and having a portion of its outer border *c'*
35 turned downward into a position slightly oblique to the inner face of the downwardly-projecting annular lip *b²* of the ring *b*, and at such a distance therefrom as to enable the rubber gasket *d* to be inserted between said
45 lip *b²* and the oblique lip *c'*, as shown in Figs. 2 and 6. Upon each of the studs *b'* is mounted an eccentric *e*, so as to be revoluble thereon, and held in place thereon by a suitable washer and screw, said eccentric being provided with
50 the hexagonal collar *e'* or other suitable means

of rotating the same when desired. Each of the eccentrics *e* has mounted thereon and depending therefrom a link *f*, having an opening near its lower end to receive the lug *a*, as shown in Figs. 2 and 3.

The rubber gasket *d* is preferably made square in cross-section and of a diameter in its normal condition somewhat less than the diameter of the lower edge of the inclined lip *c'*, so that when placed in position around said
60 lip its elasticity will retain it in position when the cover is removed from the barrel.

The operation of my invention is as follows: The cover B being complete, with the links *f* and eccentrics affixed thereto and the gasket *d* in position on the lip *c'*, and it being desired to close the barrel, the head B is placed in position, the lower ends of the several links *f* are slipped over the lugs *a*, the eccentrics being in the positions with their largest radii
70 downward for that purpose, and then the eccentrics are successively rotated a half-revolution, when the barrel will be closed liquid-tight and ready for transportation.

What I claim as new, and desire to secure
75 by Letters Patent of the United States, is—

In a barrel-closing device, the combination, with a barrel having only one fixed head, of a removable cover composed of an annular ring having an angular cross-section, and a
80 sheet-metal disk having an annular oblique lip turned around its periphery, said disk being firmly secured to said angular ring by riveting, a rubber gasket surrounding said oblique lip, a series of lugs secured to the exterior of the barrel, a like number of eccen-
85 trics mounted upon and carried by said angular ring, and a series of links, each connecting one of said eccentrics with one of said lugs, whereby by partially rotating said eccen-
90 trics said cover may be secured to said barrel with a liquid-tight joint.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 22d day of Sep-
95 tember, A. D. 1890.

H. C. STROUT.

Witnesses:

N. C. LOMBARD,
LOUIS COTE.