

(No Model.)

2 Sheets—Sheet 1.

A. E. SCHATZ.

VENT BUNG.

No. 267,598.

Patented Nov. 14, 1882.

Fig. 1.

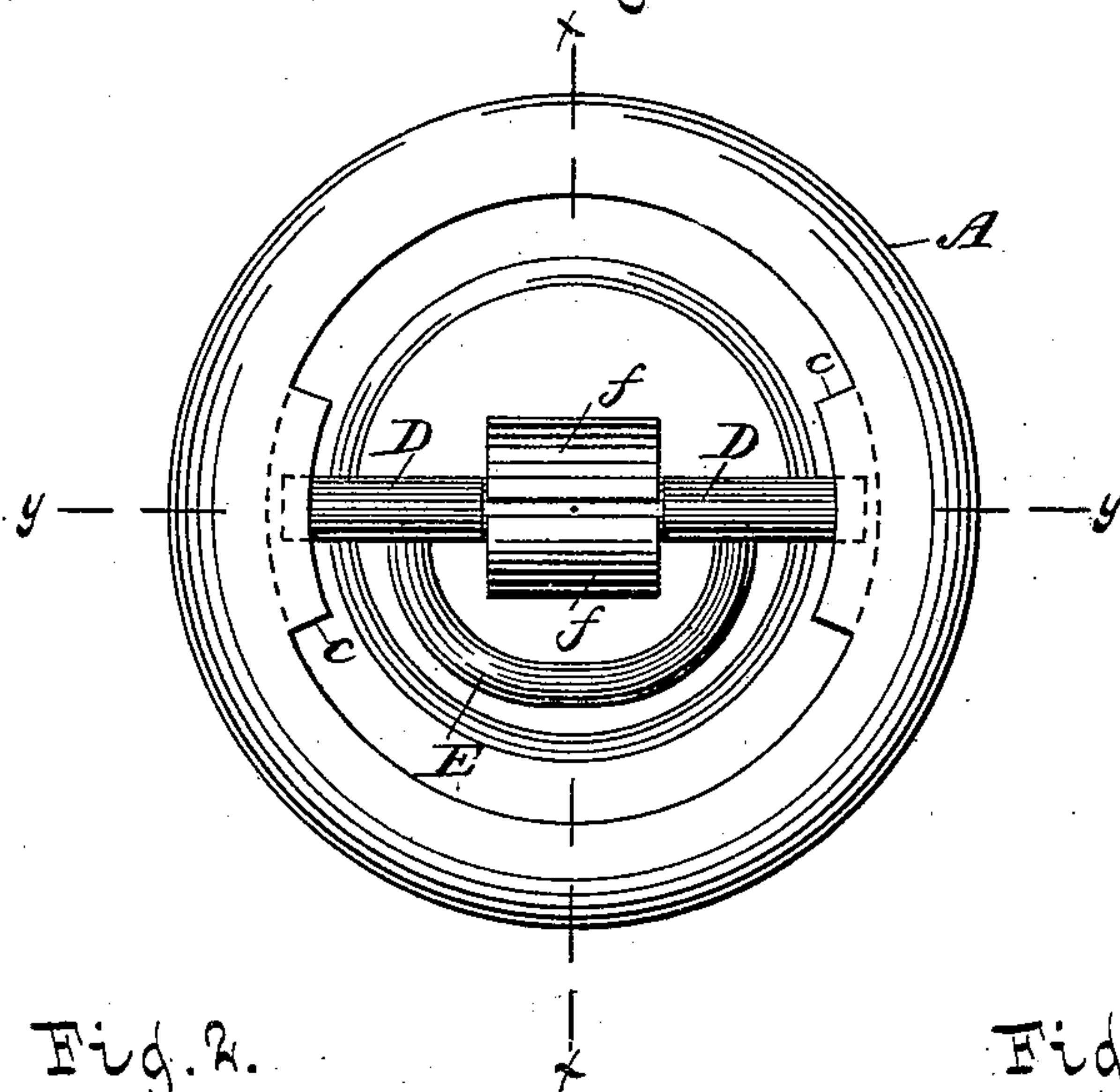


Fig. 2.

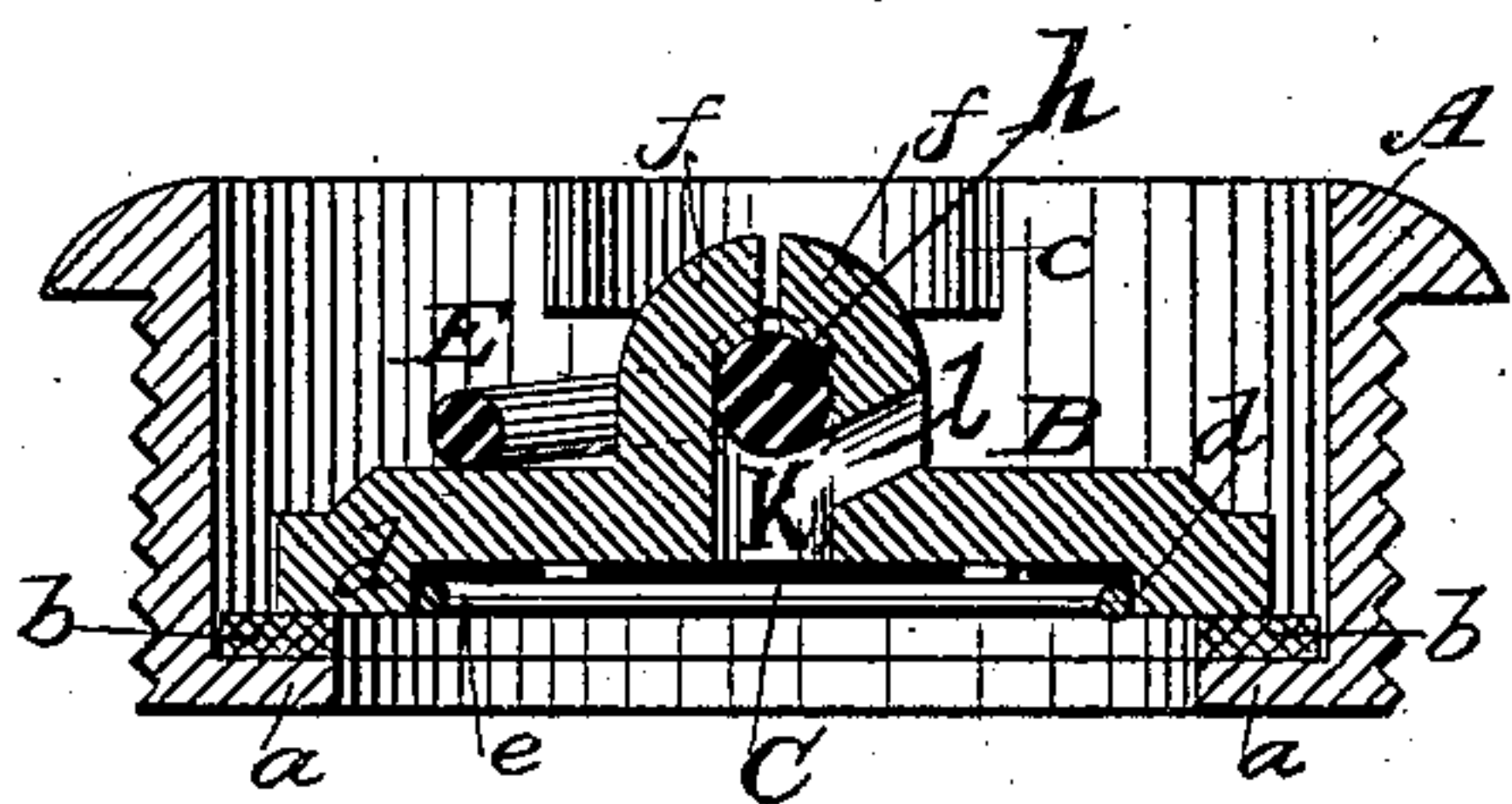


Fig. 3.

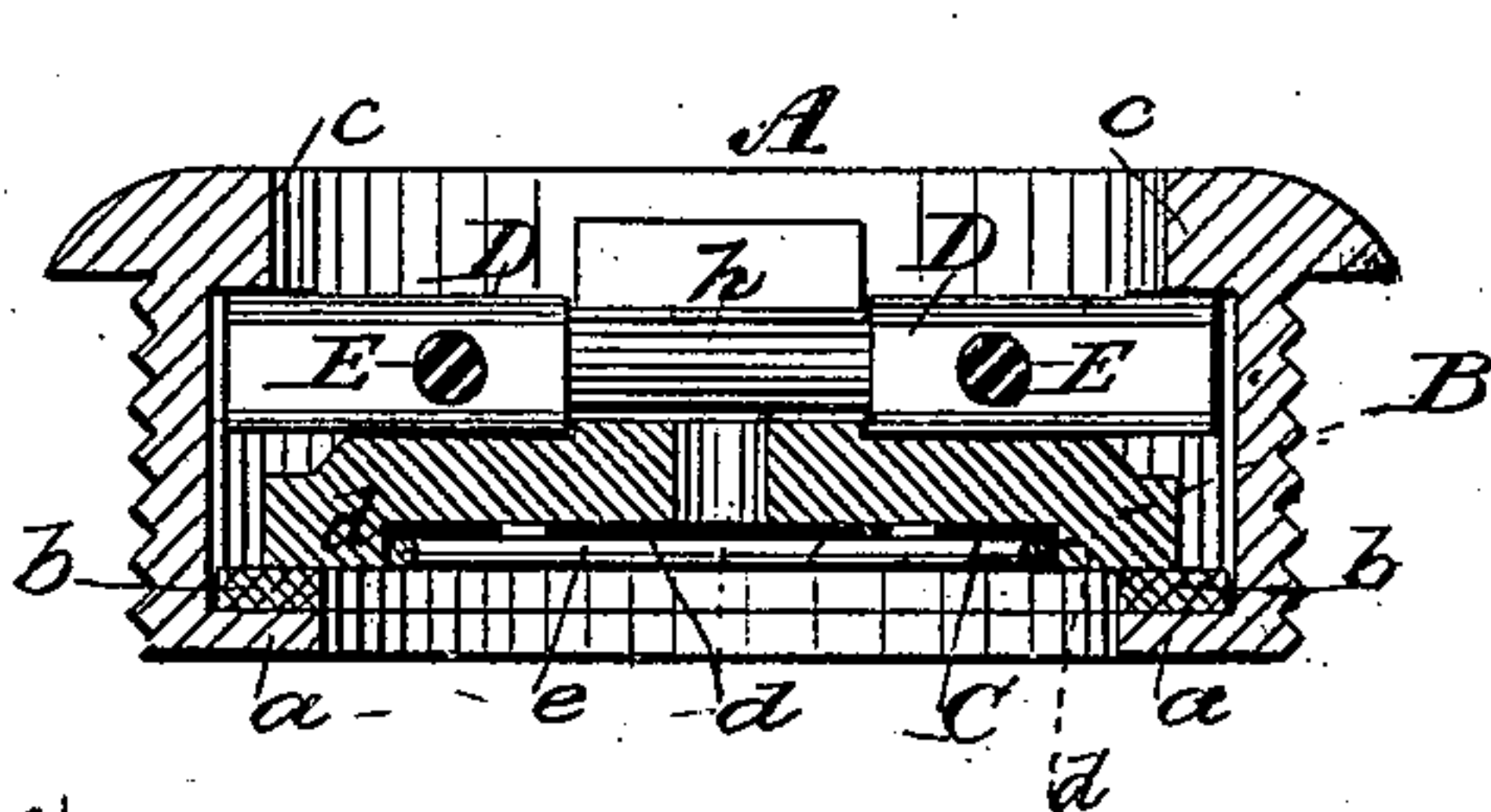


Fig. 4.

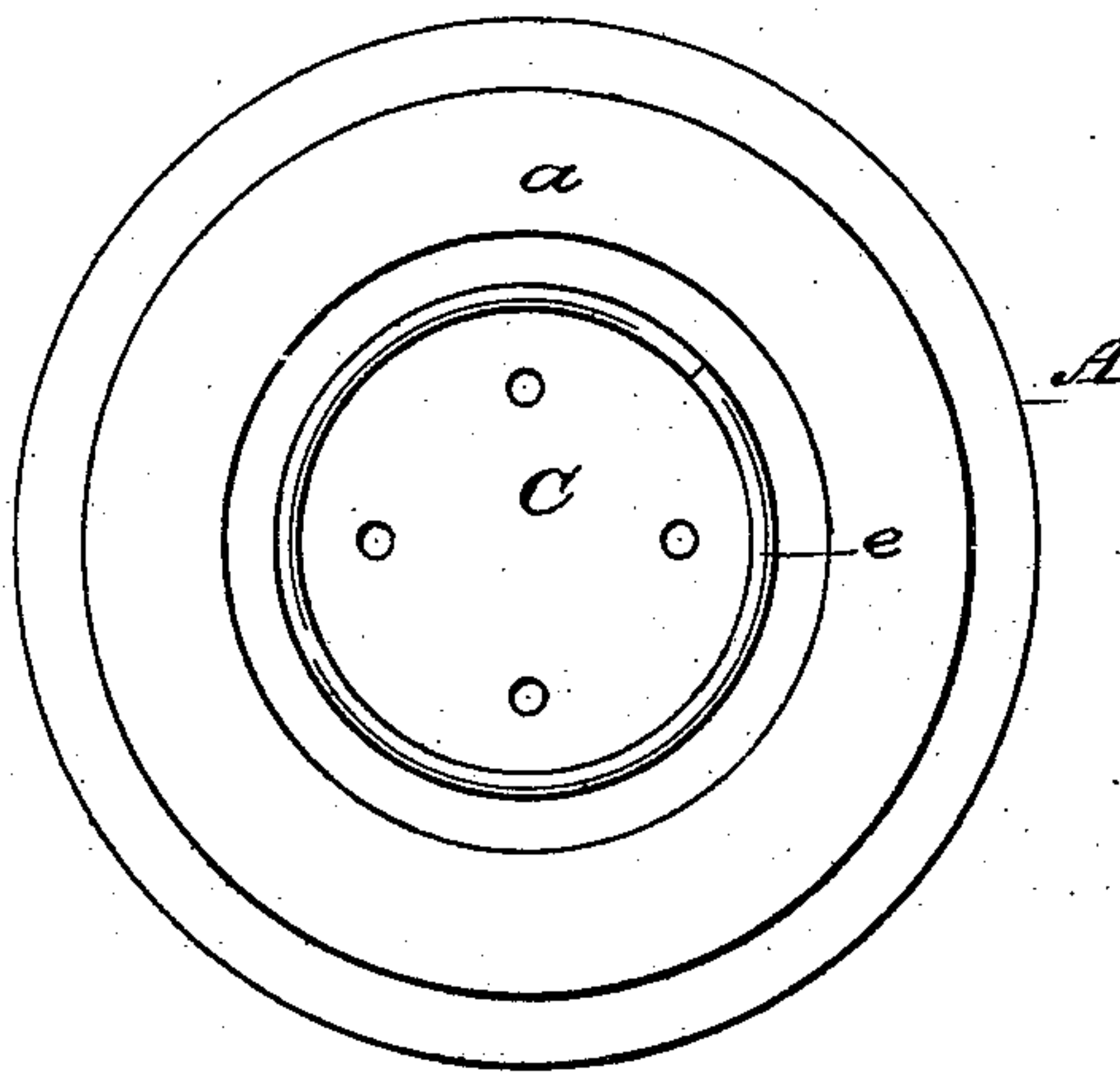


Fig. 5.



WITNESSES:

James F. Maerkane
Wm Hoffman

INVENTOR

Adam E. Schatz
BY J. C. Breckin
ATTORNEY

(No Model.)

2 Sheets—Sheet 2.

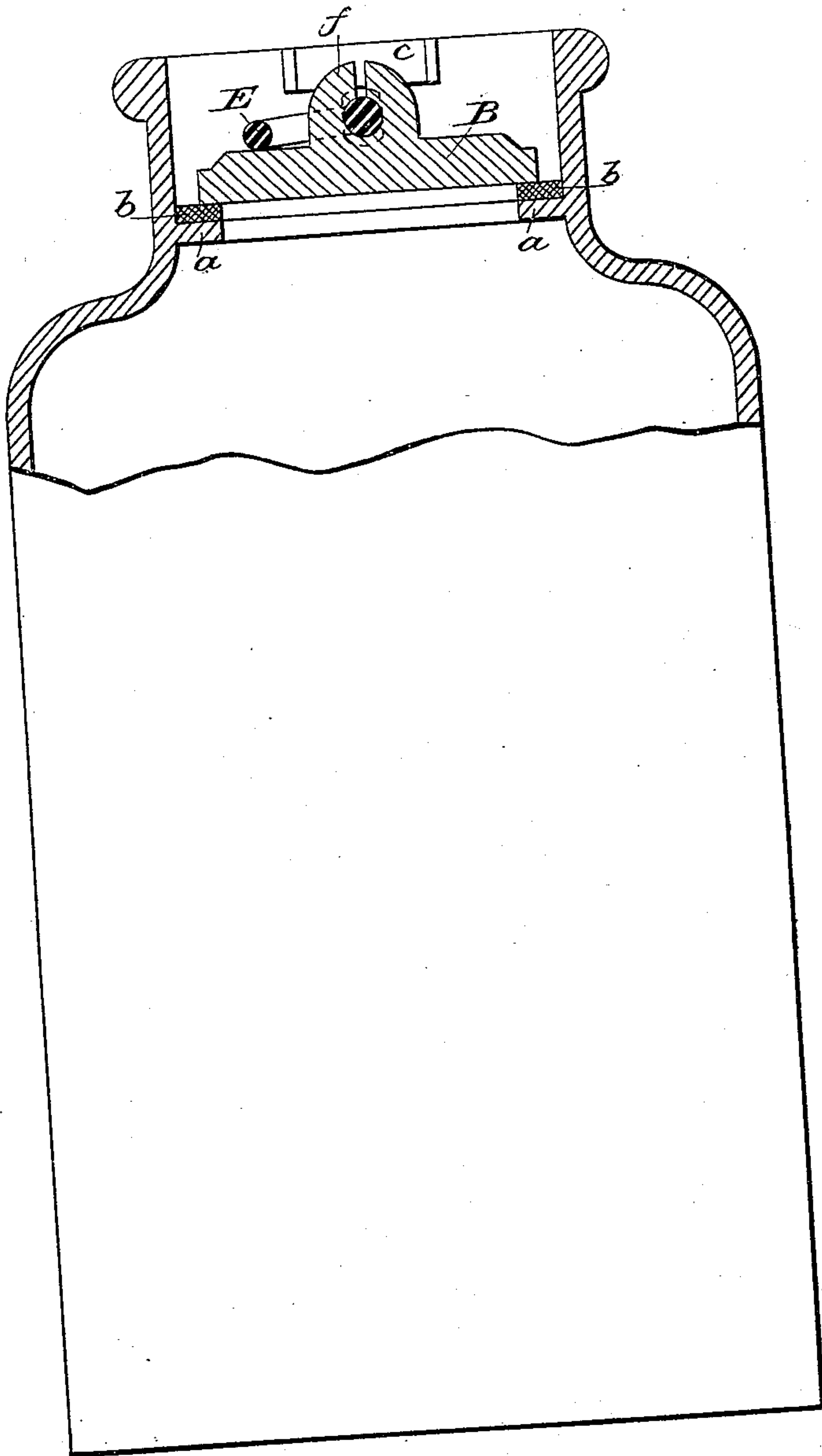
A. E. SCHATZ.

VENT BUNG.

Patented Nov. 14, 1882.

No. 267,598.

Fig. 6.



WITNESSES:

James F. Maerhan
Wm Hoffmann

INVENTOR

Adam E. Schatz

BY

J. C. Crecht

ATTORNEY

UNITED STATES PATENT OFFICE.

ADAM E. SCHATZ, OF NEW YORK, N. Y.

VENT-BUNG.

SPECIFICATION forming part of Letters Patent No. 267,598, dated November 14, 1882.

Application filed June 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, ADAM E. SCHATZ, a citizen of the United States of America, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Bung Bush and Vent; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to that class of automatic bungs that are provided with a mechanism that is inserted into a properly-constructed bushing for casks intended to contain effervescent or other liquids, and allows of the drawing off of the liquid without allowing the escape of gases or other contents of the kegs, &c.

The invention consists in the construction and arrangement of parts, as will be more definitely described hereinafter, reference being had to the accompanying drawings, in which—

Figure 1 represents a plan or top view. Fig. 2 is a cross-section on line *x x* of Fig. 1. Fig. 3 is a similar section on line *y y* of Fig. 1. Fig. 4 is an inverted plan view. Fig. 5 is a cross-section of one of the locking-cams or eccentrics. Fig. 6 shows the stopper or bung, without the vent, applied to a jar.

Like letters represent like parts.

The essence of my invention is the mechanism that I employ as a locking device to keep the bung or stopper in place. The bushing A is provided on the outer side with the proper screw-thread or other means for fastening it into the keg or vessel. The interior of the bung A is provided at its bottom with a flange, *a*, which serves as a seat for the bung or stopper B. At the inner angle of the seat *a*, I cut a recess, so that a packing or washer, *b*, can be held therein; but this not being essential, I have not shown it in the drawings. At the upper inner periphery of the bush are provided two shoulders or lugs, *c*. The bung or stopper, in the case where it is used as bung and vent, has a recess, *d*, in its bottom, which receives the rubber perforated disk C, that is retained in place by means of the spring *e*. On the upper side of the bung B are arranged two projections, *f*, which form a round seat for the journal cam-bar D. This cam-bar has

preferably two flat surfaces, *g g*, as best seen in Fig. 5, on each side, between which the journal or spindle part *h* is arranged. This journal or spindle part is placed between the two projections *f f*, which form the seat which serves as a bearing for the cam-bar. The upper ends of the two projections are then pressed together and the cam-bar is held securely in place. A curved lever, E, is so affixed to the cam-bar that when the device is locked the lever is in the position shown in the figures, and when open the flat sides *g g* of the cam-bar face the lugs *c* and allow of an easy removal of the bung or stopper. It is obvious that the cam-bar is sufficiently long enough to pass under the lugs *c*. The bung B is provided with suitable perforations, against which the perforated rubber disk is placed. These perforations are beneath or sidewise through one or both of the projections *f f*, and are so arranged for the purpose of protecting the disk from injury from without.

I find in practice that by this means I can very quickly and efficiently close a bung-hole in a cask after the same has been filled with beer. This is very essential to the proper preservation of the effervescence of the beer, since the quicker the bung-hole of a keg just filled is closed the less carbonic-acid gas can escape, and the more effervescent will be the beer.

It is obvious that the cam-bar may be affixed to the bung or stopper in a number of ways; but the construction I have shown I find to be the most suitable, and I do not limit myself to the exact construction shown in drawings.

It will be readily understood that this bush and bung-plate, with its locking cam-bar, can be used in larger casks, such as are used as shaving, fermenting, or other casks.

It is also obvious that the packing is not essential, since the joint can be made accurate enough to form a tight joint.

In Fig. 6 I have represented the bung or stopper B, with its locking-cam, applied to a jar. The mouth or neck of the jar in this instance takes the place of the bushing A.

It will be readily seen that the device shown forms a much better and tighter joint, when applied in place, than the ordinary manner of securing the cap or equivalents to their seat by means of the compression caused by

the cams. It can be manipulated with more rapidity and ease than any other known to me.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, 5 is—

1. A bung-plate, B, provided with a locking cam-bar, D, held in place between the projections *ff*, arranged substantially as set forth.

2. The combination of the bung-bush A, having 10 flange *a* and lugs *c c*, with the bung-plate B, provided with locking cam-bar D, held in place by projections *ff*, arranged substantially as specified.

3. The vent-bung herein described, consist-

ing of the bush A, having the flanges *a a* and 15 lugs *c c*, under which the ends of locking cam-bar D are held, which is secured to the bung-plate by means of projections *ff*, said plate being perforated beneath or sidewise through one or both of the projections *ff*, in combina- 20 tion with a perforated disk, C, all constructed and arranged substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ADAM E. SCHATZ.

Witnesses:

JAMES F. MACSHANE,
WM. HOFFMANN.