

(No Model.)

A. E. SCHATZ.
AUTOMATIC VENT BUNG.

No. 263,063.

Patented Aug. 22, 1882.

Fig. 1.

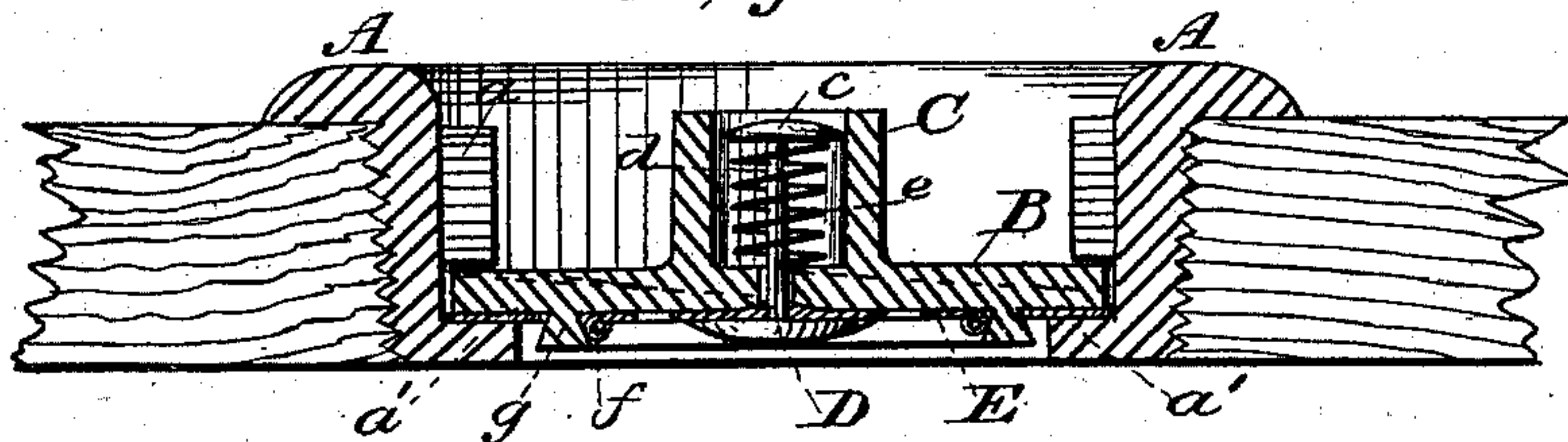


Fig. 2.

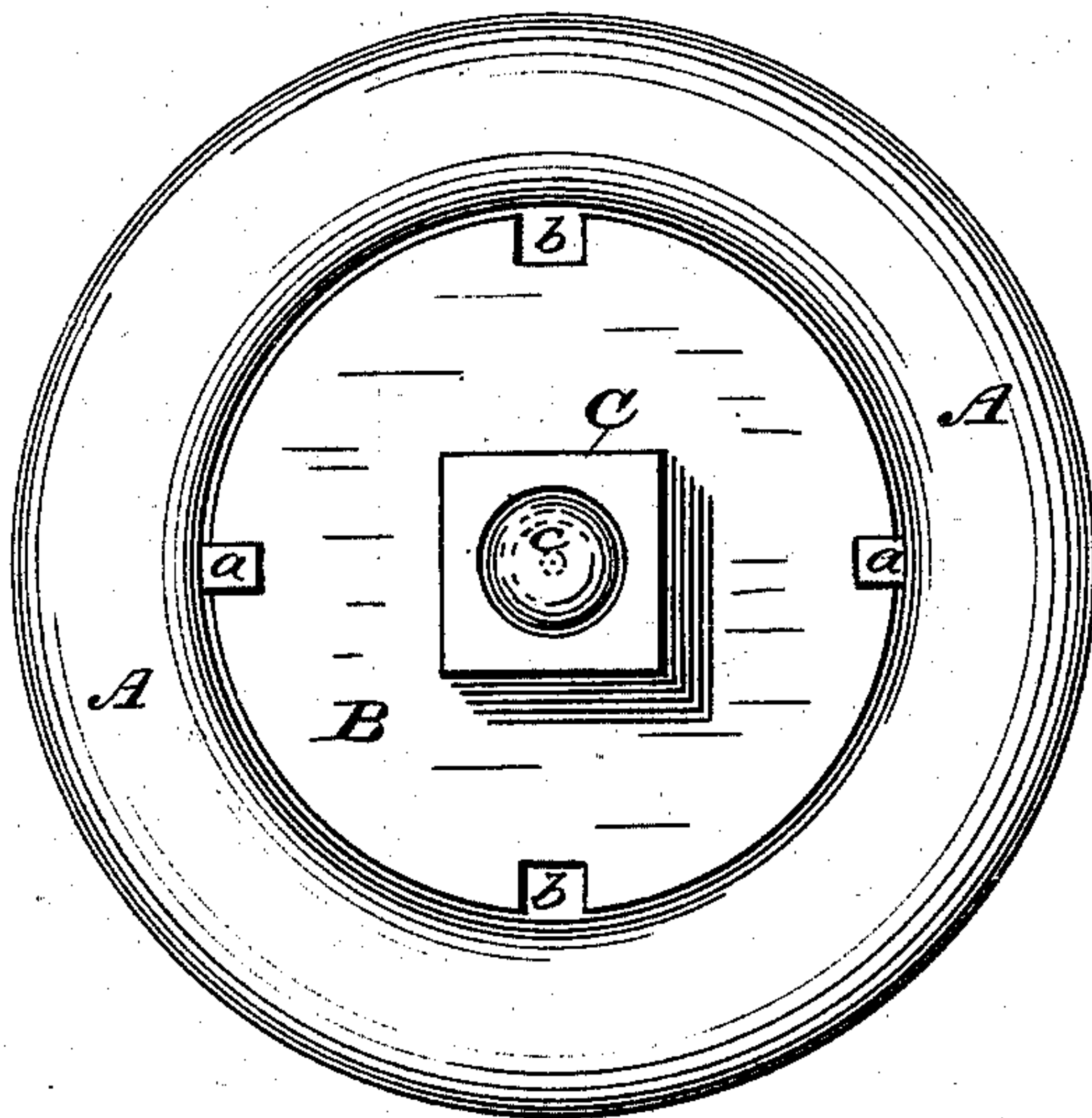
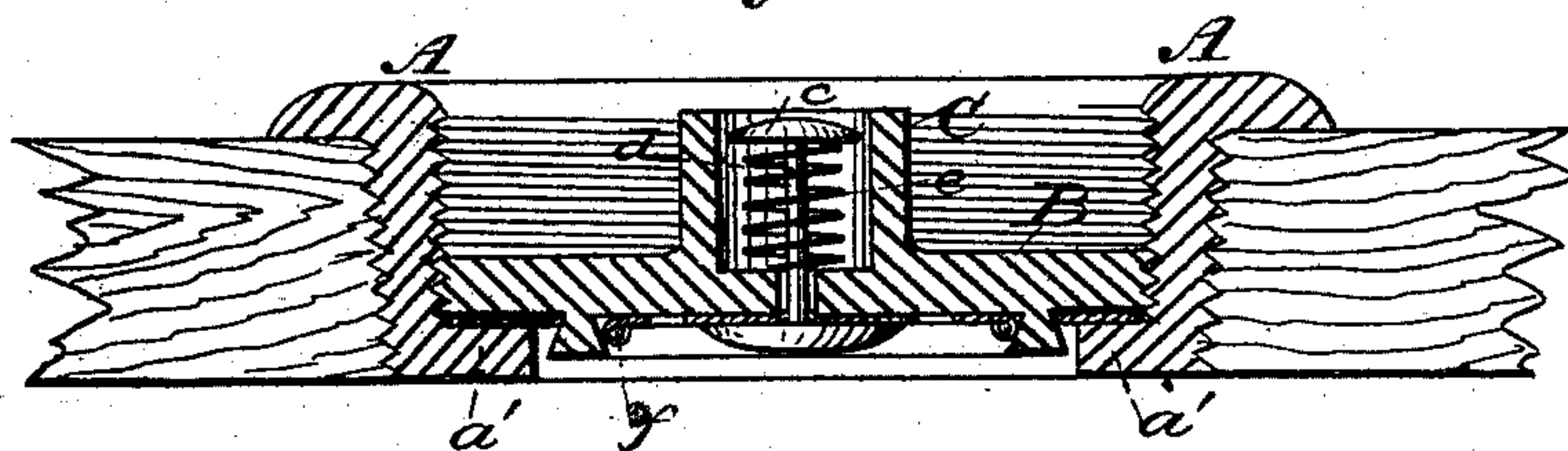


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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AUTOMATIC VENT-BUNG.

SPECIFICATION forming part of Letters Patent No. 263,063, dated August 22, 1882.

Application filed April 25, 1882. (No model.)

To all whom it may concern:

Be it known that I, ADAM E. SCHATZ, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Automatic Vent-Bungs; 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 improvements in automatic vent-bungs, and the object is to permit atmospheric air to pass into the interior of barrels, casks, &c., containing beer, ale, cider, and other fluids or liquors, and thereby give a vent to them and assist in the withdrawal of such fluids or liquors, and also to accomplish this in an automatic manner.

The invention consists in the construction and arrangement of parts, as will be more fully described hereinafter, reference being had to the accompanying drawings and the letters of reference marked thereon.

Like letters of reference refer to like parts in the different figures of the annexed drawings, in which—

Figure 1 is a vertical cross-section of the improved bung attached to a barrel. Fig. 2 is a plan view of the same. Fig. 3 is a vertical cross-section of a modification of the same.

In the drawings, A represents a metallic bush, secured in any suitable manner in the barrel or cask, and it is provided with lugs *a*, to hold the plate B in place. This plate B has notches *b*, which pass over the lugs *a* when it is to be placed in position, and by imparting a quarter-turn to it the plate is secured in its seat under the lugs *a* by its edges, which have a gradual incline in the direction in which it is turned, and thus forms a tight joint against

the face of the flange *a'* of the bush. If desired, packing may be inserted between the edges of the plate and bush, usually, however, not necessary. The plate B is provided with a raised portion, C, which is bored out or recessed to receive the head or button *c* of a washer or part, D, having a stem, *d*, around which is placed the spiral spring *e*. The part D may be secured to the rubber disk or valve E, and this is held in place by a spring or wire ring, *f*, that bears against the inner side of the annular dovetail projection *g* on the under side of the plate B. Said disk is provided with one or more perforations for the admission of air. When any liquid in the barrel, cask, &c., is withdrawn through the usual faucet the disk E, with part D, is drawn inward by the vacuum created, and will be immediately closed by the spring *e*, in addition to the force of the gases contained in the barrel when the faucet is closed.

In the modification shown in Fig. 3 the plate B is secured in the bush A by a screw-thread, fitting into the screw-threaded depression formed in the bush, while all the other parts are of the same construction as in Fig. 1, and need no further description here.

Having thus described my invention, what I claim is—

The combination of a bush, A, plate B, having recessed portion C, the head *c*, spring *e*, and valve-stem *d*, being within the recess, the washer D, and the rubber disk E, provided with one or more perforations, as shown and described.

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

ADAM E. SCHATZ.

Witnesses:

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