

(No Model.)

H. STONE.

COVER FOR CHAMBER PAILS, &c.

No. 287,189.

Patented Oct. 23, 1883.

Fig. 1

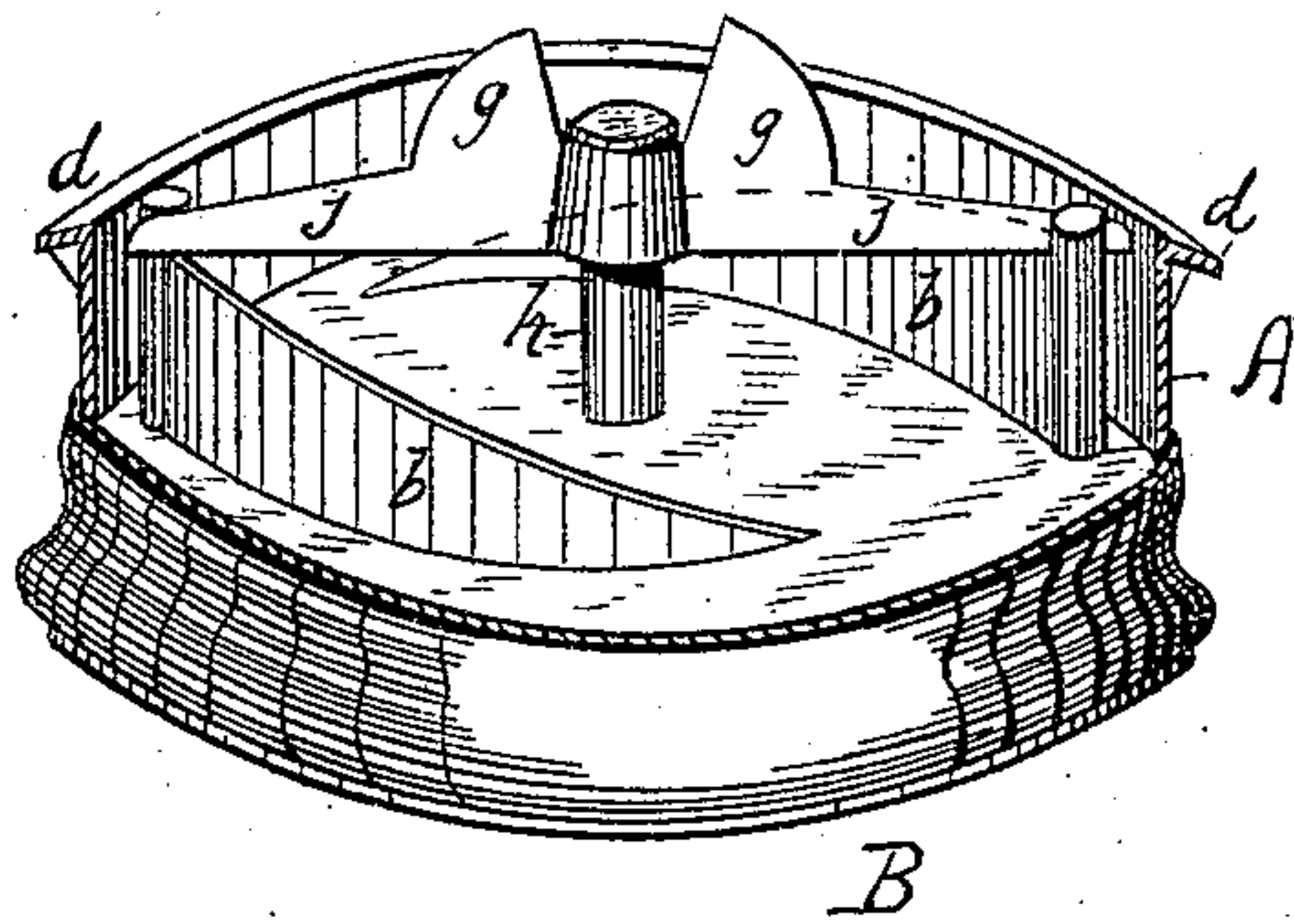


Fig. 2

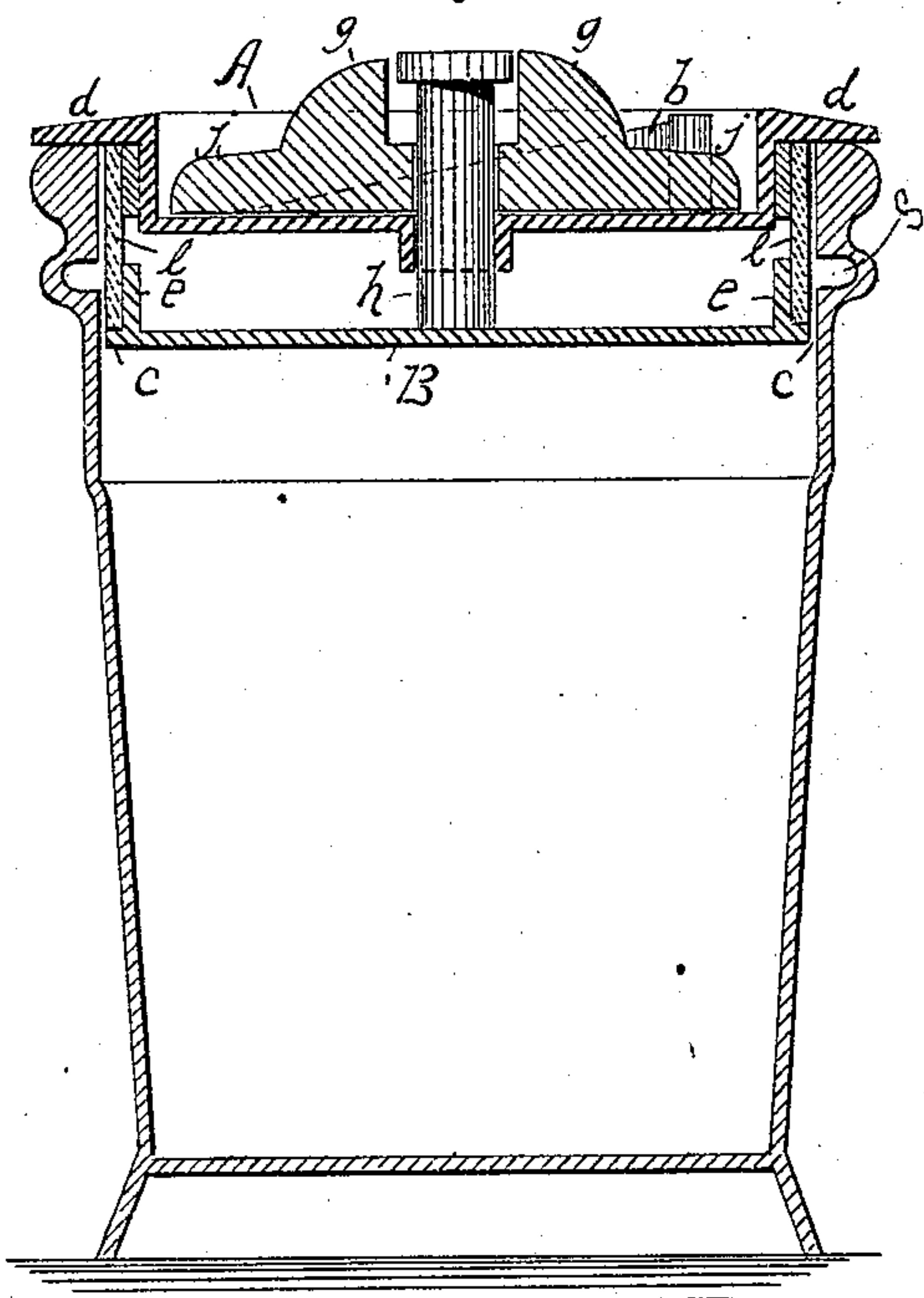
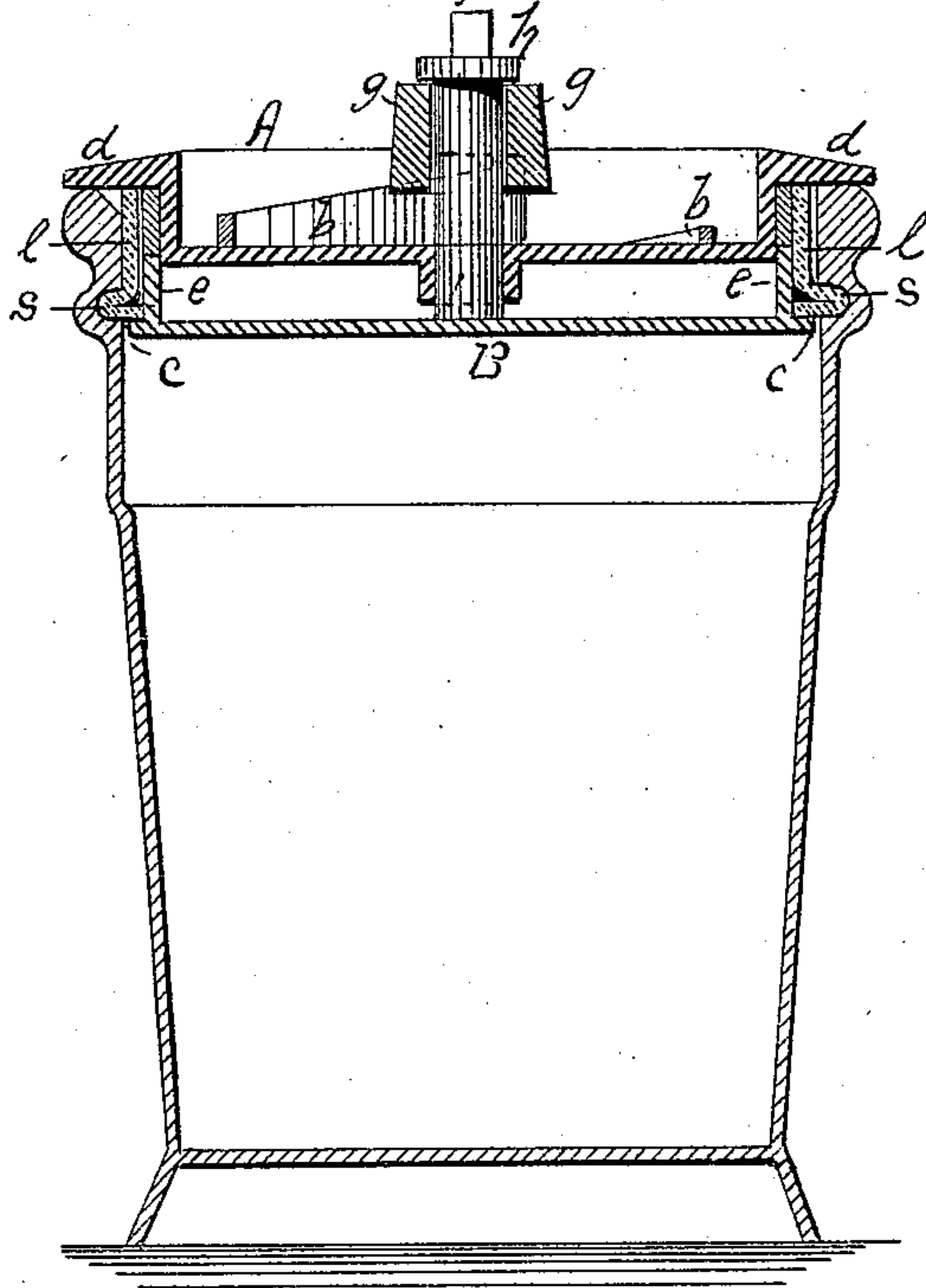


Fig. 3



Witnesses:

John C. Tunbridge.
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Inventor

Henry Stone.
By Frank A. Atty.

UNITED STATES PATENT OFFICE.

HENRY STONE, OF IRVINGTON, NEW JERSEY.

COVER FOR CHAMBER-PAILS, &c.

SPECIFICATION forming part of Letters Patent No. 287,189, dated October 23, 1883.

Application filed August 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY STONE, a citizen of the United States, residing at Irvington, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Lids or Covers for Chamber-Pails and other Vessels; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates more especially to certain peculiarities in the construction of lids or covers for chamber-pails and other vessels, whereby said vessels are rendered air and water tight when said covers are adjusted thereon, the object being to overcome certain difficulties and objections heretofore existing in respect to covers of this character, and to accomplish better results at a less cost.

The invention consists in the peculiar combinations and arrangements of the several parts, as will be hereinafter set forth, and finally embodied in the claim.

In the drawings, in which similar letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a perspective view, partially in section, of a cover embodying my improvements, and Figs. 2 and 3 are transverse sections of the same in connection with a chamber-pail or commode, illustrating its operation when applied thereto.

In carrying out my invention I construct the top and the bottom of the cover in separate parts capable of a movement toward and from each other, the object of which will be hereinafter set forth.

The central portion of the top plate, A, is depressed or sunken, and is provided with two inclined ledges or projections, *b b*, a perforation through the center, and a projecting rim, *d*, all as clearly shown in the several figures of the drawings.

The bottom plate, B, is provided with an upwardly-projecting flange, *e*, a projecting rim, *e*, and a central perforation corresponding with that in the plate A.

The handle is composed of a knob or fin-

ger-piece, *g*, and cross-bar *j*, by which to manipulate the lid or cover. A shank, *h*, passing through said handle and through both the top and bottom plates, is held in position by means of a nut; or it may be riveted or soldered to the bottom plate, as indicated in the drawings.

An annular groove is formed by the conjunction of the two plates A and B, and is supplied with a rubber band, *l*, fitting snugly and tightly therein, the normal tendency of which is to press the top and bottom plates apart to their fullest extent, in which position the rubber band will lie smoothly and evenly in said groove between the projecting rims *c* and *d*, as indicated in Fig. 2, and the cross-bar *j* of the handle will lie in the depression between the inclines in the top plate, as indicated in the same figure.

The operation of the device is as follows: The cover being shut down into the top or mouth of the vessel, (into which it should fit easily but snugly,) the handle, or rather the cross-bar of the handle, is turned so as to bring said cross-bar *j* into engagement with the inclines *b b*; which, as said cross-bar is turned upon the shank, forces the top and bottom plates together or toward each other, the result of which is to bring a pressure upon the edges of the rubber band, thereby causing the latter to bulge outward, and to thus press against the inside of the vessel, or preferably into a recess, *s*, formed on the inside of the vessel, as indicated in Figs. 1 and 3, thereby holding the lid or cover in position, and forming an air-tight and a water-tight joint, as will be manifest. By reversing the movement of the cross-bar the cover may be removed. Additional means for securing or fastening the cover may be employed, if desired.

The cover may be made of metal, glass, celluloid, hard rubber, gutta-percha, wood, bone, ivory, or other substance, and used in connection with a pail, commode, fruit-jar, milk-can, or any other vessel requiring an air-tight cover.

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

In a lid or cover, the combination of a top

plate having inclined ledges thereon, a bottom
plate adapted to be moved to and from the
top plate, a pivotal shank secured to the bot-
tom plate, passing through the top plate and
5 receiving a handle, said handle working piv-
otally on the shank, and composed of the cross-
bar *t*, adapted to extend from one inclined
ledge to the other, and finger-piece *g*, and a
rubber band arranged to engage with the said

plates and be expanded by the compression to
thereof.

In testimony that I claim the foregoing I
have hereunto set my hand this 14th day of
August, 1883.

HENRY STONE.

Witnesses:

OLIVER DRAKE,
F. F. CAMPBELL.