No. 703,005. Patented June 24, 1902.

A. B. SCHOFIELD.

JAR CLOSURE.

(Application filed Mar. 6, 1899.)

(No Model.)

Fig. 2.

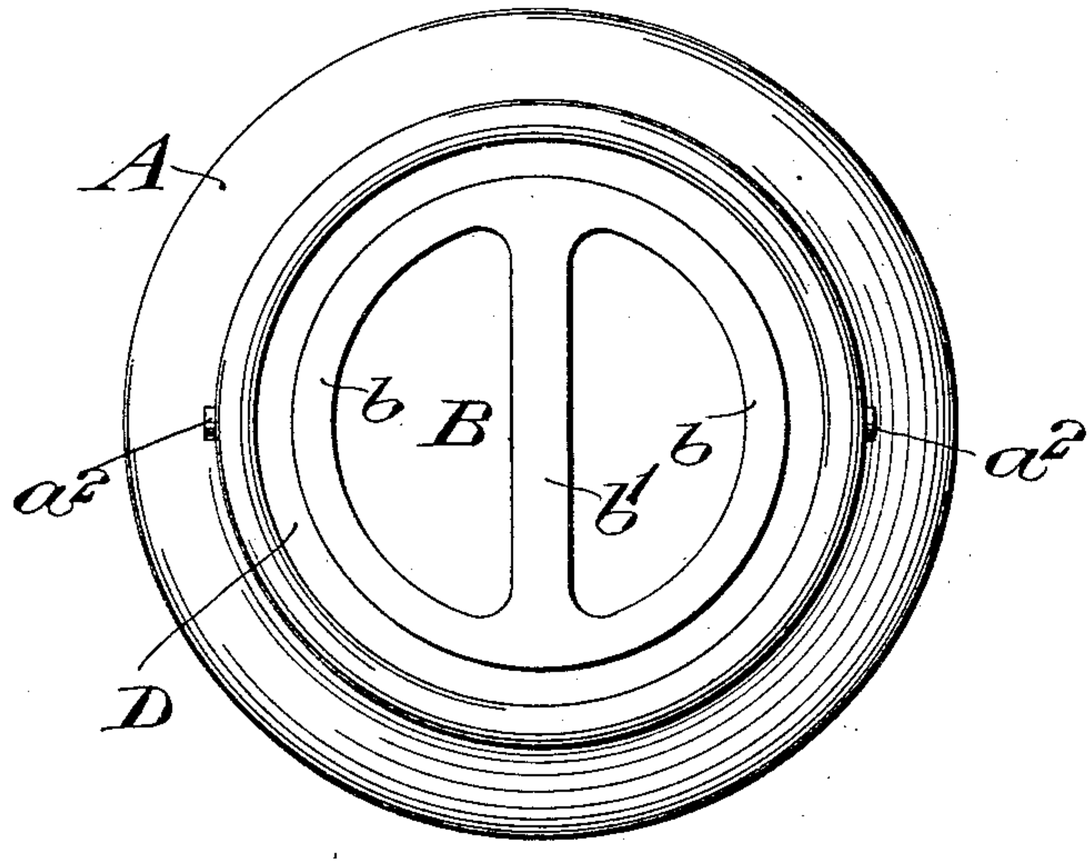
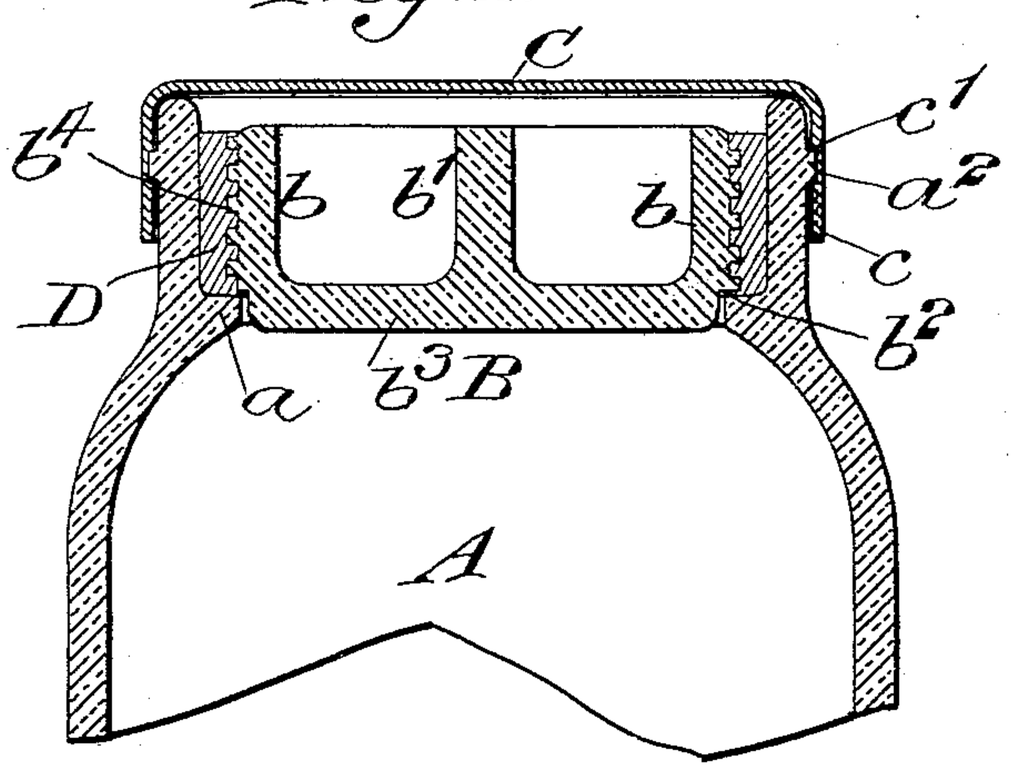


Fig. 1.



Witnesses:-
George Barry Jr.
Henry Thieme.

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UNITED STATES PATENT OFFICE.

ALBERT B. SCHOFIELD, OF NEW YORK, N. Y.

JAR-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 703,005, dated June 24, 1902.

Application filed March 6, 1899. Serial No. 707,846. (No model.)

To all whom it may concern:

Be it known that I, ALBERT B. SCHOFIELD, a citizen of the United States, and a resident of New York, in the county of Kings and State of New York, have invented a new and useful Improvement in Jar-Closures, of which the following is a specification.

My invention relates to an improvement in storage vessels, with the object in view of providing a simple and efficient means for sealing the storage vessel against the passage of air.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a view of the top portion of a jar in vertical section, showing the parts in assembled position; and Fig. 2 is a top plan view with the exterior cap removed.

The body of the jar is denoted by A. It may be of glass or other suitable material. On the interior of its neck, in the present instance at the base of the narrower portion of the neck, there is formed a shoulder a, on which the cover is intended to seat.

The cover is denoted as a whole by B. It is provided with an upright annular flange b, spaced from the interior of the neck of the jar, and centrally across its top there is formed a rib b', preferably, as shown, connecting the opposite sides of the annular flange b. The cover is further provided with an annular shoulder b^2, extending horizontally from its periphery and adapted to rest on the shoulder a within the neck of the jar or vessel A. The cover B is further provided with a depending annular portion b^3, adapted to rest within the contracted portion of the neck formed by the shoulder a.

It is intended that the upright annular flange b of the cover, as well as the rib b', shall be of such height as to rest below the top of the neck of the jar when the parts are in assembled adjustment.

The exterior of the upwardly-extending flange b is provided with a series of screw-threads b^4, the effect of which will be to hold the cover against loosening from the paraffin under slight jar and at the same time will permit it to be unscrewed, leaving the body D of paraffin intact, if so desired.

The outside cap C, which may or may not be used, at pleasure, is provided with a depending annular flange c, adapted to surround the exterior of the top of the neck of the vessel, and it may be conveniently adjusted and held in position by what is commonly known as a "bayonet-joint," being in the present instance formed by a pair of lugs a^2, projecting from the exterior of the neck and adapted to be received into angular slots c', formed in the flange of the cover.

The parts are assembled and sealed as follows: The cover B is set in position, with its depending portion b^3 in the contracted portion of the neck and its shoulder b^2 resting on the shoulder a within the neck. The space between the upwardly-extending annular flange b of the cover and the interior of the neck is then filled with melted paraffin, and when the latter cools the jar will be perfectly sealed and may be set away or packed either with or without the cap C, as may be desired.

When it is desired to remove the cover, the latter may have its cup-like upper portion filled with warm water, which will in a short time soften the paraffin sufficient to permit the cover to be unscrewed.

The stopping of the flange b of the cover below the top of the neck renders the pouring of the paraffin into the space between it and the neck more convenient and prevents the liability of the paraffin running over onto the exterior of the jar during the operation of sealing.

In assembling the parts the cover is readily centered by placing the depending portion b^3 in the contracted portion of the neck, thereby leaving the annular space between the flange b and the interior of the neck of substantially uniform thickness throughout.

The rib b' serves the double purpose of strengthening the cover and at the same time affording a convenient grip for the thumb and finger of the operator to unscrew the cover and otherwise manipulate it during the operation of sealing and unsealing.

What I claim is—

The combination with the neck of a jar or vessel provided with an interior annular shoulder, of a cover provided with an annular bearing adapted to rest on the said interior shoulder, and a screw-threaded exterior portion spaced from the interior of the vessel, the said cover having its upper portion formed

hollow and its outer wall spaced from the interior wall of the neck and its lower portion extending below the said annular bearing and a body of sealing material molded between the exterior screw-threaded portion of the cover and the interior of the neck, substantially as set forth.

In testimony that I claim the foregoing as invention I have signed my name, in presence of two witnesses, this 28th day of February, 1899.

ALBERT B. SCHOFIELD.

Witnesses:
FREDK. HAYNES,
C. S. SUNDGREN.