(No Model.)

A. SCHILLER.

DEVICE FOR SEALING JARS OR OTHER VESSELS.

No. 553,543. Patented Jan. 28, 1896.

Fig. 1.

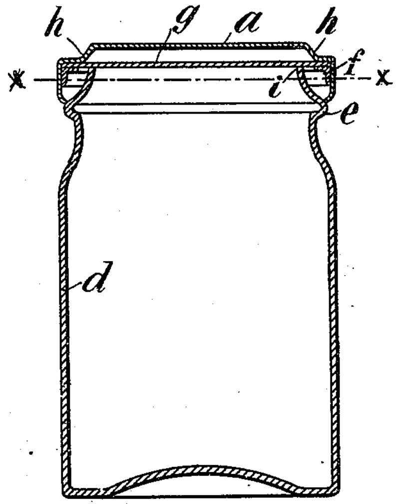


Fig. 2.

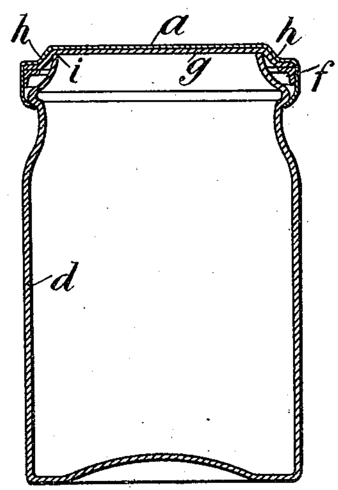


Fig. 3.

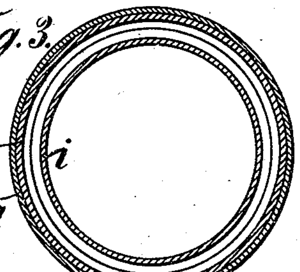
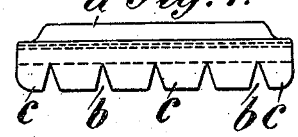


Fig. 4.



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UNITED STATES PATENT OFFICE.

ADOLF SCHILLER, OF GODESBERG, GERMANY.

DEVICE FOR SEALING JARS OR OTHER VESSELS.

SPECIFICATION forming part of Letters Patent No. 553,543, dated January 28, 1896.

Application filed November 2, 1894. Serial No. 527,749. (No model.) Patented in Germany October 5, 1890, No. 61,175; in Switzerland April 13, 1892, No. 4,893, and in England April 19, 1892, No. 7,389.

To all whom it may concern:

Be it known that I, ADOLF SCHILLER, a subject of the German Emperor, residing at Godesberg-on-the-Rhine, Germany, have invented certain new and useful Improvements in and Relating to Devices for Sealing Jars or other Like Vessels, (for which I have obtained Letters Patent in Germany, No. 61,175, dated October 5, 1890; in Switzerland, No. 4,893, dated April 13, 1892, and in Great Britain, No. 7,389, dated April 19, 1892;) and I do hereby declare the following to be a clear and exact description of the invention.

My invention has relation to devices for sealing jars or other like vessels in which there is but little internal pressure—that is to say, vessels in which are stored substances not liable to evolve or generate gases—and which are simply to be protected against atmospheric influences—as, for instance, substances liable to lose their aroma, as coffee, cocoa, tea, and the like, or substances that would deteriorate if exposed for a length of time to atmospheric influences.

The object of my invention is to provide an efficient, simple, convenient, and cheap means of closing and sealing jars or other like vessels for storing substances of the nature of those referred to, as will now be fully described, reference being had to the accompanying drawings, in which—

Figures 1 and 2 are vertical sections of a jar and devices for sealing the same embodying my invention. Fig. 3 is a cross-section taken on or about on line *x x*, Fig. 1. Fig. 4 is an elevation of the cap.

Referring to Figs. 1 to 4, *a* indicates a cap of sheet metal having a dentated margin—*i. e.*, a flange provided with recesses or notches *b* formed therein in such manner as to form more or less springy or elastic teeth *c*—the end of which is bent inwardly. The cap *a* above the toothed flange or rim is contracted so as to form a shoulder *h* adapted to seat on the mouth of the jar *d*, whose neck has a circular rib *e* engaged by the teeth *c* on the cap-rim when said cap is pressed to its seat, whereby the cap is firmly locked to the jar. This simple device is sufficient where an air-tight closure is not desired.

If it is desired to seal the jar air-tight I provide a ring *f* adapted to fit within the cover or cap and encompass the neck of the jar above the annular rib *e*, the neck of said jar being preferably made tapering, and upon said ring is laid a disk *g* of some elastic or flexible material, held in position by the shoulder *h* of the cap, as shown in Fig. 1. It is obvious that if the cap *a*, Fig. 1, is pressed down onto the jar until the teeth *c* thereof engage the under side of the rib *e* on the neck of said jar, as shown in Fig. 2, the disk *g* will be firmly clamped between the cap and ring, and thus provide an air-tight closure.

Instead of a disk *g* a ring or gasket of elastic material may be employed, especially if the neck of the jar or vessel is of considerable diameter.

As constructed the jar is very easily opened by pushing the cap obliquely to the mouth of the jar, thereby releasing the locking-teeth on said cap from the locking-rib *e*.

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

The combination with a jar or the like provided with tapering neck and an exterior annular rib near its mouth, and a cap provided with an offset and a downwardly turned dentated annular flange, the dentated portion forming more or less elastic teeth adapted to engage said annular rib, of a ring fitting closely within the cap under its offset, and a gasket interposed between the ring and cap, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have hereto signed my name in presence of two witnesses.

ADOLF SCHILLER.

Witnesses:
SOPHIE NAGEL,
MARIA NAGEL.