(No Model.)

C. S. ALDEN.

CLOSURE FOR JARS.

No. 589,151. Patented Aug. 31, 1897.

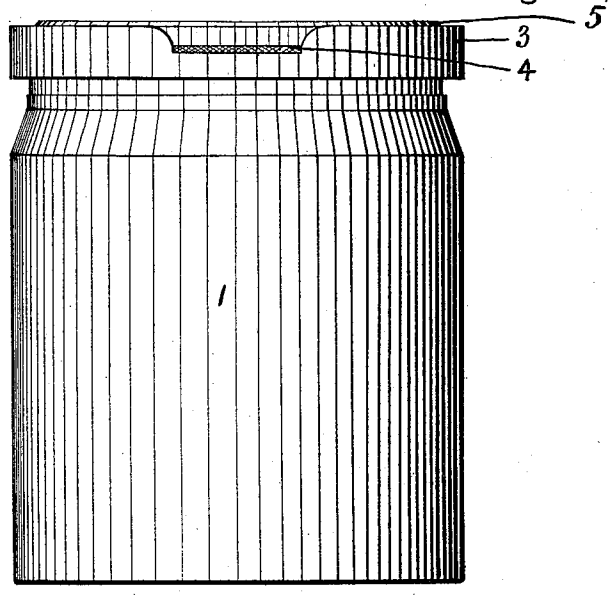


Fig. 1.

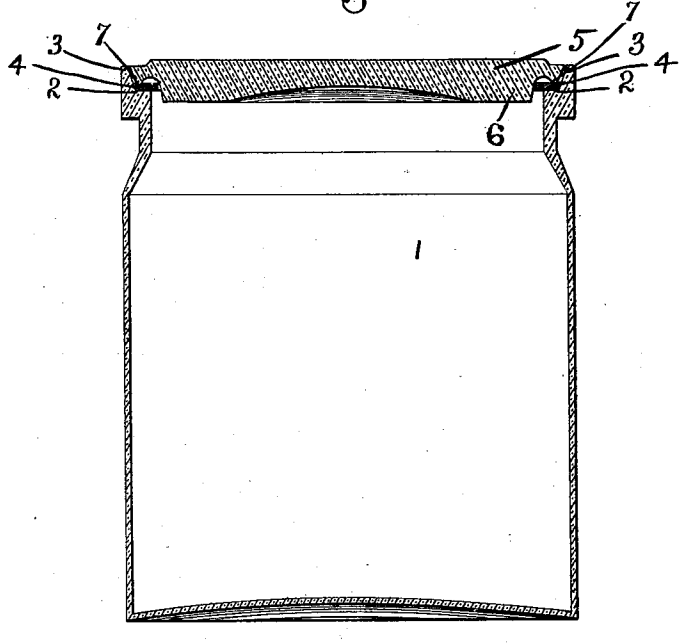


Fig. 2.

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UNITED STATES PATENT OFFICE.

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CLOSURE FOR JARS.

SPECIFICATION forming part of Letters Patent No. 589,151, dated August 31, 1897.

Application filed February 13, 1897. Serial No. 623,292. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. ALDEN, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Closures for Jars; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention has for its object to provide an improved closure for jars particularly adapted for containing preserved fruit or similar material, in which not only is the cap or cover prevented from accidental displacement, but the vacuum which causes the sealing may be readily broken to permit the removal of the cap or cover when desired; and to this end the invention consists in certain improvements in construction, the novel features being pointed out in the claims at the end of this specification.

In the drawings, Figure 1 is a side elevation of a jar illustrating my invention; Fig. 2, a sectional view of the same.

Similar reference-numerals indicate similar parts.

The jar indicated by 1 may be of any suitable shape desired and is provided at its upper end with an internal substantially flat ring-seat 2, outside of which is a vertically-extending rim or flange 3 of a height substantially equal to the thickness of the edge of the cap or cover of the jar, said flange being cut away at one or more points, as indicated in Fig. 1, down to the level of the internal seat 2.

4 indicates a rubber packing-ring or gasket resting upon the ledge or seat 2, and 5 the cap or cover, provided with the downwardly-extending portion 6, slightly smaller than the mouth of the jar, and at the extreme edge said cap is provided with the sharp shoulder or edge 7, adapted to rest upon the gasket or packing-ring 4.

Jars adapted for the purpose for which mine are intended are usually sealed by heating the contents of the jar and then allowing it to cool, so that by the reduction in pressure within the jar the cover will be drawn down tightly by atmospheric pressure, and in the present instance the edge 7, sinking into the packing-ring, will hermetically seal the jar.

When it is desired to remove the cap or cover, the jar may either be heated or, preferably, a pointed instrument, as a pin or knife, may be inserted through the packing-ring, so as to permit the entrance of air, and this in the present construction is facilitated by cutting down one of the edges of the jar itself to the level of the packing-ring. The top of the cover being substantially flush with the upper edge of the jar is thoroughly protected from being accidentally displaced or moved sufficiently to permit the entrance of air when the jar is sealed.

Jars of this description are easily and cheaply constructed and, moreover, present an attractive appearance, and may be packed or transported without liability of injury.

I claim as my invention—

1. The combination with the jar or receptacle having the upwardly-extending external flange and the substantially flat seat inside of and below the upper edge of the flange, the packing-ring resting upon the seat, and the cover having the central portion extending below the seat, the sharp downwardly-projecting annular shoulder or flange 7 resting upon and adapted to sink slightly into the packing-ring, the periphery of the cover being substantially the same thickness as the height of the flange on the jar, substantially as described.

2. The combination with the jar having the internal ledge or seat and the external flange extending above the same and cut away at one or more places down to the level of the seat, and the packing-ring, of the cover having the sharp shoulder 7 at the edge resting upon the packing-ring, and the internal projecting portion, substantially as described.

CHARLES S. ALDEN.

Witnesses:
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