(No Model.)

P. LYON & J. H. BOSSARD.

FRUIT JAR.

No. 274,620. Patented Mar. 27, 1883.

Fig 1.

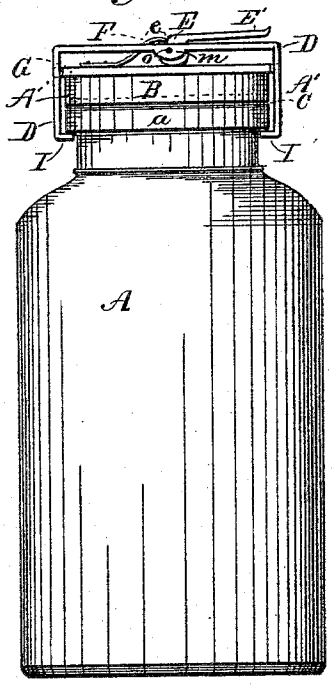


Fig 2.

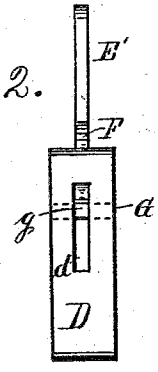


Fig 3.

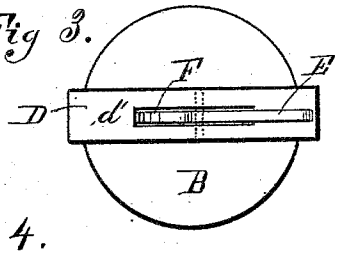


Fig 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

PHILIP LYON AND JOSEPH H. BOSSARD, OF EAST STROUDSBURG, PA.

FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 274,620, dated March 27, 1883.

Application filed February 19, 1883. (No model.)

To all whom it may concern:

Be it known that we, PHILIP LYON and JOSEPH H. BOSSARD, citizens of the United States of America, residing at East Stroudsburg, in the county of Monroe and State of Pennsylvania, have invented certain new and useful Improvements in Fruit-Jars, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to improvements in fruit cans or jars whose covers are secured by lever-power, and is designed to protect the can-cover from breakage or other injury and to make the fastening secure.

The accompanying drawings, in connection with the following description, fully set forth the nature of our invention.

In the drawings, Figure 1 is an elevation of a fruit can or jar, showing a side view of our improvement. Fig. 2 is an end elevation of the cover-fastener. Fig. 3 is a plan view of the top of the jar-cover and the fastener, and Fig. 4 is a top view of the movable draw-bar used in our invention.

The letters of reference used indicate corresponding parts in all the views.

The letter A represents an ordinary fruit can or jar having an annular projection, *a*, just below its rim.

The dotted line A′ A′ marks the top or rim of the jar.

B is the can-cover.

C is a rubber ring commonly used, and lies upon the projection *a*.

D is a clamp or bail whose ends I I are bent inwardly to pass under the projection *a*. This clamp has a slot, *d*, in each vertical end, and a slot, *d′*, in its top; (shown in Figs. 2 and 3;) also ears *m*, having pivot-holes *o* on its horizontal part.

An eccentric, E, working in the slot *d′* and having a lever-arm, E′, is pivoted at *o* to the bail D. The plate or bar G, Fig. 4, having its ends *g g* narrowed to loosely fit the slots *d d* in the bail, is operated by the eccentric E. A ratchet-spring, F, having one end riveted to the bar G, extends up through the slot *d′*, and with its other end engages the notches *e* in the cam E.

We are aware that slotted bails and eccentrical disks and levers have been used to secure the covers on fruit-jars; but as they have heretofore been constructed the lever-arm is liable, either by pressure from the contents of the can or by accident in handling or moving, to be raised and allow the cover to be loosened. Our invention overcomes this difficulty by adapting the spring-pawl F to engage the eccentric in one of the notches *e*, which prevents the arm E′ from being raised by accident, but readily permits it to be raised when the catch F is lifted out of the notch *e*. Again, as fruit-jars are made of various materials, the eccentric E is liable to break glass or earthen covers, and to bend, break, or wear covers of tin or other material. The bar G prevents this result by taking the pressure from the center of the cover and delivering it at the edges, where only it becomes effective. The piece G may be widened, if desired, to the full size of the can-cover.

Our improvement is applied and operated as follows: The fruit being in the jar, the rubber ring C is placed on the projection *a* and the cover B put on, its lower edge resting upon the ring C. The clamp D is then adjusted to the cover, the lever-arm E′ being raised and the ratchet F resting against the said arm, as in Fig. 2. The bar G lies loosely upon the can-cover beneath the clamp D. The arm E′ is then forced down toward a horizontal position until the pressure of the eccentric E upon the bar G is sufficient to tighten the cover and until the catch F drops into a notch, *e*, on the eccentric.

The different parts of our invention are made of any preferred materials.

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

The combination, with a can or jar, A, having an annular projection, *a*, and cover B, of a bail or clamp, D, provided with slots *d d* and *d′* and ears *m*, an eccentric, E, having notches *e*, and arm E′, pivoted at *o* to the ears *m*, and the bar G, adapted to work in the slots *d d*, and having a spring-catch, F, to engage the notches *e* in the eccentric E, all arranged and constructed substantially as herein described.

In testimony whereof we affix our signatures, in presence of two witnesses, this 16th day of February, 1883.

PHILIP LYON.
JOSEPH H. BOSSARD.

Witnesses:
PETER S. EDINGER,
J. H. HULL.