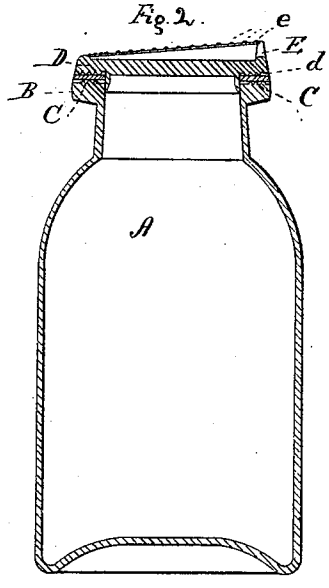
C. R. CARTER.

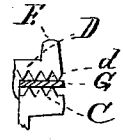
FRUIT-JAR.

No. 169,340. Patented Nov. 2, 1875.

Fig. 1.

Fig. 2.





WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES R. CARTER, OF ZANESVILLE, OHIO.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **169,340**, dated November 2, 1875; application filed March 15, 1875.

To all whom it may concern:

Be it known that I, CHARLES R. CARTER, of Zanesville, in the county of Muskingum and State of Ohio, have invented certain new and useful Improvements in Fruit-Jars; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in fruit-jars; and consists in the appliances and devices hereinafter set forth and claimed.

In the drawings, Figure 1 is a side elevation of a jar embodying my improvements. Fig. 2 is a longitudinal section of same.

A is a fruit-jar formed with a square flange and a flat top B. C are annular indentations in the top of the said jar. D is a cap having annular corrugations *d*, the corrugations on the cap and on the top of the jar being so constructed and arranged that a groove on one will come opposite to a projection or corrugation upon the other. E E are inclined planes on top of the cap D. *e* are slight corrugations or projections on the top edges of the inclined planes E. F is a metal clutch or key, the edges of which project down under the top B of the jar. By turning the said clutch about the central line of the jar as an axis, that part, F, that extends across the top of the cap will ride up along the inclined planes E, and in this way firmly bind the cap to the jar. The clutch F is prevented from slipping back or working loose by the slight elevations or corrugations *e*. G is a gasket interposed between the cap and the top of the jar.

The operation of the device is as follows: When the cap is forced by the clutch F down upon the gasket *g*, the annular projections or corrugations *d* force the gasket down into the annular indentations C on the top of the jar, so that the jar is hermetically sealed.

A gasket placed between the top of the jar and the cover will, as the cover is brought down upon it, be grasped at its outer edges, which will prevent its yielding laterally, and will hold it in its original thickness while it is subjected to the action of the annular wedges or projections, thus causing it to fill all of the angular spaces. This is only accomplished by employing several annular projections and corresponding recesses, since, where but a single projection and recess are formed, so as to gripe the gasket at a single point only, the gasket is not tightly compacted at said point, but by being permitted to yield sidewise is simply stretched.

It is apparent that the projections may be on the jar and the recesses in the cover.

I am aware that a jar has been made having an annular indentation in its top and another annular indentation opposite in the cap, designed to clamp a gasket within the annular recess formed by the two indentations when the cap is forced down upon the top of the jar; but

What I claim as new is—

The combination, with a fruit-jar having a flat top and provided with two or more annular wedge-shaped recesses thereon, of a cover provided with a corresponding flat bottom, and having two or more annular wedge-shaped projections opposite the said recesses on the jar, and a gasket interposed between the two, with suitable mechanism for forcing the jar and cover together, substantially as and for the purposes set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHAS. R. CARTER.

Witnesses:
F. A. SEBORN,
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