

W. F. CORPE.

Fruit Jar.

No. 54,117.

Patented Apr. 24, 1866.

Fig. 1.

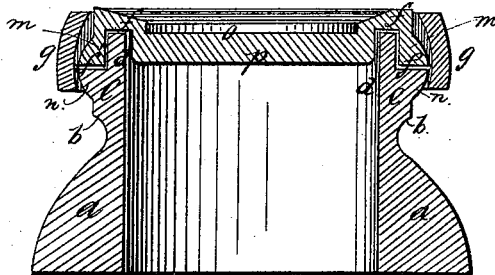
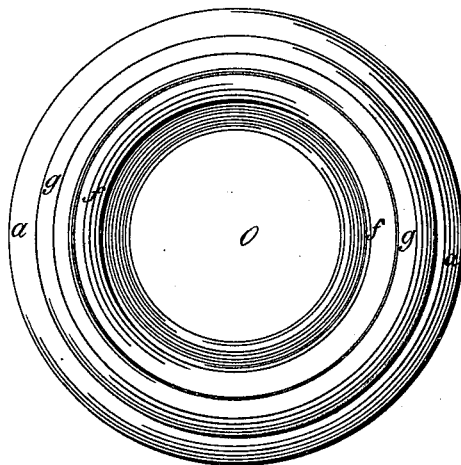


Fig. 2.



Witnesses:

Wm. Greiner
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Inventor:

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Atty.

UNITED STATES PATENT OFFICE.

WILLIAM F. CORPE, OF WINDSOR LOCKS, CONNECTICUT.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. 54,117, dated April 24, 1866.

To all whom it may concern:

Be it known that I, WILLIAM F. CORPE, of Windsor Locks, in the county of Hartford and State of Connecticut, have invented new and useful Improvements in Fruit-Jars; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a central vertical section taken through the upper part of a fruit-jar made according to my invention; Fig. 2, a plan or top view.

The present invention relates principally to the mode of securing or holding the cover of the jar down and upon its neck or body; and it consists in using for that purpose, in combination with said cover and neck, an elastic india-rubber or other suitable band or strap, which band is applied to and upon the outside of the cover and jar, over and around their joint with each other, whereby they are not only firmly and with sufficient tightness held together, but also their joint is thus wholly covered, avoiding all necessity of using a washer, as has heretofore been the case, in addition to the fastening or holding device for the cover—a very important advantage.

In addition to the above, I also form upon or project from the inner surface of the cover a plunger of sufficient size to fit nicely within the neck of the jar, so that as the cover is placed upon the same it shall enter the fruit or other material contained in it, thereby causing the air which is in the top portion of the jar to be forced out, the advantage of which is obvious.

And lastly, in order to cause the elastic band to fit the cover and jar with more nicety and accuracy, I form upon the same and extending across their joint a continuous projecting bead, over and about which the elastic band is set, and by its elasticity conforms thereto, thus producing a closer joint than it would were the contact portions of the jar and cover straight.

a a in the drawings represent the body portion of a jar suitable for the reception and preservation of fruit, &c., made of any of the

ordinary materials used therefor, terminating in a neck, *b*, having a shoulder, *c*, entirely around the same formed by a projecting lip, *d*; *f*, the cover, made of the proper size and shape to nicely fit over the lip *d*, resting upon its top edge, and the said shoulder *c*, its joint *f'* with the neck of the jar being covered and closed by an elastic band, *g*, made of india-rubber or any other suitable elastic material, placed around and upon the same, which band also serves as a holder for securing the cover upon the jar, as is evident without further explanation.

From the above it will be seen that, with the use of the elastic band applied to and over the joint of the cover with the body of the jar, not only will they be held firmly and closely together and their joint made perfectly tight to the admission of air to the interior of the jar, but that it is extremely simple and cheap, requiring no additional holding device, although it might be well in some cases to apply a clasp to and upon the band; but I hardly deem it necessary, the band holding the cover sufficiently tight.

m is a bead projecting from and extending around the outside of the cover, and *n* a similar-shaped one upon the top of the jar-neck, they forming, when the cover is placed upon the jar, a continuous bead, as plainly shown in Fig. 1, the object of which is to produce a surface about the joint of the cover and jar of such a form as will cause the elastic band to more fully conform thereto, thus closing the joint with more tightness, and which I find by use the said bead secures.

The central portion, *o*, of the inner surface of the cover I form of a plunger shape, *p*, so that as the cover is placed upon the jar it shall enter the fruit or other material in the same, thus forcing or pressing out what little air may remain in the jar above the fruit.

Although I have particularly described my improvements as applied to a fruit-jar, it may be as well adapted to a can, bottle, or other articles in or to which stoppers or covers are used, and it is desired to form air-tight joints.

I claim as new and desire to secure by Letters Patent—

1. The cover, with circular groove and plun-

ger *p* and bead *m*, when constructed and used as and for the purpose set forth.

2. The shoulder *c*, lip *d*, recessed cover *f*, projection *p*, beads *m n*, and inclosing-band *g*, in combination, when constructed and employed as and for the purposes herein specified.

The above specification of my invention signed by me this 31st day of August, 1865.

WILLIAM F. CORPE.

Witnesses:

M. M. LIVINGSTON,
C. L. TOPLIFF.