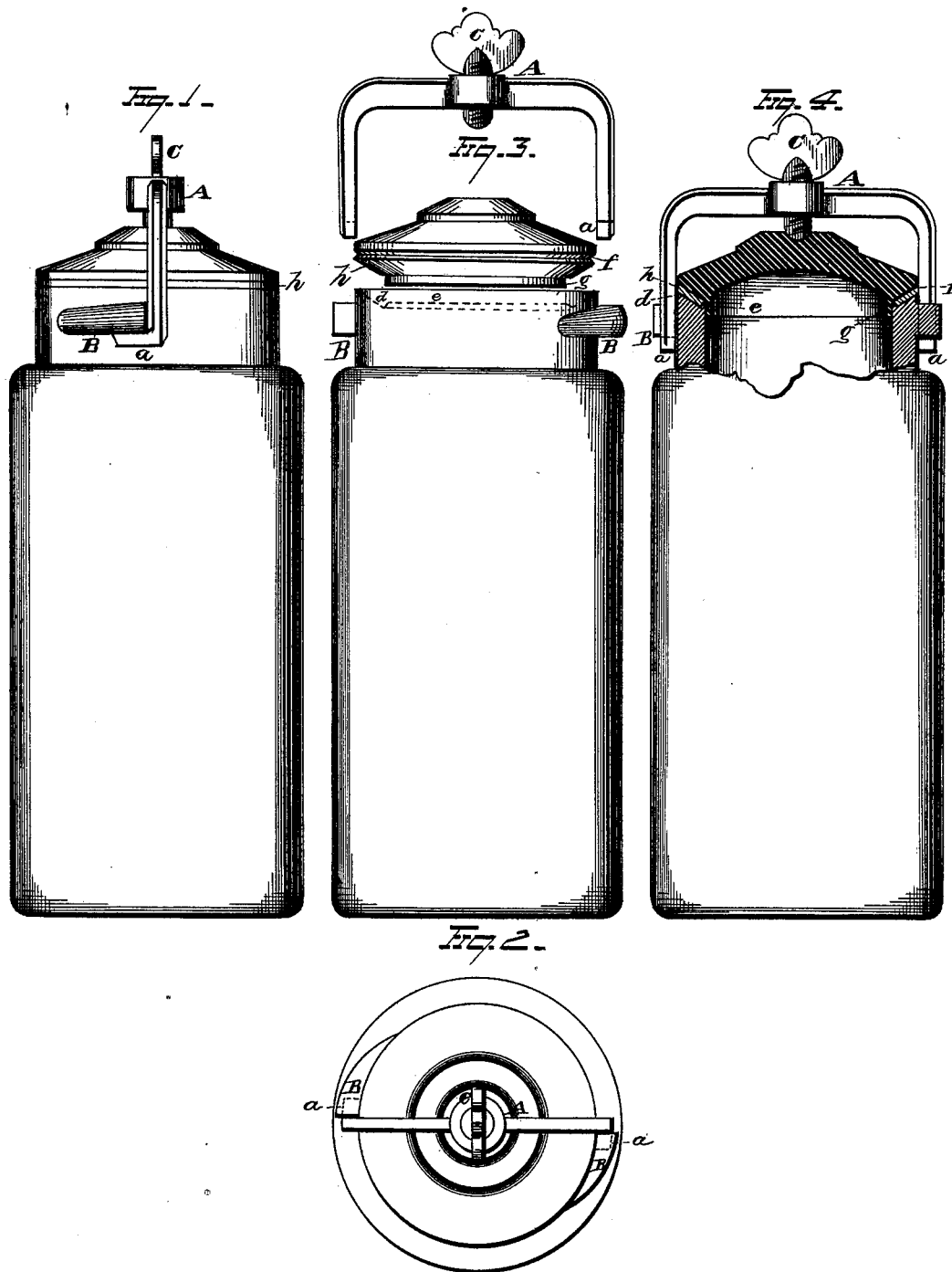


J. H. PHILLIPS.
Fruit-Jar.

No. 202,753.

Patented April 23, 1878.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN H. PHILLIPS, OF GREENVILLE, PENNSYLVANIA.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **202,753**, dated April 23, 1878; application filed March 30, 1878.

To all whom it may concern:

Be it known that I, JOHN H. PHILLIPS, of Greenville, in the county of Mercer and State of Pennsylvania, 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 improvements in fruit-jars; and is designed to provide a simple and secure means for engaging the clamp of the cover with the body of the jar.

Heretofore clamps have been made with their locking extremities bent inwardly, so that they are in the same vertical plane with the remaining portion of the clamp, and have end bearing against the sides of the jar-neck.

My invention consists in forming the extremities of the clamp, bent to respectively opposite sides thereof, so that they will be formed thereon as laterally-projecting parts, which have side bearing against the sides of the jar-neck. These extremities lock under corresponding lugs formed on opposite sides of the jar-neck, and which are made with square end faces, against which the sides of the clamp contiguous to said bent extremities have bearing. The clamp is provided with a set-screw in its central body, which has end bearing upon the top of the jar-cover, and secures the latter in place.

Referring to the drawings, Figure 1 is a view, in side elevation, of a jar provided with my improvement. Fig. 2 is a plan view of the same. Fig. 3 represents the jar and lid removed from each other. Fig. 4 is a view showing the lid and top of the jar in vertical transverse section.

Any style or construction of jar and cover may be used, and the same be made of any desired material—glass, tin, or otherwise. The clamp A is provided with the extremities *a*, bent laterally therefrom and on opposite sides of the clamp. They engage with the lugs B, which latter are formed on opposite sides of the jar-neck, and are adapted to have the said angular extremities of the clamp lock under them. These lugs may be of any suita-

ble size and length; but, preferably, I make them tapering in longitudinal form, and of size, relative to the jar, substantially as shown in the drawings, the end portions, with which the clamp engages, being larger than the remaining body of the lugs.

The lugs are made with square end faces, against which the sides of the clamp adjacent to its angular extremities have bearing. The thumb-screw C works in a vertical slot formed in the central body of the clamp, and has end bearing upon the lid or cover of the jar. By adjusting the same, the cover is secured to the jar in any degree of tightness, or released from engagement therewith.

Instead of bending the extremities of the clamp, the laterally-projecting formations which engage with the lugs may be made separate therefrom and then united with the clamp by any suitable process; also, it is not necessary that the lug-engaging formations of the clamp should be on opposite sides thereof, and they may be made on the same side, if so desired. In this latter case the position of the lugs would be changed to correspond therewith, and the two would not be formed on diametrically-opposite sides of the jar-neck. However, my preferred construction is to make the lug-engaging formations on opposite sides of the clamp, and to have them in single piece with the latter by bending the extremities thereof in lateral projection therefrom.

The top of the jar is made with the chamfered edge *d*, sloping inwardly in vertical diagonal inclination, and the inner rim *e*. The lid or cover is provided on its under side with the chamfered edge *f*, which corresponds to the edge *d* on the jar-top, and also with the rim *g*. The combination of the lid thus made with the top of the jar having the corresponding construction causes the gasket *h* to be secured vertically between the respective chamfered edges of the lid and jar, while it is prevented from coming in contact with the contents of the jar by means of the inner rims formed, respectively, on the lid and jar. The gasket is therefore compressed in place between lid and jar, so as to effectually seal the joint formed thereby, and yet the described inner rims guard it from projecting inward, so as to have its inner edge inside of the jar.

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

1. The combination, with a fruit-jar having suitable lugs formed on its neck, of a clamp provided with lug-engaging formations which project laterally from the main body of the clamp, substantially as set forth.

2. The combination, with a fruit-jar having lugs formed on its neck, which are made with square end faces, of a clamp whose lug-engaging extremities project laterally from its main body, and whose sides have bearing against the said end faces of the lugs, substantially as set forth.

3. The combination, with a fruit-jar having suitable lugs formed on its neck, of a clamp

whose angular extremities project laterally on opposite sides thereof and engage with said lugs, substantially as set forth.

4. The combination, with the fruit-jar whose top is provided with the chamfered edge and inner rim, of the lid or cover, correspondingly provided with a similar chamfered edge and inner rim, whereby the interposed gasket is prevented from coming in contact with the contents of the jar, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of March, 1878.

JOHN H. PHILLIPS.

Witnesses:

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