J. T. SCHAFFER.

FRUIT-JAR.

No. 186,629. Patented Jan. 23, 1877.

Fig. 2.

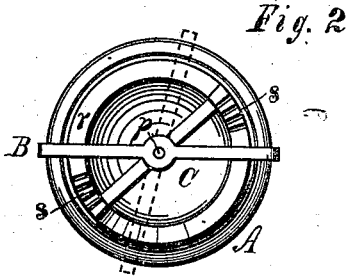
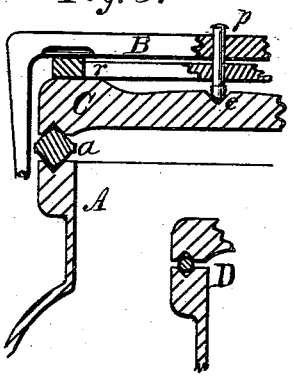


Fig. 3.



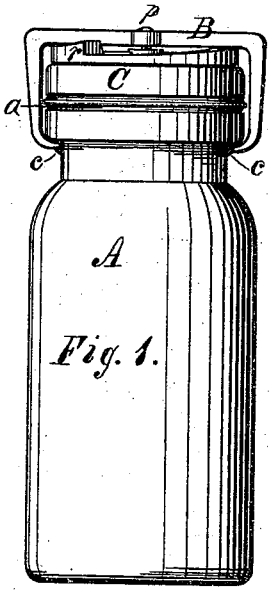
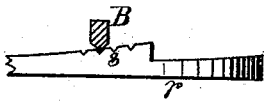


Fig. 1.

Fig. 4.



Witnesses:

R. Le Palmer

G. A. Hubbard

Inventor:

John T Schaffer.

by E. B. Whitmore, Atty.

UNITED STATES PATENT OFFICE.

JOHN T. SCHAFFER, OF ROCHESTER, NEW YORK, ASSIGNOR OF ONE-THIRD HIS RIGHT TO FREDRICK G. ZUGELDER, OF SAME PLACE.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **186,629**, dated January 23, 1877; application filed December 6, 1876.

To all whom it may concern:

Be it known that I, JOHN T. SCHAFFER, of Rochester, in the county of Monroe and State of New York, have invented a new and useful Improvement in Fruit-Jars, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a side elevation of a fruit-jar with my improvement attached; Fig. 2, a top view of the same; Fig. 3, a vertical section; and Fig. 4, an auxiliary figure, explained farther on.

The object of my invention is to furnish a device for holding the cover of a fruit-jar upon the mouth of the same, mainly by means of a metallic clamp pivoted centrally to a ring provided with inclined surfaces, by means of which the clamp is tightened upon the jar. Notches in the ring, engaging the clamp, hold it from slipping out of place.

In the drawing, A is the body of an ordinarily-formed fruit-jar, of which C is the cover, the opposing portions of both being grooved to receive the sealing-ring *a*. (More clearly shown in Fig. 3.) The clamp B and ring *r* are connected at their centers by the pivoting-pin *p*, and, when placed in position, the said ring rests centrally upon the cover, while the ends of the clamp reach downward and grasp the bead surrounding the mouth of the jar, as shown in Fig. 1. The upper side of the ring is composed of two corresponding inclined surfaces, situated diametrically opposite; and it will be understood that when the clamp is swung so as to ride upward on these surfaces the cover will be pressed down upon the interposed sealing-ring *a*, and when swung in the opposite direction it will be loosened, and, with the ring *r*, may be slid laterally off the jar.

For tightening the clamp, I sometimes use a wrench to turn the ring, instead of the clamp, and for this purpose I form lugs *c* in the glass, to hold the clamp from turning when the wrench is applied.

The inclined surface of the ring *r* I provide with notches *s*, Figs. 2 and 4, which prevent the clamp slipping from its position when strained upon the jar.

The cover is provided centrally, at its upper surface, with a conical depression, *e*, Fig. 3, in which rests the foot of the pin *p*, by means of which the ring *r* is kept centrally upon the cover. There is sufficient length between the shoulders of the pin to allow the clamp to rise as it is moved up the inclines of the ring.

The india-rubber sealing-ring *a* is designed to be molded, and may be of various forms of cross-section—*i. e.*, round, square, &c.; but I prefer the form shown at *a*, Fig. 3, provided with slight lateral projections.

I claim as my invention—

1. In a fruit-jar fastening, a double-inclined separate ring, *r*, provided with notches *s*, substantially as shown and described, in combination with a clamp, B, and pivoting-pin *p*, for the purpose set forth.

2. A cover, C, provided centrally, at its outside surface, with the conical depression *e*, for the purpose of receiving the foot of the centering-pin *p*, in combination with said pin, separate ring *r*, and clamp B, substantially as shown and described.

3. The lugs *c*, in combination with the jar A, clamp B, and double-inclined notched separate ring *r*, substantially as and for the purpose set forth.

JOHN T. SCHAFFER.

Witnesses:
E. B. WHITMORE,
J. S. GARLOCK.