

Clark & Mascroft,

Fruit Jar.

No. 107,449.

Patented, Sep. 20, 1870.

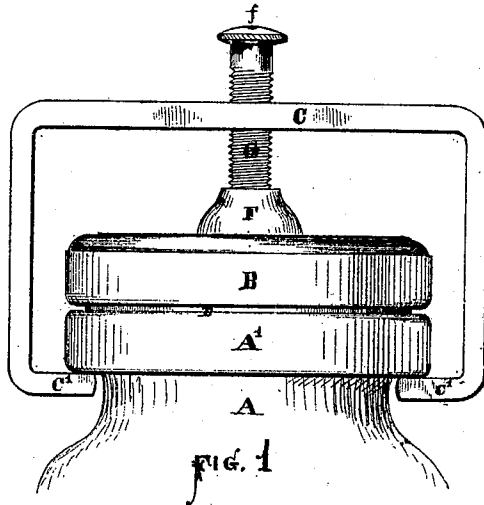


FIG. 1

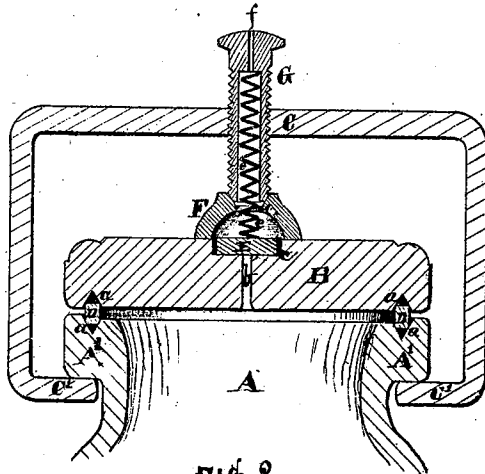


FIG. 2

WITNESSES

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THOMAS A. CLARK AND HENRY C. MASCROFT, OF WORCESTER, MASS.

## IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. 107,449, dated September 20, 1870.

*To all whom it may concern:*

Be it known that we, THOMAS A. CLARK and HENRY C. MASCROFT, both of the city and county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Fruit-Jars; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1 represents a side view of our improved fruit-jar, and Fig. 2 represents a central vertical section of the same.

To enable those skilled in the art to which our invention belongs to make and use the same, we will proceed to describe it more in detail.

The nature of our invention consists in an improved fruit-jar, as hereinafter described.

In the drawings, the parts marked A represent the jar; B, the cover; and C, the clamping-yoke. In the top of the jar A and in the lower side of the cover B there are formed annular triangular-shaped grooves *a*, to receive the rubber packing-ring D, which ring D is arranged as indicated in Fig. 2. An opening, *b*, is formed through the center of the cover B, and a valve, E, of rubber or other suitable material, is fitted into a recess, *c*, formed for its reception in the top of the cover B, around the hole *b*, which hole *b* is completely closed by the valve E, and any air prevented from entering the jar, while at the same time air can readily be forced out of the jar, as any pressure in an upward direction will raise the valve E. The valve E is shielded by a cap, F, the latter being held in place by the hollow screw G, arranged in the center of the yoke C, the lower end of which screw G is fitted into the opening at the top of the cap F, as shown in the drawings. The lower end of the screw G is bored or cored out sufficiently to receive a coiled-wire spring, *e*, for holding down the valve E, while a small opening, *f*, is formed through the top of screw G for the exit of air. The ends of the yoke C are turned downward and inward, as shown at C', so as to hook under the rim A' of the jar, as fully indicated in the drawings.

By the use of our improvement the valve

device does not require to be attached to the cover B; consequently glass covers may be used upon the jars, which are preferred by many to metallic covers.

By arranging the packing-ring D between the triangular grooves *a*, as shown, it has a bearing upon the glass in four different places, each of which is independent of the other bearing; consequently the packing is much more secure than when arranged in the ordinary way.

When metallic covers are used the cap-piece F may be soldered to the top of the cover, if desired.

The ventilating-hole *f* may be made through the cap F, instead of through the screw G, if preferred. Then, again, the cap F may be dispensed with, and the screw G enlarged and allowed to come down directly upon the cover, outside of the valve E. Still again, in lieu of forming a ventilating-hole through the screw or cap, grooves may be formed in the top of the cover, which radiate from the valve-recess *c*, and thus allow the air to pass out under the edge of the cap F or screw G, as the case may be.

Having described our improved fruit-jar, what we claim therein as new and of our invention, and desire to secure by Letters Patent, is—

1. The ventilating and tightening screw G, provided with an aperture or apertures for the escape of air from the jar, and with an exterior screw-thread to engage with the bail or other device used to hold the cover down, substantially as shown and set forth.

2. The combination, with the cover B and yoke C, of the tightening-screw G, spring *e*, valve E, and cap-piece F, substantially as and for the purposes set forth.

3. The jar-rim A and cover B, provided each with a triangular groove, *a*, in combination with the gasket or packing-ring D, which, when the cover is pressed down upon the rim, is received and held in said grooves in the manner shown and described.

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Witnesses:

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