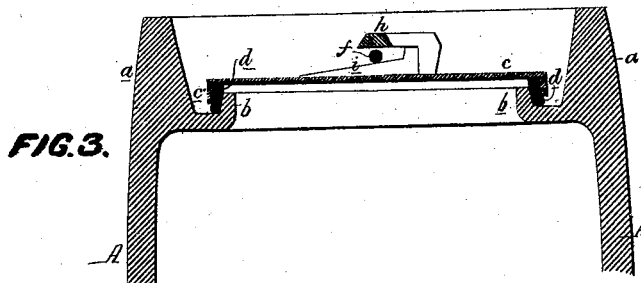
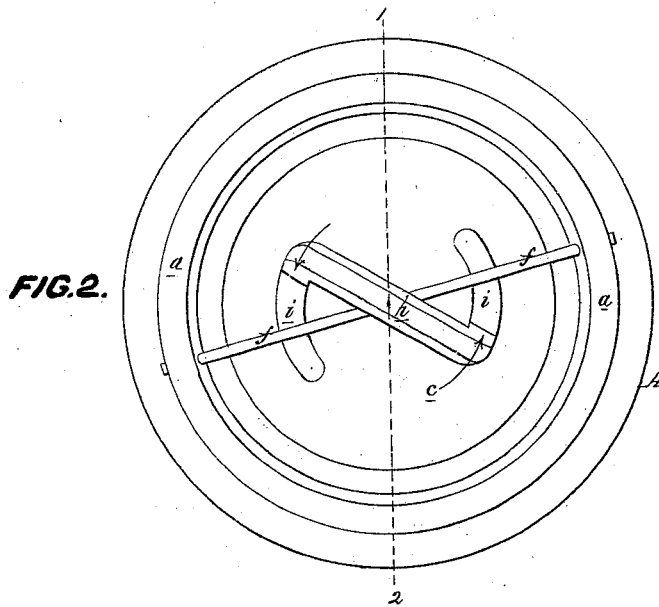
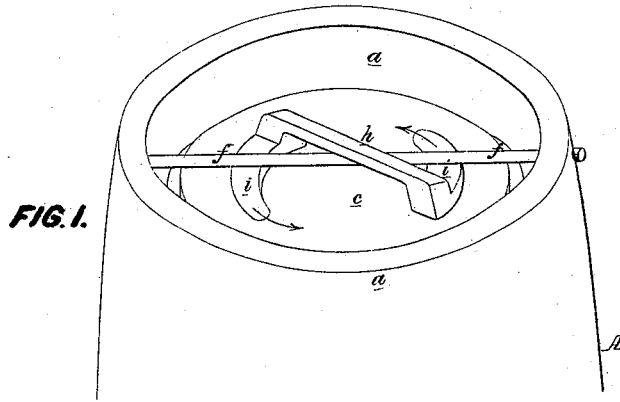


W. Galloway,

Fruit Jar.

No. 109,507.

Patented Nov. 22, 1870.



WITNESSES { *Mr. A. Steel.*
John Parker

William Galloway
by his atty.
Henson and son

United States Patent Office.

WILLIAM GALLOWAY, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 109,507, dated November 22, 1870.

IMPROVEMENT IN SECURING THE TOPS OF FRUIT-JARS.

The Schedule referred to in these Letters Patent and making part of the same.

I, WILLIAM GALLOWAY, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an improved Fruit-Jar, of which the following is a specification.

Nature and Object of the Invention.

My invention consists in the combination, with a detachable rod adapted to an extension of the body of the jar, and with the cover, of an arm, having cam-like projections, the whole forming a cheap and effectual fastening device, as will be fully described hereafter.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of the upper portion of my improved fruit-jar;

Figure 2, a plan view of the same; and

Figure 3, a sectional view on the line 1 2, fig. 2.

General Description.

The body *A* of the jar has an extension, *a*, which projects above the neck *b*, the cap or cover *c*, and the fastening devices above the latter.

A packing-ring, *d*, is placed vertically outside the neck *b*, so as to project above the latter, and the cover *c*, which may be of metal or other material, bears directly upon this packing, and has, in the present instance, a flange, *c'*, extending over the same.

The fastening device consists of a detachable rod, *f*, which is passed through holes in the extension *a* of the body of the jar, and of an arm, *h*, provided, at its opposite ends, with cam-like projections, *i i*.

To tighten the cover, the arm *h* is laid across the

detachable rod in the manner shown in figs. 1 and 2, while its cam-like projections are inserted beneath the rod, and between the same and the cover. The arm is then turned in the direction of the arrows, until the cam-like projections are tightened between the rod and the cover, and the latter is forced down onto the packing.

To remove the cover it is only necessary to turn the arm in the contrary direction, in order to loosen the cam-like projections and enable the rod *f* to be detached.

The extension of the body of the jar, so as to protect the cover and fastening devices, and enable the jars to be packed closely together, is applicable to jars having fastenings different from that above described. It might be used, for instance, in connection with the cam-fastener for which Letters Patent were granted me on the 5th day of April, 1870.

I prefer, however, to use the arm with its cam-like projections in connection with the detachable rod *f*, as a fastening device, on account of its simplicity and the readiness with which it can be manipulated.

Claim.

In combination with the detachable rod *f* and cover, the arm *h*, with its wedge-like projections *i i*.

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

WM. GALLOWAY.

Witnesses:

WM. A. STEEL,

FRANK B. RICHARDS.