

R. HEMINGRAY.

Fruit Jar.

No. 48,399.

Patented June 27, 1865.

FIG. 1.

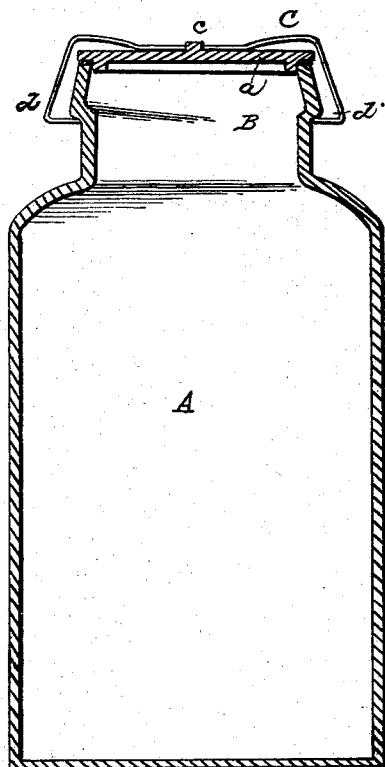
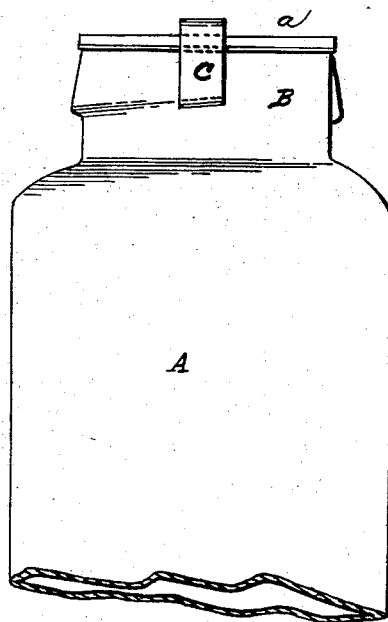


FIG. 2.



WITNESSES:

*W. B. H. H. H.*  
*D. L. P. H.*

INVENTOR.

*R. Hemingway*

# UNITED STATES PATENT OFFICE.

ROBERT HEMINGRAY, OF CINCINNATI, OHIO.

## IMPROVED FRUIT-JAR.

Specification forming part of Letters Patent No. 48,399, dated June 27, 1865.

*To all whom it may concern:*

Be it known that I, ROBERT HEMINGRAY, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Glass Fruit-Jars; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings and letters of reference marked thereon, the same forming part of this specification.

My invention relates to that class of jars in which the top or cover is held in place by a clamp extending across the top and down upon two opposite sides of the neck, and then turning inward, so as to form a projection or catch, one upon each side, which is adapted to a spiral projection or ledge formed upon the neck of the jar, the arrangement being such that by rotating the clamp it operates like the nut of a screw-bolt to compress and retain the cap upon the mouth of the jar.

My invention relates particularly to the form of the spiral projection upon the neck of the jar.

It has been common in making jars of this description to make the spiral projection around the neck of the jar in the form of a bead. This does not in all cases form full, so as to leave fair shoulders for the projections on the clamp; but the greatest objection to this construction is its liability to crumble or break off when exposed to the strain which it is necessary to employ with the clamp.

In my improved jar the projection which forms the shoulder is set out from the circle of the neck the proper distance for a shoulder, and then the outline is gradually contracted all the way to the mouth of the jar.

In the accompanying drawings, Figure 1 is a vertical section of my improved jar, and Fig. 2 is an elevation.

A is the body of the jar; B, the neck; *a*, the cap; *b*, a thin gasket.

C is the clamp, made of any suitable thin metal. The clamp is made with a small circular hole in the center, and a small circular pin, *c*, formed upon the cap *a*, passes through the same and retains the clamp centrally upon the cap while being rotated to tighten it upon the jar.

*d d* are shoulders, formed one upon each side of the neck of jar, beneath which the clamp acts in compressing the cap. From these shoulders or the outer circumference of the neck at the shoulders the outline is contracted gradually to the top. By this construction the shoulder can be made very square, and at the same time the strength of the parts will be preserved. The direction of the shoulders around the neck is spiral like a screw-thread, so that in rotating the clamp it compresses the cap upon the rim, and the shoulders run out, or an opening is left at appropriate points or opposite sides of the neck for the adjustment of the clamp.

Having thus fully described my invention, what I claim is the following:

The peculiar form of the neck of the jar from the spiral shoulders gradually contracting to the top, as herein shown and described.

ROBERT HEMINGRAY.

Witnesses:

W. H. BLYMYER,  
D. L. REID.