

H. C. GASKILL.
Fruit-Jars.

No. 136,148.

Patented Feb. 25, 1873.

FIG. 1

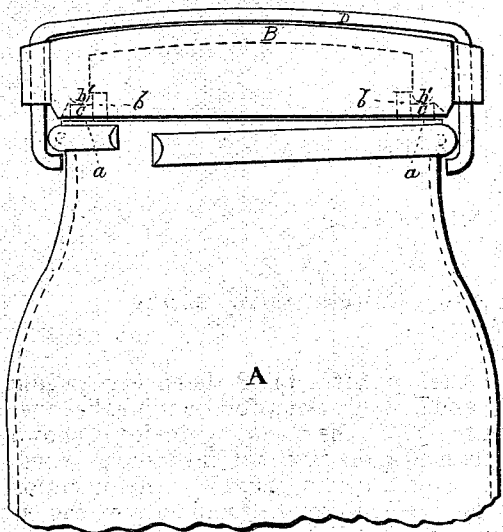


FIG. 2

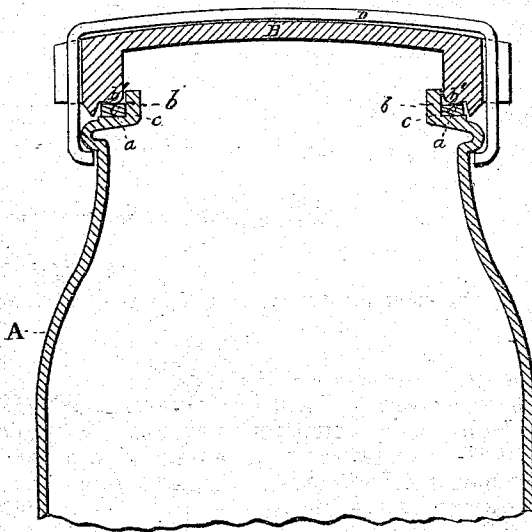


FIG. 3

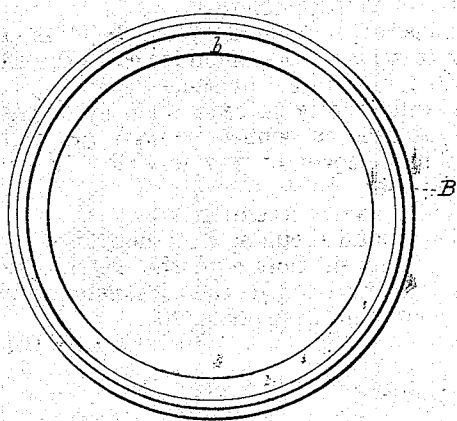
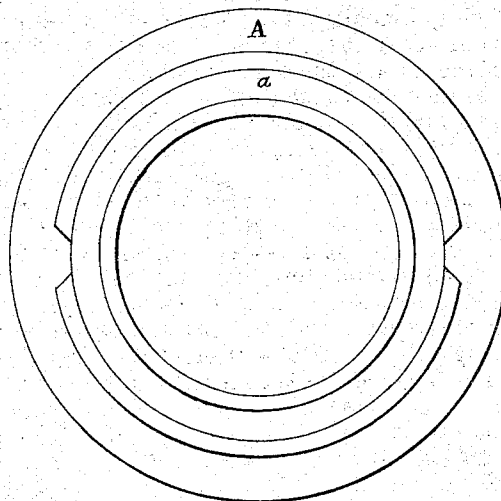


FIG. 4



Witnesses
Thomas J. Dewley.
William R. Wright

Inventor
Henry C. Gaskill
By His Attorney.
Stephen Ustick

UNITED STATES PATENT OFFICE.

HENRY C. GASKILL, OF MOUNT HOLLY, NEW JERSEY, ASSIGNOR TO HAY & CO., OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. 136,148, dated February 25, 1873.

To all whom it may concern:

Be it known that I, HENRY C. GASKILL, of Mount Holly, in the county of Burlington and State of New Jersey, have invented certain Improvements in Fruit-Jar Fastening, of which the following is a specification:

Heretofore difficulty has arisen from the cover springing in casting, so as to require a great pressure of the same upon the gum ring to make a tight fit all around, and thus to produce a great strain upon the fastening, tending to weaken it, and thereby inducing a breakage.

The object of my invention is the overcoming of this difficulty; and the invention relates to grinding the shoulder outside of the neck of the jar and the shoulder of the cover, which bears on the gum ring, so as to make a true joint, and thus require only a slight pressure upon the ring to make a perfect joint.

To make a perfectly air-tight joint with as little pressure of the cover upon the gum ring as possible, I give one of the shoulders a rounded or bead form, so as to press more tightly along the middle of the gum ring.

Figure 1 is a side elevation of the upper portion of the jar A with the cover B in position. Fig. 2 is a vertical section of the same. Fig. 3 is a face view of the inside of the cover B. Fig. 4 is a plan view of the jar A, the cover being removed.

Like letters in all the figures indicate the same parts.

A is the body of the jar; B, the cover; C, a gum ring; and D, a wire clamp for confining the cover upon the jar. The clamping device is shown and claimed in the patent of Theodore F. Woodward, dated November 29, 1870. My invention relates to grinding the shoulder *a* of the jar A outside of the neck *b* for the reception of the gum ring C and the shoulder *b'* of the cover, which bears upon the latter so as to require but little force in clamping down the cover to make a perfectly air-tight joint. I have represented the shoulder *b'* of rounded form in its cross-section, so that a slight force exerted in clamping on the cover will cause it to bite sufficiently into the gum ring to make the joint complete.

If desired, the shoulder *a* may be of rounded form instead of the shoulder *b'*, as the effect on the joint will be the same.

It will readily be seen that my invention may be used in connection with any fastening for the cover of jars in which an elastic ring is used.

I claim as my invention—

The ground shoulder *a* of the fruit-jar, and the ground shoulder *b'* of the cover, in combination with the gum ring C, substantially as and for the purpose set forth.

H. C. GASKILL.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.