

T. HIPWELL.
Fruit-Jars.

No. 155,307.

Patented Sept. 22, 1874.

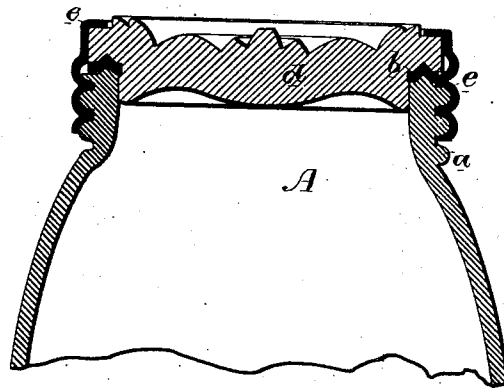


FIG. 1.

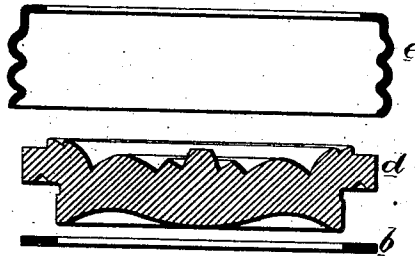


FIG. 2.

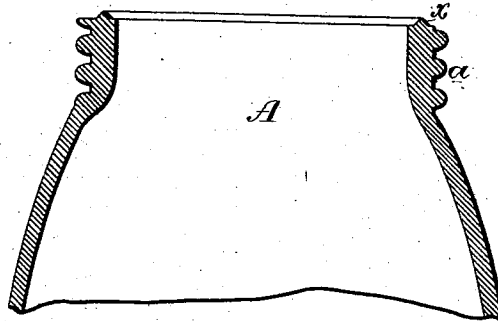
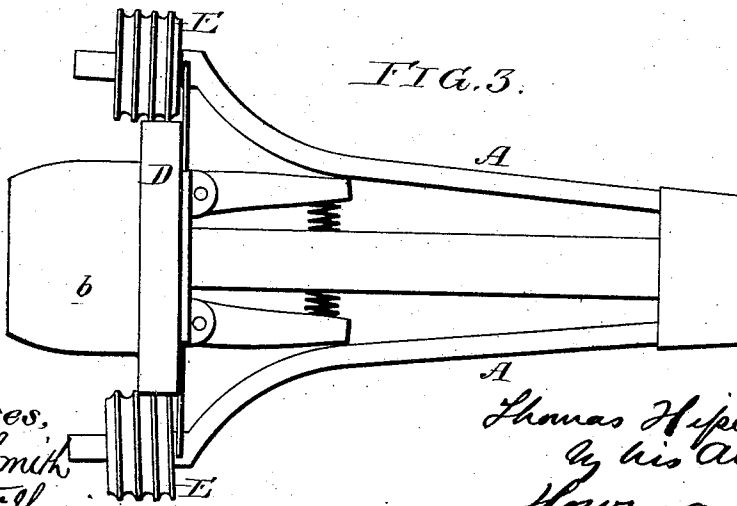


FIG. 3.



Witnesses,
Harry Smith
Thomas M. Swanwick

Thomas Hipwell
by his Attys.
Howes and Son.

UNITED STATES PATENT OFFICE.

THOMAS HIPWELL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
HENRY H. KENNEDY, OF SAME PLACE.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **155,307**, dated September 22, 1874; application filed
January 20, 1874.

To all whom it may concern:

Be it known that I, THOMAS HIPWELL, of Philadelphia, Pennsylvania, have invented an Improved Fruit-Jar, of which the following is a specification:

My invention relates to that class of fruit-jars in which an annular packing is compressed between the cap and the edge of the mouth; and the object of my invention is such a jar provided at the edge of the mouth with a true V-shaped annular rib or projection, against which the rubber is compressed, so as to form a perfectly tight joint.

Figure 1 represents a vertical section of the upper portion of a fruit-jar of the class to which my invention relates; Fig. 2 being the same as Fig. 1, but showing the several parts detached from each other.

A represents the upper portion of the glass jar, and *a* its screw-neck. *b* is the rubber packing-ring, resting on the V-shaped annular rib on the mouth of the jar; *d*, the glass cover, and *e* the usual metallic screw-ring. I have succeeded in making the edge *x* of the mouth perfectly true, and also in forming on this edge a perfectly true V-shaped annular projection, *x*, for indenting the rubber packing forced against it. I attain this desirable result by the aid of the instrument which is shown in Fig. 3, and which forms the subject of Letters Patent allowed to me February 6,

1874, and hence will not demand a minute description here. It will suffice to remark that the heated top of the jar is placed over the projection *b* of the instrument, the edge of the mouth being pressed against the plate D, and the grooved or threaded rollers E, carried by arms A, pressed against the neck of the jar while the latter is turned round. The smooth edge *x* is thus obtained by pressing and turning it against the plate D, while the thread is completed by the action of the grooved or threaded rollers during this turning of the jar.

I am aware that annular ribs have been formed on shoulders arranged below the mouths of jars, and that the packing has been employed with a recessed cap, doubling it over the narrow edge of the mouth; I therefore do not claim, broadly, a jar having an annular rib at the mouth; but

I claim—

A fruit-jar having at the edge of the mouth a true V-shaped annular rib, and a flat bearing-surface at each side of the rib, as set forth.

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

THOS. HIPWELL.

Witnesses:

WM. A. STEEL,
HARRY SMITH.