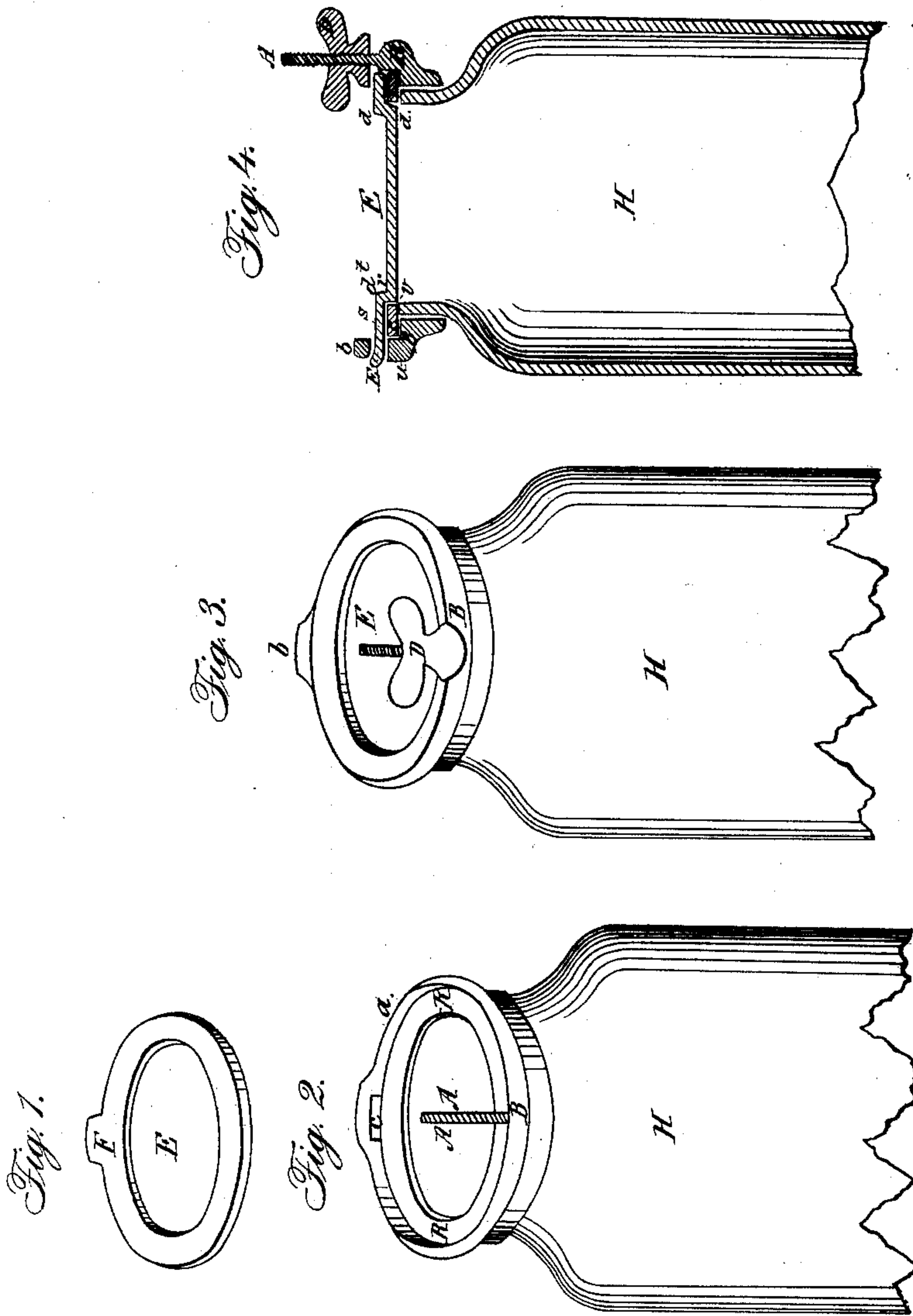


T. B. & J. S. ATTERBURY.
Fruit-Jar Cover.

No. 30,662.

Patented Nov. 20, 1860.



Witnesses:

Henry Wright
Henry Wright

Inventor:

Thomas B. Atterbury
James S. Atterbury

UNITED STATES PATENT OFFICE.

THOS. B. ATTERBURY AND JAS. S. ATTERBURY, OF PITTSBURG, PA.

IMPROVEMENT IN COVERS FOR FRUIT-JARS.

Specification forming part of Letters Patent No. 30,662, dated November 20, 1860.

To all whom it may concern:

Be it known that we, THOMAS B. ATTERBURY and JAMES S. ATTERBURY, both of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Preserve-Jar Covers; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a detached perspective view of the cover. Fig. 2 is a perspective view of the jar and cover-fastening. Fig. 3 is a perspective view of the jar, cover-fastening, and the cover all connected; and Fig. 4 is a vertical central section of the same.

Similar letters of reference in each of the several figures indicate corresponding parts.

The nature of our invention consists in a metallic ring constructed with a circular shoulder, a vertical screw, and a vertical narrow slotted lug, in combination with a shouldered and lipped cover, a rubber gasket, a clamping-nut, and a preserve-jar with a straight neck, all in the manner and for the purposes herein-after described.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

H is the preserve-jar. Its neck is vertical.

B is the metallic ring, fitted snugly round the neck of the jar. This ring extends up above the top of the neck of the jar, and has a circular shoulder or is recessed, as at *a*, on its inner circumference. Within this recess and on the top edge of the jar a ring rubber gasket, G, is placed, as represented in the drawings. From one point of the circumference of the ring a narrow lug, *b*, projects upward, said lug having a slot, *c*, cut horizontally through it, and from a diametrically-opposite point of the circumference of the ring a vertical screw, A, projects upward.

E is the cover of the jar. It is countersunk or made with a circular shoulder, *d*, on its upper surface and a shoulder, *d'*, on its under

surface. It also has a narrow curved lip, F, projecting from one point of its circumference. To apply this cover and confine it on the jar, and also make the jar air-tight, the lip F is passed through the slot of the lug *b*, and the under shoulder of the cover fitted down into the mouth of the jar until the flange of the cover rests down upon the rubber gasket. At this stage a clamping thumb-nut, D, is placed on the screw A and screwed down until the rubber is fully compressed and closes air-tight the four points *s t u v*.

It will be observed that the farther the screw is forced down the greater will be the pressure at the points *s t u v*, for the lug *b*, although it allows the cover to go down, resists all upward movement of the same. It will also be observed that the power of the screw is applied at the greatest possible distance from the fulcrum *b*, and thus great pressure is exerted upon the rubber gasket. It will also be observed that the shoulder *d'* of the cover and the shoulder *a* of the ring prevent lateral spreading of the rubber gasket, and thus insures a perfect air-tight joint, and also protects it from contact with the contents of the jar. If the rubber were allowed to spread laterally, the joint would not be made tight by continuing to screw down the clamp-nut, and if it were allowed to come in contact with the fruit it would impart bad taste to the same.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

The arrangement and combination of the preserve-jar H, metallic ring B, constructed with a shoulder, *a*, lug *b*, slot *c*, and screw A, rubber-ring gasket G, clamp-nut D, and cover E, constructed with a curved lip, F, and shoulder *d*, all in the manner and for the purposes herein described.

THOMAS B. ATTERBURY.
JAMES S. ATTERBURY.

Witnesses:

HUGH WRIGHT,
HOMER WRIGHT.