

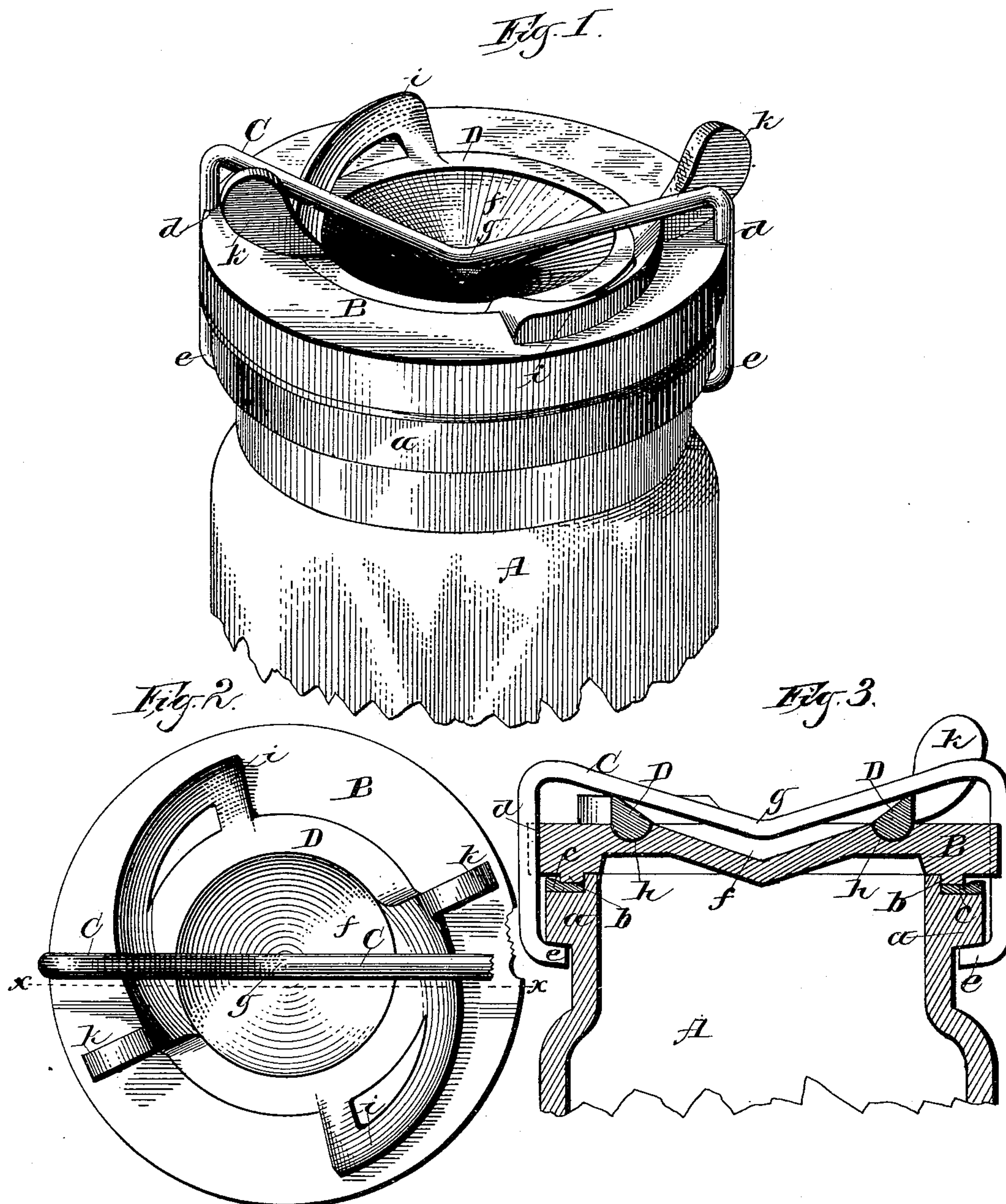
(No Model.)

E. H. RICE.

JAR CLAMP.

No. 353,590.

Patented Nov. 30, 1886.



**Witnesses:**

E. G. Formus

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# UNITED STATES PATENT OFFICE.

EDWARD H. RICE, OF MENDOTA, ILLINOIS.

## JAR-CLAMP.

SPECIFICATION forming part of Letters Patent No. 353,590, dated November 30, 1886.

Application filed October 12, 1886. Serial No. 215,984. (No model.)

### *To all whom it may concern:*

Be it known that I, EDWARD H. RICE, of Mendota, in the county of La Salle, and in the State of Illinois, have invented certain new and useful Improvements in Clamps for Jars; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to certain new and useful improvements in clamps for fruit-jars; and it consists in certain peculiarities of construction, to be hereinafter described with reference to the accompanying drawings, and subsequently claimed.

In the drawings, Figure 1 represents a perspective view of my invention, illustrating the same in operative position; Fig. 2, a plan view, and Fig. 3 a vertical transverse section taken on line *x x*, Fig. 2.

Referring by letter to the drawings, A represents a portion of an ordinary fruit-jar, that has an annular bead, *a*, near its upper end to form a seat for a similar bead, *b*, on the under face of a lid, B; and between these beads is usually interposed a packing-ring, *c*, of rubber or other suitable material. Ordinarily the lid B has its periphery provided with recesses *d*, that serve as seats for the vertical portions of a wire bail, C, the terminals *e* of the latter being bent in to come under the annular bead *a* on the jar.

The top of the lid B has a conical depression, *f*, and that portion of the wire bail C that crosses said lid is bent down, as shown at *g*, to correspond with said depression, above named. The top of the lid B is also provided with an annular groove, *h*, that receives a ring, D, the latter having flanges *i*, of even height throughout, but which are eccentric in a horizontal plane, and thus present an even bearing-surface against the bent portion of the bail C; and projecting from the ring are thumb-pieces *k*, for turning the same. The flanges *i* on the ring D are diametrically opposed to each other, and from the fact that these flanges are eccentric in a horizontal plane the diameter is least between the points where the ears *k* join said flanges, and greatest between the points farthest from these ears.

In the operation of my invention, the several parts being in their relative arrangement,

the flanges on the ring are brought under the bent bail by a movement of said ring in a direction from right to left, the diameter between these flanges being gradually shortened as the thumb-pieces approach toward said bail, thereby causing the latter to tighten in proportion to this decreasing diameter. To loosen the lid, the flanged ring is moved in a reverse direction to that above described.

It will be noticed that as the diameter between the flanges on the ring decreases the center or the lowest point on the transverse portion of the bail is approached, the bearing between the parts being even and continuous.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a jar provided with a bead, of a lid that rests on the bead and has its top provided with a central depression and annular groove, a ring fitted loosely in said groove and provided with flanges that are of even height throughout, but eccentric in a horizontal plane, and thumb-pieces, and a bail having the transverse portion thereof bent to correspond with the depression in the lid, and its vertical portions turned in to come under the bead on the jar, substantially as and for the purpose set forth.

2. The combination, with a jar provided with a bead, of a lid that rests on the bead and has recesses in its periphery and a central depression and annular groove in its top, of a ring loosely fitted in said groove and provided with flanges that are of even height throughout, but eccentric in a horizontal plane, and thumb-pieces, and a bail having the transverse portion thereof bent to correspond with the depression in the lid and its vertical portions seated in the recesses of said lid and turned in to come under the bead on the jar, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Mendota, in the county of La Salle and State of Illinois, in the presence of two witnesses.

EDWARD H. RICE.

Witnesses:

F. P. SNYDER,  
E. E. SMITH.