

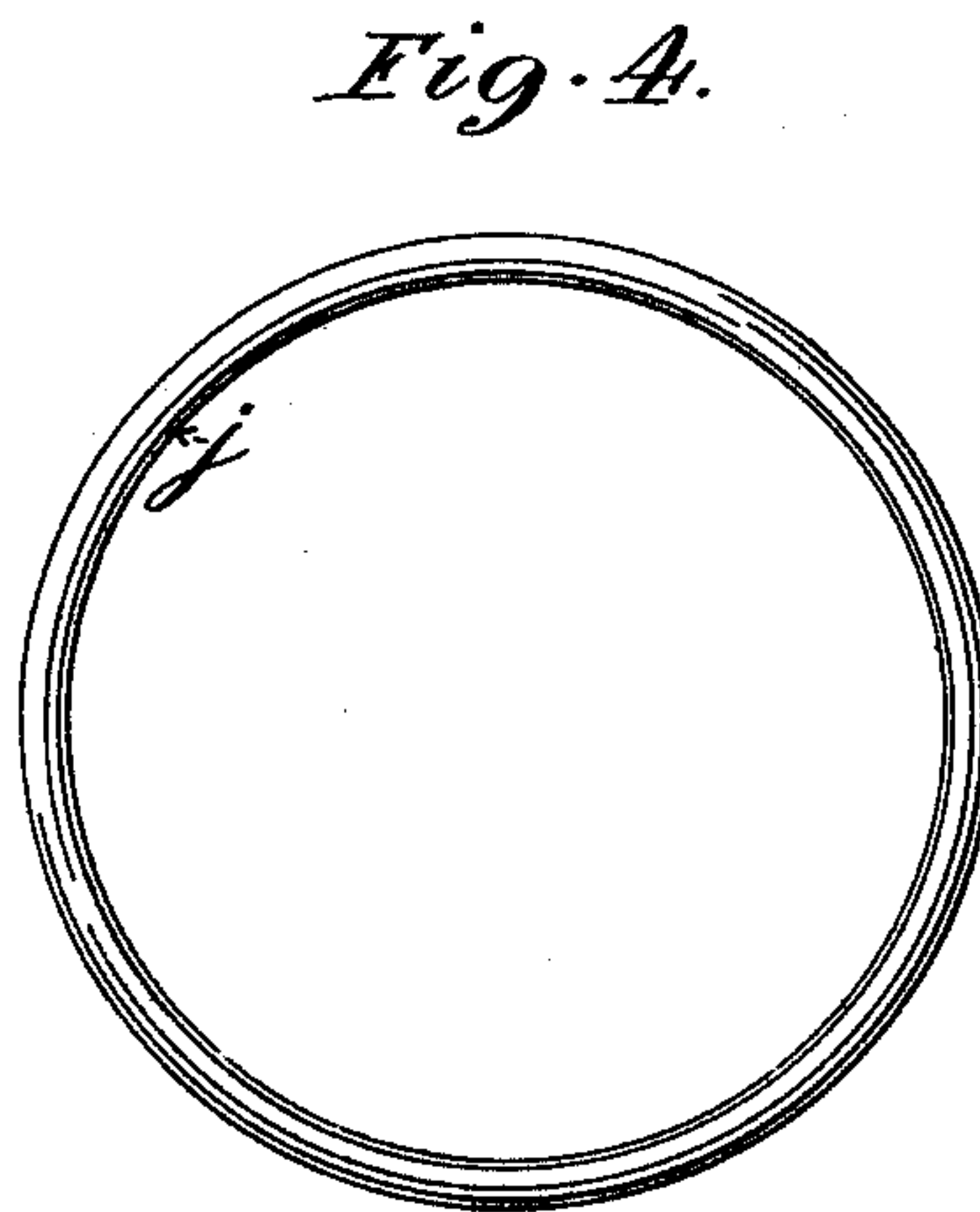
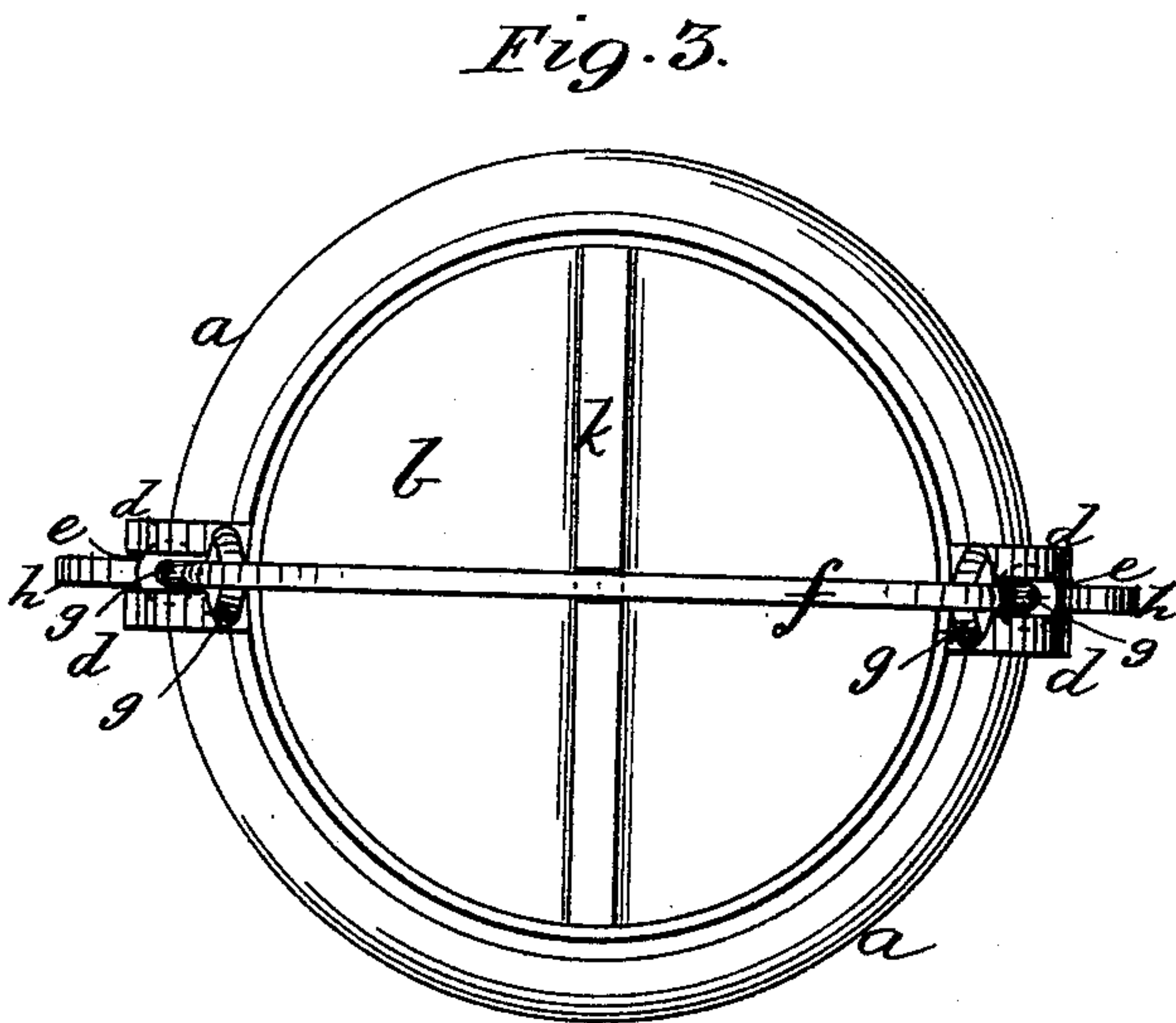
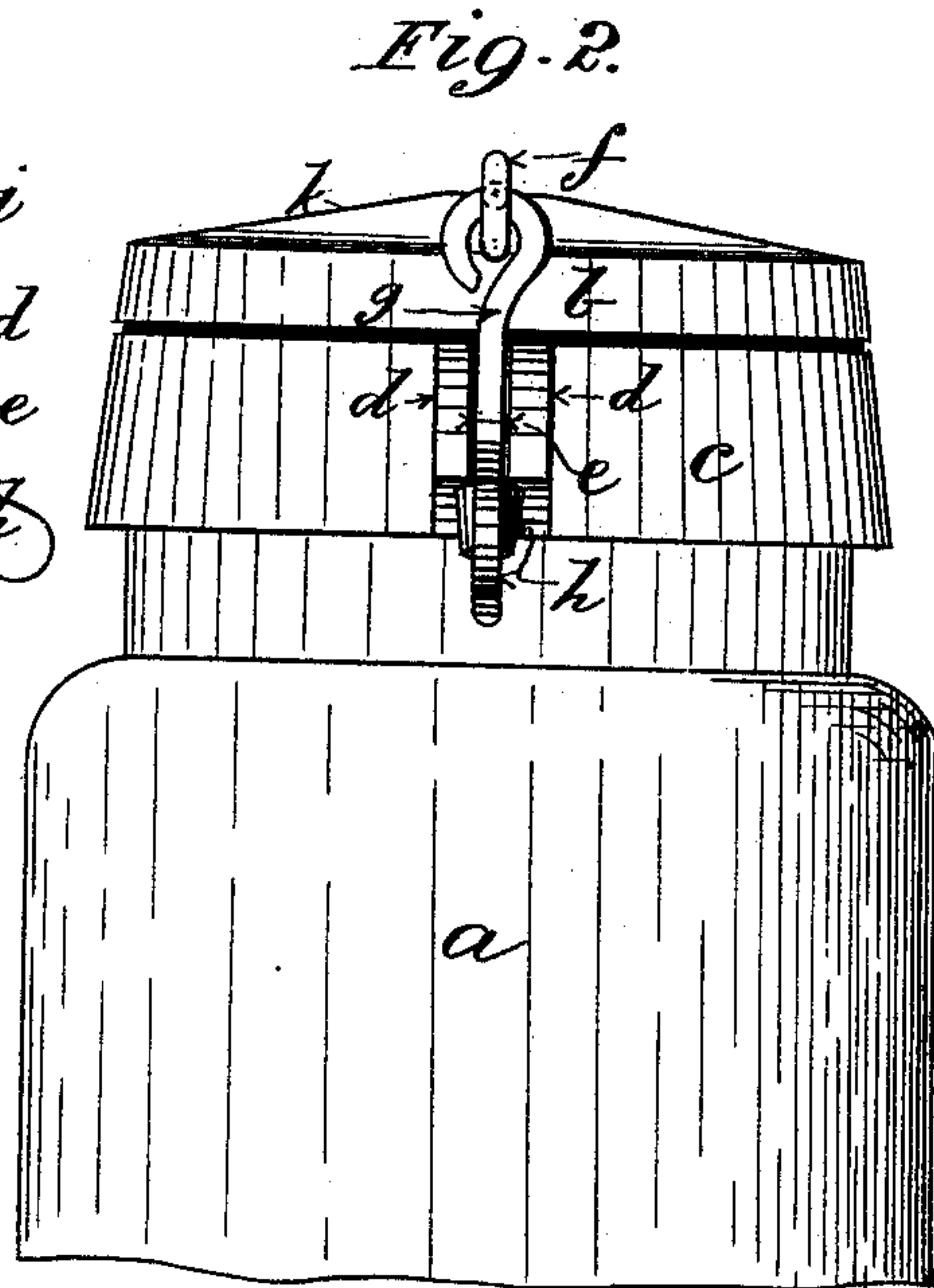
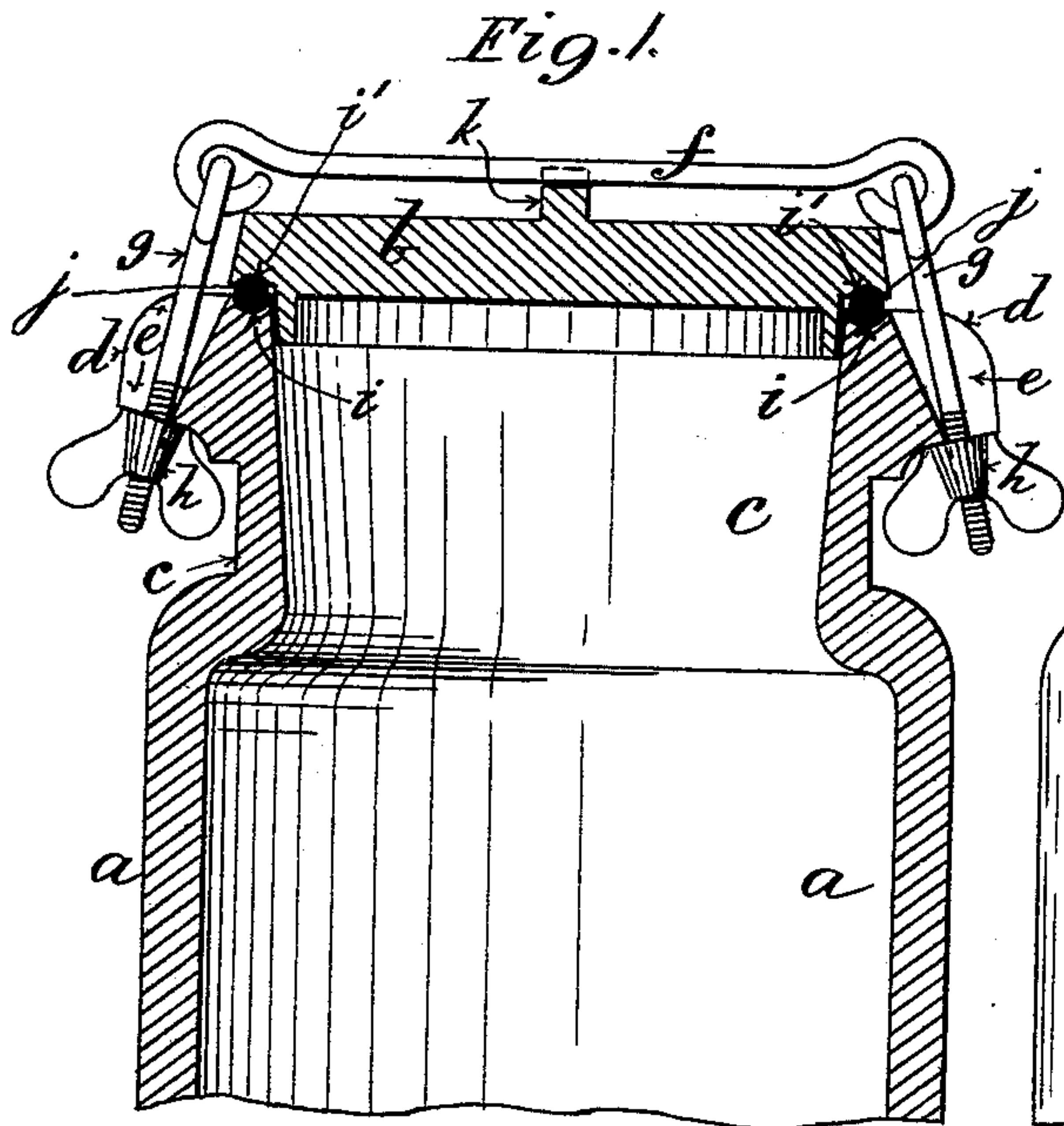
(No Model.)

C. MOORE.

MEANS FOR CLOSING THE MOUTHS OF FRUIT OR OTHER JARS.

No. 415,278.

Patented Nov. 19, 1889.



WITNESSES
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UNITED STATES PATENT OFFICE.

CHRYSANTHUS MOORE, OF ST. MARY'S, ST. GENEVIEVE COUNTY, MISSOURI.

MEANS FOR CLOSING THE MOUTHS OF FRUIT OR OTHER JARS.

SPECIFICATION forming part of Letters Patent No. 415,278, dated November 19, 1889.

Application filed August 2, 1889. Serial No. 319,521. (No model.)

To all whom it may concern:

Be it known that I, CHRYSANTHUS MOORE, a citizen of the United States, residing at St. Mary's, St. Genevieve county, State of Missouri, have invented a certain new and useful Improved Means of Closing the Mouths of Fruit or other Jars, of which the following is a full, clear, and exact description.

My invention relates to an improved fastening and sealing device for the covers of fruit or other jars, and has for its object to effect a perfect sealing of the mouth of a jar, and at the same time enable the cover to be readily removed and replaced.

It consists of features of novelty herein-after claimed.

On the accompanying drawings, Figure 1 represents a sectional elevation of a fruit-jar broken away and closed at the mouth by my invention; Fig. 2, an elevation thereof, taken at right angles to Fig. 1; Fig. 3, a plan of the same, and Fig. 4 a plan of a portion of the device seen in Figs. 1 and 2 detached, like letters of reference denoting like parts in all the figures.

a represents a fruit-jar (broken away) provided at its mouth with a cover *b*. On the neck *c* of the jar *a*, at opposite points of its circumference, adjacent to the mouth, are lugs or ears *d*, through which are formed vertically-arranged or inclined slots *e*, (or holes,) if preferred. Across and bearing upon the top of the cover *b* in line with the slots *e* is a bar *f*, composed of wire or other suitable material, to which are hinged, so as to depend through the slots *e*, rods *g*, which are screw-threaded for a suitable distance from their lower ends and provided thereat with nuts *h*, which, when the cover *b*, with the bar *f*, is placed over the mouth of the jar *a*, engage against the under sides of the lugs *d* on the neck *c*. In the upper edge of the neck *c*, around the mouth of the jar *a*, is formed a segmental circular-shaped groove *i*, in which is laid a rubber or other yielding ring *j*, a corresponding groove *i'* being formed in the under side of the cover *b*, so that when the latter is placed in position over the mouth of the jar *a*, with the ring *j* within the grooves *i* and *i'*, contact between the cover *b* and upper edge of the jaw *a* is prevented by the ring *j*.

The various parts being located as described, by screwing up the nuts *h* against the under sides of the lugs *d* the bar *f* will be constrained downward by the rods *g* and press upon the cover *b*, so as to compress the ring *j*, thereby perfectly sealing the mouth of the jar *a* and preventing the access of air thereto, and at the same time securing the cover *b* to the jar *a*.

For insuring a more positive and uniform pressure of the bar *f* on the cover *b*, the top of the latter is formed with a rib *k*, on the upper edge of which the bar will bear, and thereby leave the ends of the bar *f* free to adjust themselves to the tension of the rods *g*; but this provision is not indispensable, as the bar *f* may be made in such form as to produce the desired effect by bearing directly on the top of the cover *b*.

I claim—

1. The combination, with the jar and cap having each an annular groove on its adjacent face adapted to receive a gasket, of projections on the opposite sides of the jar provided with apertures, a cross-bar bearing on said cap at about its central point, screw-threaded rods pivotally secured to the ends of said cross-bar and adapted to pass through the apertures in said projections, and clamping-nuts on said screw-threaded rods, substantially as and for the purposes described.

2. The combination, with the jar having slotted projections on opposite sides of its neck, of a cap having a central projection on its upper face, said jar and cap having an annular groove on their adjacent faces adapted to receive a gasket, a cross-bar bearing on said projection on the cap, screw-threaded rods secured to the ends of said cross-bar and adapted to pass through the slots in said projections, and clamping-nuts on said rods, substantially as and for the purposes described.

In testimony whereof I affix my signature, in presence of two witnesses, this 27th day of July, 1889.

CHRYSANTHUS MOORE.

Witnesses:

LOUIS SCHAAF,
JOHN LORENZ.