

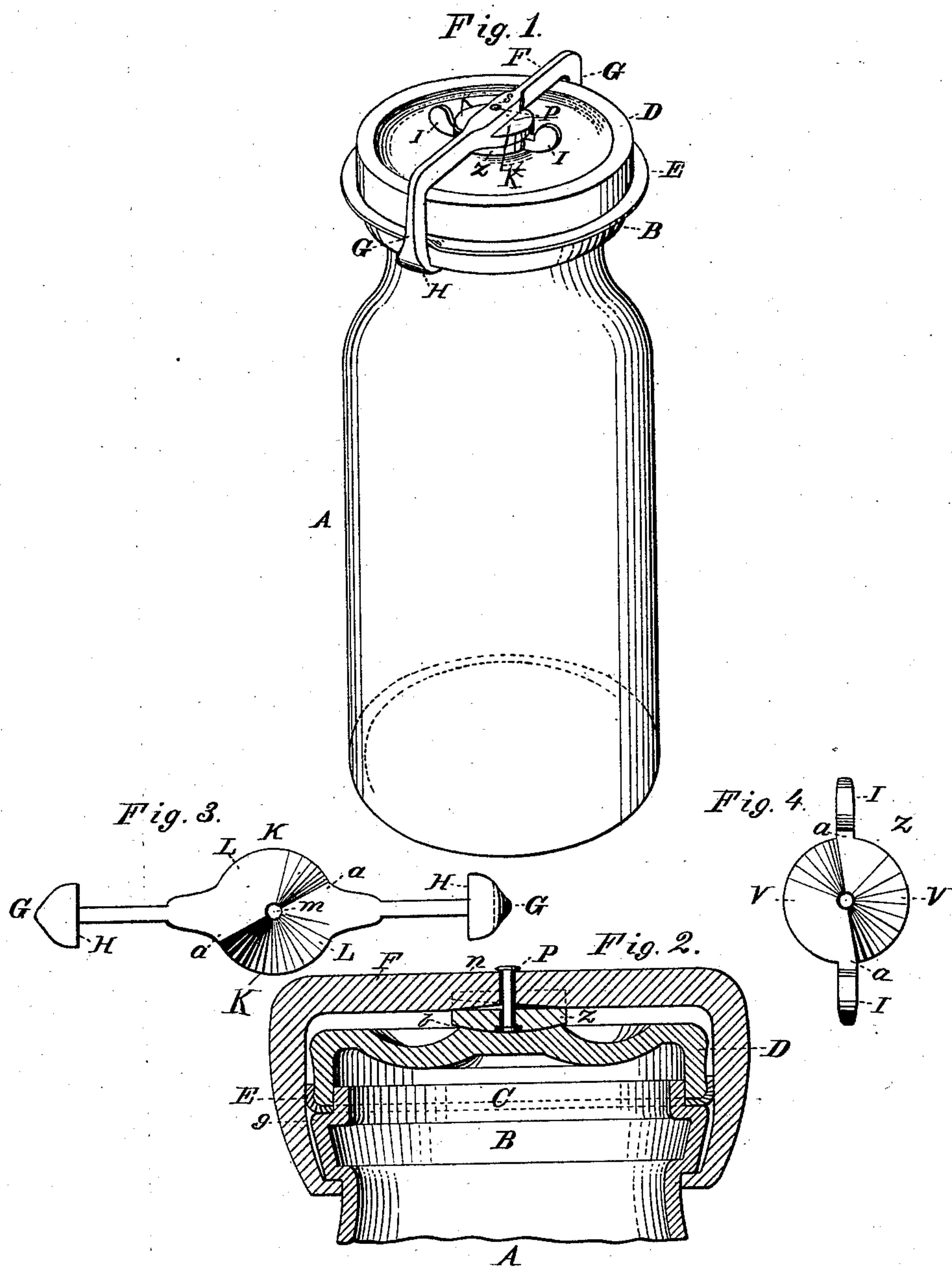
(No Model.)

P. LYON & J. H. BOSSARD.

FRUIT JAR.

No. 297,082.

Patented Apr. 15, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

PHILIP LYON AND JOSEPH H. BOSSARD, OF EAST STROUDSBURG, PA.

FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 297,082, dated April 15, 1884.

Application filed February 26, 1884. (No model.)

To all whom it may concern:

Be it known that we, PHILIP LYON and JOSEPH H. BOSSARD, citizens of the United States, residing at East Stroudsburg, in the county of Monroe and State of Pennsylvania, have invented certain new and useful Improvements in Fruit-Jars; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a perspective view of our device. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a bottom view of the part G detached from the jar, and Fig. 4 is a top view of the locking part Z detached from the jar.

This invention has relation to fastening devices for the covers of fruit-jars; and it consists in the construction and novel arrangement of the transverse clamp-bar having lateral depending arms formed with inwardly-turned ends, and a central perforated expanded portion having its under side formed by two semicircular inclined surfaces, and a turning disk having two semicircular inclined surfaces corresponding to those of the transverse bar, a pivot-pin long enough to allow the play of the cover extending upward loosely through the perforations of said bar, and lateral operating-lugs, substantially as specified.

In the accompanying drawings, the letter A designates a fruit-jar having the flange or bend B around its neck, and the lip C above said flange, adapted to receive the cover D.

E is a flat rubber ring or packing, which is placed, as usual, between the shoulder g and the cover, around the lip C.

F represents a transverse metallic bar long enough to span the cover diametrically, and having the depending arms G G, one at each end, said arms terminating in inwardly-expanded ends H, adapted to engage the under surface of the flange B of the jar-neck when the fastening is applied. The middle portion of the bar F is expanded, as shown at K, on each side, to form a circular bearing, the under side of which is formed by two semicir-

cular inclined surfaces, L, of equal slope and even height. A perforation, m, is made through the center of the bearing, extending through the rib n of the bar which strengthens said bearing on top.

Z represents a turning disk of circular form, the under side of which is flat or slightly convex, and the upper side of which is formed by semicircular inclined surfaces V, corresponding in size and degree of inclination to the inclines L of the central bearing, K, of the clamp-bar, which said inclined surfaces V are designed to engage. The disk is connected to the bar by means of a central upright pin, P, which, being secured to the cover centrally, extends upward through the perforation m of the bar, and is headed at its upper end, as at s, to prevent the cover from becoming entirely disengaged from the bar and lost. The length of this pin is sufficient to allow the cover proper play in turning from its lowest to its highest position, the pin being loosely fitted in the perforation m, and readily sliding up and down therein.

It will be observed that in the bearing K and in the disk Z the raised ends of the inclined surfaces are separated from the depressed portions of the opposite inclined surfaces by shoulders a, which taper to the center. When the cover is in its highest position these shoulders are in contact, and the position of the cover is properly fixed for the application of the fastening to the jar and cover. In such application the under side of the cover is designed to bear on the central portion or bars of the cover, as indicated at b. This disk Z is provided with laterally-extending lugs I at opposite ends of the diametric portion of the cover, which includes the raised ends of the inclined surfaces, the metal pin being thick enough to afford the requisite degree of strength to withstand the pressure exerted in turning the cover to press the cover down tightly upon the rubber packing.

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

The centrally-perforated transverse clamp-bar having lateral depending arms formed with inwardly-turned ends, and a central expanded

portion having its under side formed by two semicircular inclined surfaces, and a turning disk having two semicircular inclined surfaces corresponding to those of the transverse bar, a pivot-pin long enough to allow the play of the cover extending upward loosely through the perforations of said bar, and lateral operating-lugs, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

PHILIP LYON.

JOSEPH H. BOSSARD.

Witnesses:

C. L. RHODES,

WILLIAM H. PUGH.