

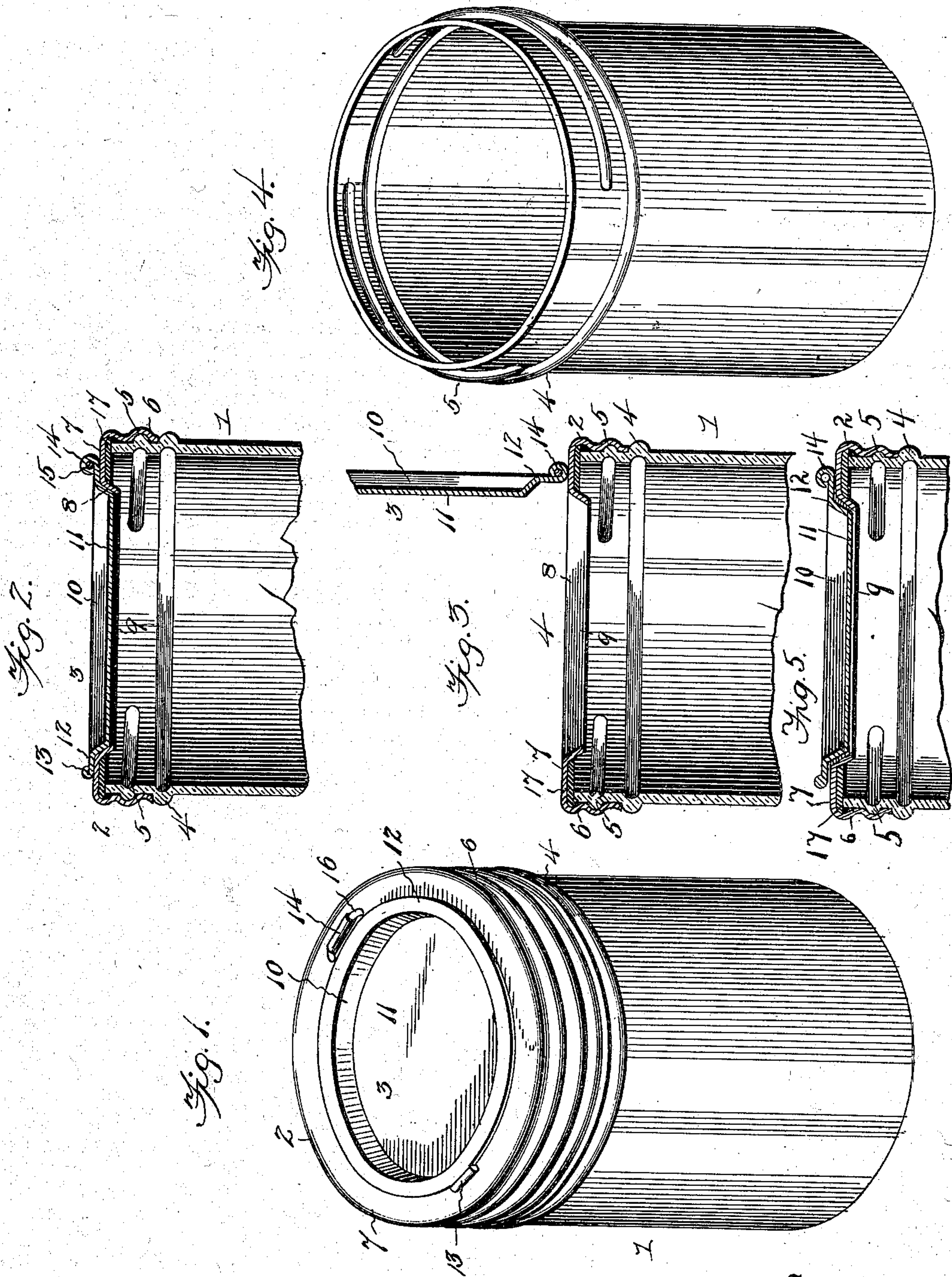
No. 709,390.

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R. W. BOOTH.
JAR COVER.

(Application filed Dec. 14, 1899. Renewed Mar. 13, 1902.)

(No Model.)



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UNITED STATES PATENT OFFICE.

RALPH W. BOOTH, OF NEW BRUNSWICK, NEW JERSEY.

JAR-COVER.

SPECIFICATION forming part of Letters Patent No. 709,390, dated September 16, 1902.

Application filed December 14, 1899. Renewed March 13, 1902. Serial No. 98,090. (No model.)

To all whom it may concern:

Be it known that I, RALPH W. BOOTH, a citizen of the United States, residing at New Brunswick, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Jar-Covers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 My present invention relates to a novel jar-cover; and my object is to produce a metallic cover comprising a jar-top designed to be screwed upon the jar and a hinged lid mounted above an opening in the jar-top and constructed in a manner to effect an air-tight closure when turned down.

A further object of the invention is to so coöperatively construct the lid and top that the former when closed will be automatically locked against casual or accidental opening, but will be capable of being readily pried open when it is desired to gain access to the contents of the jar.

Referring to the drawings, Figure 1 is a perspective view of my jar-cover applied as in use. Fig. 2 is a central vertical sectional view thereof, showing the lid closed. Fig. 3 is a similar view with the lid opened, and Fig. 4 is a perspective view of the jar with the cover removed. Fig. 5 is a central vertical sectional view with the lid closed and showing more clearly the relation of the lid to the cover.

Referring to the numerals of reference indicating corresponding parts in the several views, 1 indicates a jar upon which is screwed an apertured cover or top 2, surmounted by a hinged lid 3, designed to form a closure for the opening 4 in the top.

40 The jar 1, which may be of glass or other suitable material, is provided below its upper edge with an annular bead, above which are two diametrically-opposed inclined ribs or threads 5.

45 The jar-cover 2 comprises a spirally-grooved drop-flange 6 for engagement with the threads 5 and a horizontal top or cover plate 7, having a central circular opening 8, designed to be closed by a hinged lid 3.

50 The construction described constitutes an embodiment of my invention in its broadest aspect, as it comprehends a detachable jar-

cover provided with a hinged lid. As premised, however, I desire to so construct the cover that the lid when closed and pressed lightly will be retained against casual displacement and will effect an air-tight seal. The cover is therefore provided around the aperture 4 with a depending inwardly-inclined annular flange 9, which surrounds and grips the correspondingly-inclined annular side wall 10 of a central circular depression 11 of the lid 3. The depression of the lid center leaves a surrounding horizontal flange 12, which extends around the opening 4 when the lid is closed. To this flange is secured a lug 13, formed by doubling a flat piece of metal and clamping its ends upon the flange.

Diametrically opposite the lug 13 I provide a hinged eyelet 14, through which passes the pintle-bar 15 of a hinge-bail 16, the side bars of which pierce the cover and are clenched, soldered, or otherwise secured thereunder.

In use a packing-ring 17 is set into the cover between the side wall or drop-flange 6 and the concentric flange 9. The cover or top is then screwed down upon the top of the jar until the ring 17 is sufficiently compressed to form an air-tight connection between the jar and cover. The lid is now turned down until its depressed portion enters the opening 4, which brings the inclined wall 10 into contact with the inclined flange 9. Slight pressure upon the lid will now cause the wall 10 to be tightly wedged into the flange 9, the inclination of which latter is preferably slightly greater than that of the wall. The elasticity or resiliency of the flange will cause it to yield slightly when the cover is forced into it, and thereby effect an air-tight connection around the lid; but while the present embodiment of the invention is believed at this time to be preferable I do not limit myself to the structural details defined, but reserve the right to make such changes, modifications, and variations as may come properly within the scope of the protection prayed.

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

1. The can-top described, consisting of a cover with spirally-grooved drop-flange, and central aperture with its surrounding wall inclined, and a lid hinged to the horizontal por-

tion of said cover and having a central depression the surrounding wall of which is inclined in less degree than the inclined wall of the aperture in the cover to fit snugly with-
5 in the same, as set forth.

2. The can-top described, consisting of the cover with depending annular flange spirally grooved, and a horizontal portion having central depressed aperture the surrounding wall
10 of which is inclined, and a lid hinged to the horizontal portion of the cover with an annular horizontal portion bearing thereon and

formed with a central depression with annular inclined wall of less degree than that of the said aperture to be sprung into and snugly
15 fit the same, the latter being expanded and a snug fit assured, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

RALPH W. BOOTH.

Witnesses:

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