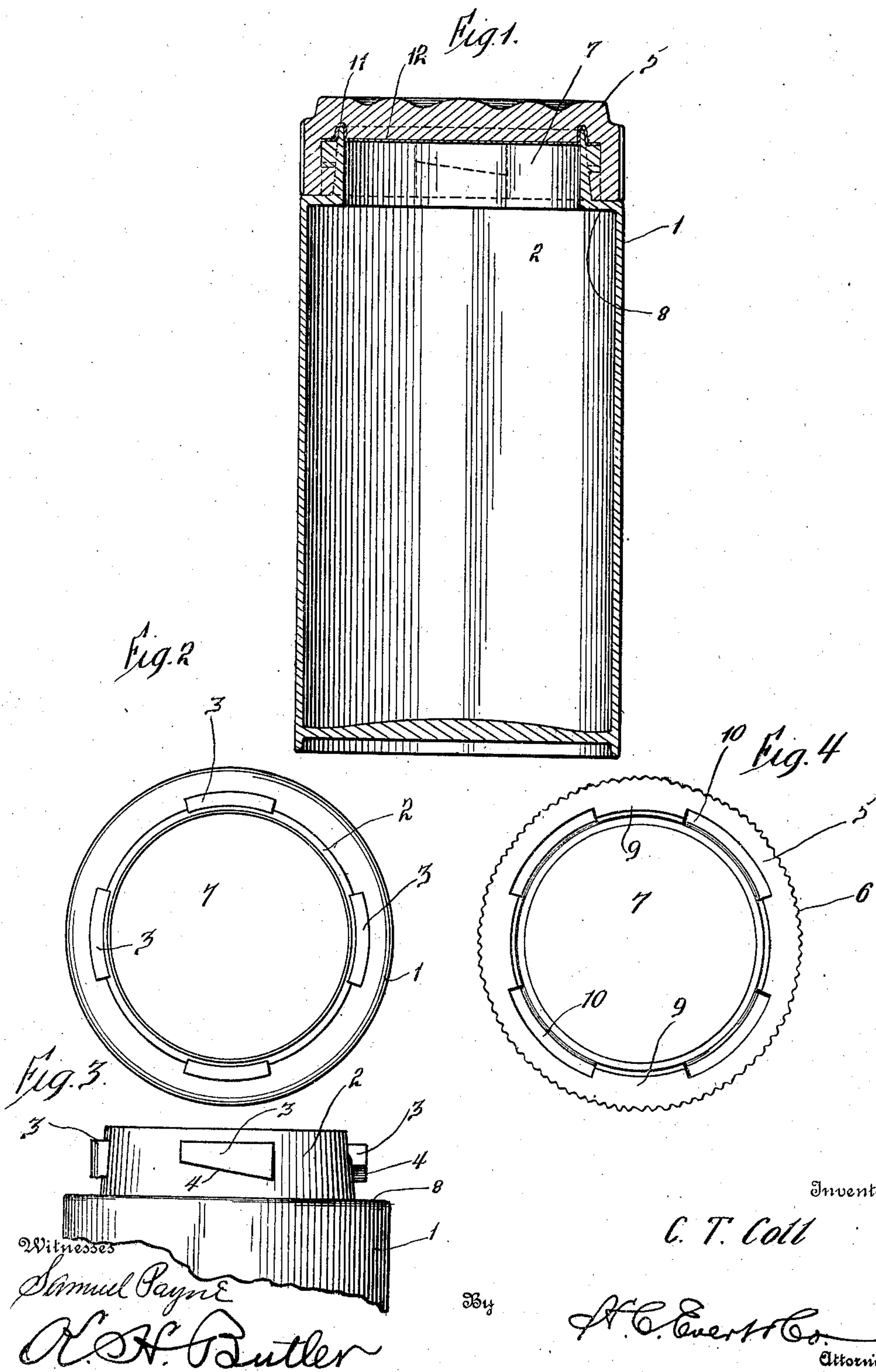


C. T. COLL,
JAR CLOSURE.
APPLICATION FILED AUG. 28, 1909.

963,517.

Patented July 5, 1910.



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CHARLES T. COLL, OF PITTSBURG, PENNSYLVANIA.

JAR-CLOSURE.

963,517.

Specification of Letters Patent.

Patented July 5, 1910.

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To all whom it may concern:

Be it known that I, CHARLES T. COLL, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Jar-Closures, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a receptacle closure, and the invention has for its object to provide any receptacle with simple and effective means for retaining a lid or cover upon the receptacle, said means establishing a non-leakable and air-tight connection between the receptacle body and lid, whereby fruit and other matter can be safely preserved within the receptacle.

Another object of the invention is to obviate the necessity of using screw threads, clamps and other devices for firmly fastening a lid upon a jar or any receptacle.

These and such other objects as may hereinafter appear are attained by a receptacle closure that will be presently described in detail and then claimed.

Referring now to the drawing forming a part of this specification:—Figure 1 is a vertical sectional view of a jar constructed in accordance with my invention, Fig. 2 is a plan of the jar with the lid thereof removed, Fig. 3 is a side elevation of a portion of the jar, and, Fig. 4 is a bottom plan of the lid or cover of the jar.

In the drawings 1 denotes a jar or receptacle having a reduced mouth or neck 2, the inner side of the neck 2 being in a plane parallel with the sides of the receptacle 1, while the outer side of the neck is disposed at an angle, to facilitate the fitting of a lid or cover upon the neck. The outer side of the neck 2 adjacent to the upper edges thereof is provided with equally spaced lugs or protuberances 3, oblong in elevation with the under sides thereof beveled or inclined, as at 4. Four lugs are preferably used and are disposed opposite one another to provide means for tightly retaining a lid or cover upon the jar or receptacle.

5 denotes a lid or cover provided with a depending annular flange which is offset with respect to the body of the lid and has its periphery thereof ribbed, corrugated or roughened, as at 6 to afford a hand grip when removing or replacing the lid or cover. The latter has its inner face 7 provided with

an annular groove 11 positioned in a plane removed from the plane in which the inner face of the flange extends. The neck 2 of the jar is adapted to extend in the groove 11 and when the jar is in such position the lower edge of the flange of the cap is adapted to rest upon the annular shoulder or breast 8 of the jar or receptacle whereby the neck is inclosed by the lid or cover. The diameter of the flange of the lid or cover is the same as the diameter of the body of the jar or receptacle so that the periphery of the flange will be flushed with the periphery of the body portion of the jar as clearly shown in Fig. 1. The walls of the groove 11 are inclined so as to conform to the inclination of the outer side of the neck 2 and the inner face of the flange of the lid or cover is provided with equally spaced inwardly projecting lugs or protuberances 9, said lugs providing spaces 10 to receive the lugs 4, thus permitting the lid or cover being partially rotated or shifted to cause the lugs 9 to ride under and into engagement with the lugs 4. In order that this can be easily accomplished, the upper faces or edges of the lugs 9 are beveled or inclined to correspond to the lower beveled edges 4 of the lugs 3.

Interposed between the upper portion of the outer side of the neck 2 and the inner face of the flange of the lid or cover 5 is a cap or gasket 12, preferably made of waterproof paper. The paper cap is adapted to provide an air-tight connection between the jar or receptacle 1 and the lid or cover thereof.

The jar or receptacle can be made similar to pottery ware or of a vitreous material, and of various sizes and shapes.

Having now described my invention, what I claim as new, is:—

1. The combination of a receptacle having a neck of smaller diameter than the body thereof provided at the upper portion of the body with an annular shoulder, spaced lugs integral with the periphery of the neck adjacent the upper edge thereof, a lid provided with a depending flange of a length to engage said shoulder, said flange of less height than the height of the neck, said lid further having its inner face formed with an annular groove extending in a plane inwardly of the plane in which the inner face of the flange extends, said groove adapted to receive the upper edge of said

neck and said flange adapted to inclose the neck when the upper end of the neck extends in said groove, and inwardly projecting lugs carried by the flange and adapted to engage under the lugs carried by the neck whereby the lid is coupled to the neck with the lugs engaging the inner face of the lid.

2. The combination of a receptacle having a neck of smaller diameter than the body thereof provided at the upper portion of the body with an annular shoulder, spaced lugs integral with the periphery of the neck adjacent the upper edge thereof, a lid provided with a depending flange of a length to engage said shoulder, said flange of less height than the height of the neck, said lid further having its inner face formed with an annular groove extending in a plane inwardly of the plane in which the inner

face of the flange extends, said groove adapted to receive the upper edge of said neck and said flange adapted to inclose the neck when the upper end of the neck extends in said groove, and inwardly projecting lugs carried by the flange and adapted to engage under the lugs carried by the neck whereby the cover is coupled to the neck, and a gasket interposed between the upper portion of the neck and the walls of the groove and between said lugs and the inner face of the lid.

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

CHARLES T. COLL.

Witnesses:

K. H. BUTLER,

W. H. HAMMOND.