

No. 720,421.

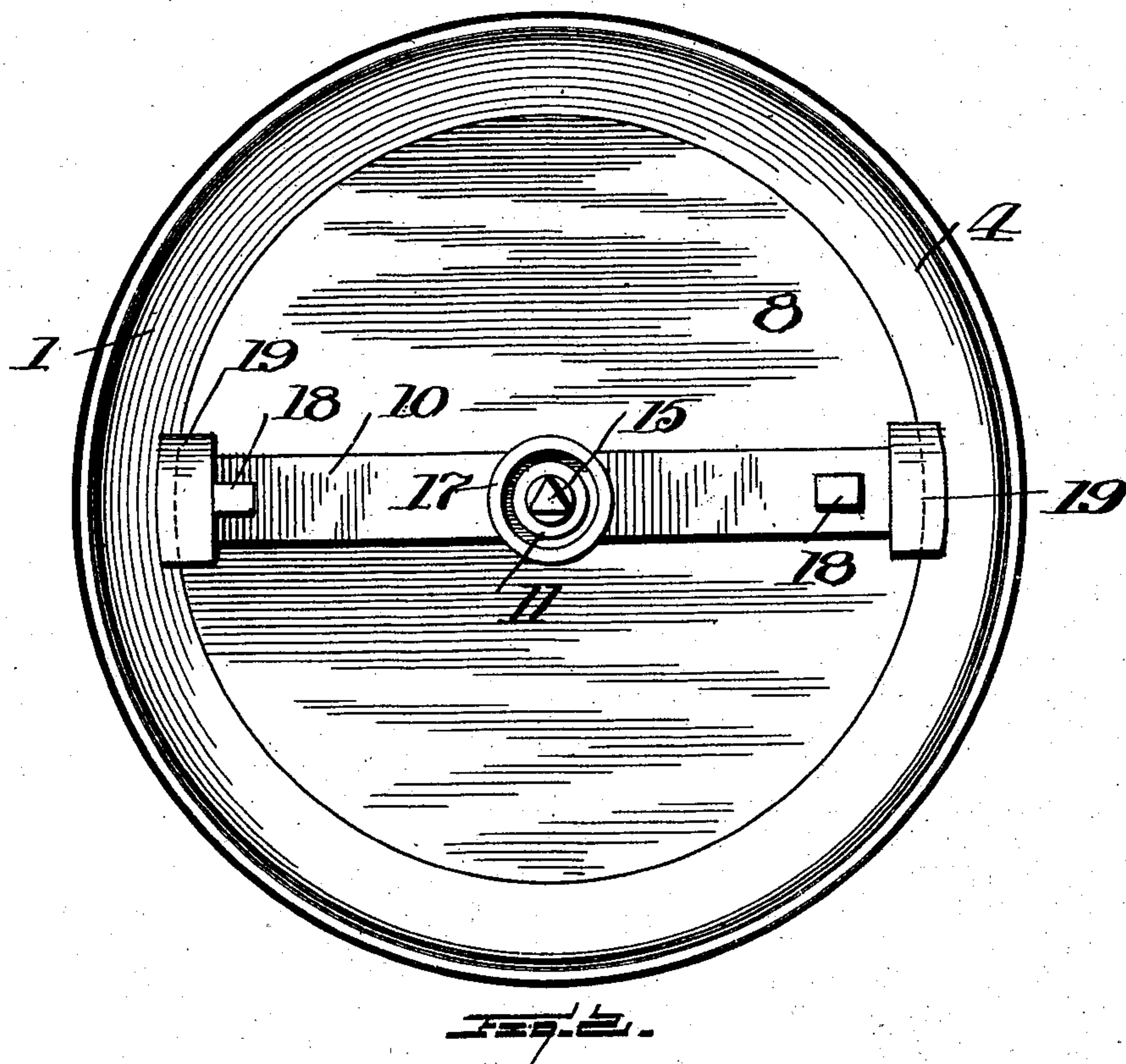
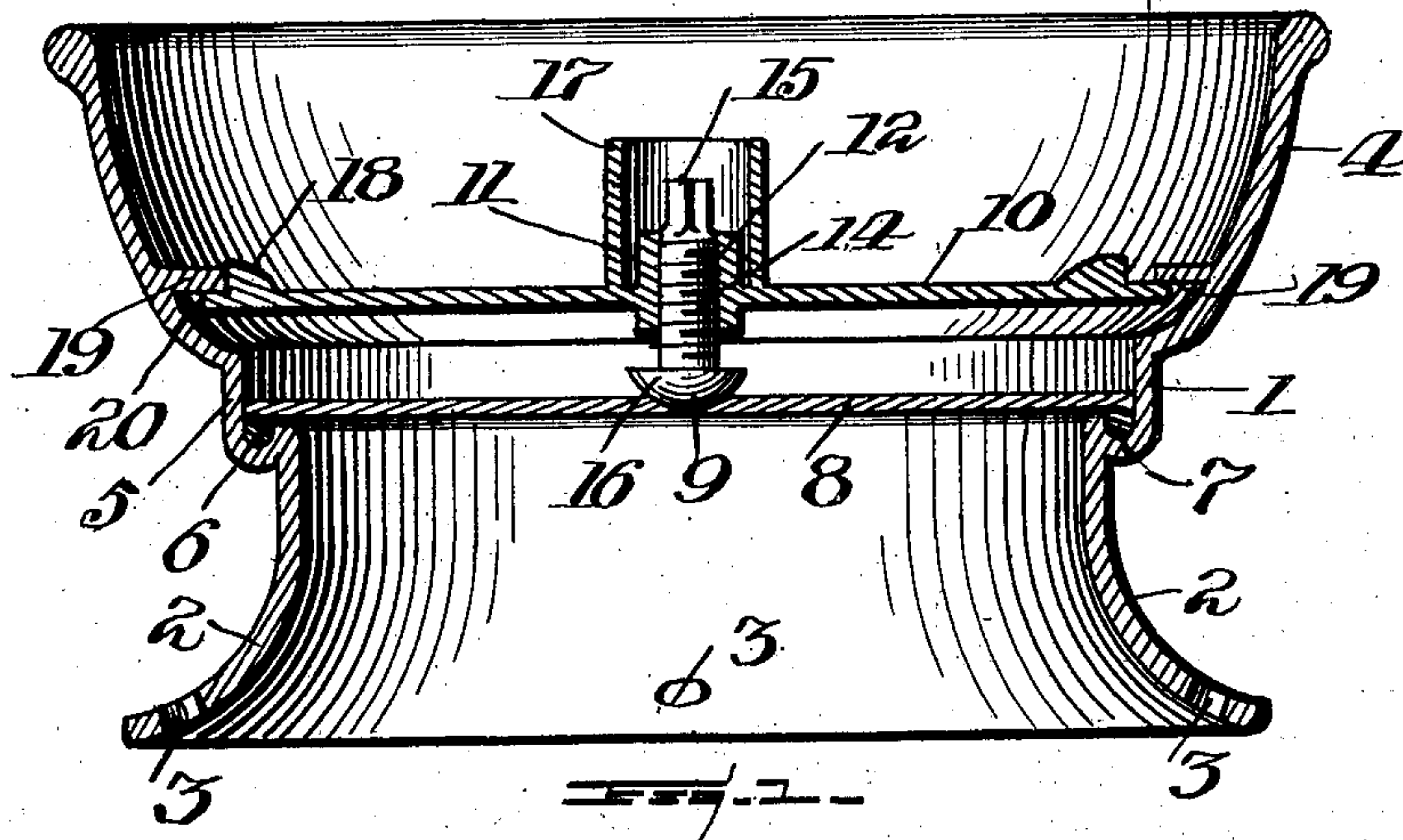
PATENTED FEB. 10, 1903.

W. GORMAN.

MILK CAN LID OR THE LIKE.

APPLICATION FILED JULY 21, 1902.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

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MILK-CAN LID OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 720,421, dated February 10, 1903.

Application filed July 21, 1902. Serial No. 116,378. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM GORMAN, 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 Milk-Can Lids or the Like, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in milk-can lids and the like, and has for its object to provide novel means whereby a can, preferably a milk-can, may be closed, whereby the same is firmly
15 locked, and thus presenting means whereby the lid is prevented from becoming loose or lost.

Another object of my invention is to provide a milk-can lid which will be air-tight, non-leakable, and one which cannot be opened without an especially-constructed key to operate the same.

A still further object of my invention is to provide a milk-can lid that will be extremely
25 simple in construction, strong, durable, comparatively inexpensive to manufacture, and highly efficient in its use, and one which may be applied to the many different constructions employed in the manufacture of milk-cans.

30 With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts, to be hereinafter more fully described, and specifically pointed out in the claims.

35 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

40 Figure 1 is a vertical section of my improved milk-can lid, and Fig. 2 is a top plan view of the same.

In the drawings the reference-numeral 1 indicates the neck portion of my improved
45 milk-can lid, which carries a flared base 2, said base having formed near its outer edge the apertures 3, and through said apertures may be employed means for securing the same upon the body portion of a can. (Not shown
50 in the drawings.) The upper end of said neck

is bell-shaped, as indicated at 4, and intermediate between the bell-shaped portion 4 and the flared base 2 I provide an annular portion 5, said annular portion carrying an annular recess 6, in which I place a rubber
55 gasket 7, and seating upon said gasket is a plate 8, which carries a central indentation or recess 9.

The reference-numeral 10 represents a metallic strip or bar which carries a central collar 11, having an aperture 12 formed therein, said aperture being screw-threaded and carrying a screw-threaded stem 14, the upper end of said stem carrying a triangular head 15 and the lower end of the stem 14 having a
65 button 16 formed integral therewith, said button being in a vertical alinement with the recess 9, formed in the annular plate 8.

The reference-numeral 17 represents a ferrule or collar formed integral with the metallic strip or bar 10, said ferrule being formed
70 on the upper face of said metallic strip.

The reference-numeral 18 represents lugs carried upon the outer ends of the strip 10.

The reference-numeral 19 indicates outwardly-extending flanges carried by the bell-shaped portion 4 of the neck 1, and under
75 said flanges I engage the metallic strip 10, the lugs 18 facilitating the adjustment of said strips within the recess 20, formed by the
80 outwardly-extending portion 19 and the bell-shaped portion 4.

The operation and mode of securing my improved lid in position upon a milk-can are as follows: The annular lid 8 having been
85 placed in position upon the rubber gaskets 7 the metallic strip is adjusted within the recesses 20, formed by the flanges 19, one end of said strip being first inserted until the lug 18 abuts against the flange 19, when the other
90 end may be easily placed within the opposite recess. This operation having taken place the key or wrench is placed over the triangular head 15 and the same turn until the button 16 rests within the recess 9, formed centrally in the upper face of the annular plate
95 8, when the annular plate 8 will be forced downwardly upon the rubber gaskets carried in the annular seat 6, thus forming an air-tight, as well as a water-tight, connection, 100

which will prevent the lid from moving or becoming lost. It will be noted that when the annular lid is forced downwardly upon the rubber gaskets the metallic strip will be
 5 forced upwardly, thus locking the same beneath the flanges 19 and forming a lock between the annular plate and the metallic strip.

While I have shown the most practical embodiment of my invention, it will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. A milk-can neck having a flared base and a bell-shaped top, an annular recess formed intermediate of said parts, said recess formed
 20 upon the interior of said neck portion, an annular plate, a gasket carried in said recess, a metallic strip resting within the bell-shaped portion of the neck, and means carried by said strip for securing the annular plate in
 25 position, substantially as described.

2. In a milk-can top, a neck portion having a flared base and a bell-shaped top, an annular portion carried intermediate of said parts, said portion having an interior recess formed
 30 therein, an annular plate, a gasket carried within said recess, a metallic strip resting within the bell-shaped portion of the neck, an

inwardly-extending flange carried by said bell-shaped portion, said metallic strip engaging under said flanges, and means carried
 35 by said strip for securing the annular plate in position, substantially as described.

3. In a milk-can top, a neck portion having a flared base and a bell-shaped top, an annular portion carried intermediate of said parts, said portion having formed therein an interior recess, an annular plate, a gasket carried within said recess, inwardly-extending flanges formed diametrically opposite each other and carried by said bell-shaped portion, a metallic strip resting within said bell-shaped portion and engaging beneath the inwardly-extending flanges, said metallic strip carrying a central collar, said collar having a screw-threaded stem which is adjustable in said
 40 collar, said stem carrying a button upon its lower end, the upper end of said stem being formed triangular in shape, a ferrule carried upon the upper face of said metallic strip, and surrounding said collar and stem, and
 45 lugs carried by said strip, substantially as described, and for the purpose set forth.

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

WILLIAM GORMAN.

Witnesses:

JOHN NOLAND,
 E. E. POTTER.