

No. 640,121.

Patented Dec. 26, 1899.

A. L. FOREMAN.
MILK CAN TOP AND LID.

(Application filed June 3, 1899.)

(No Model.)

Fig. 1.

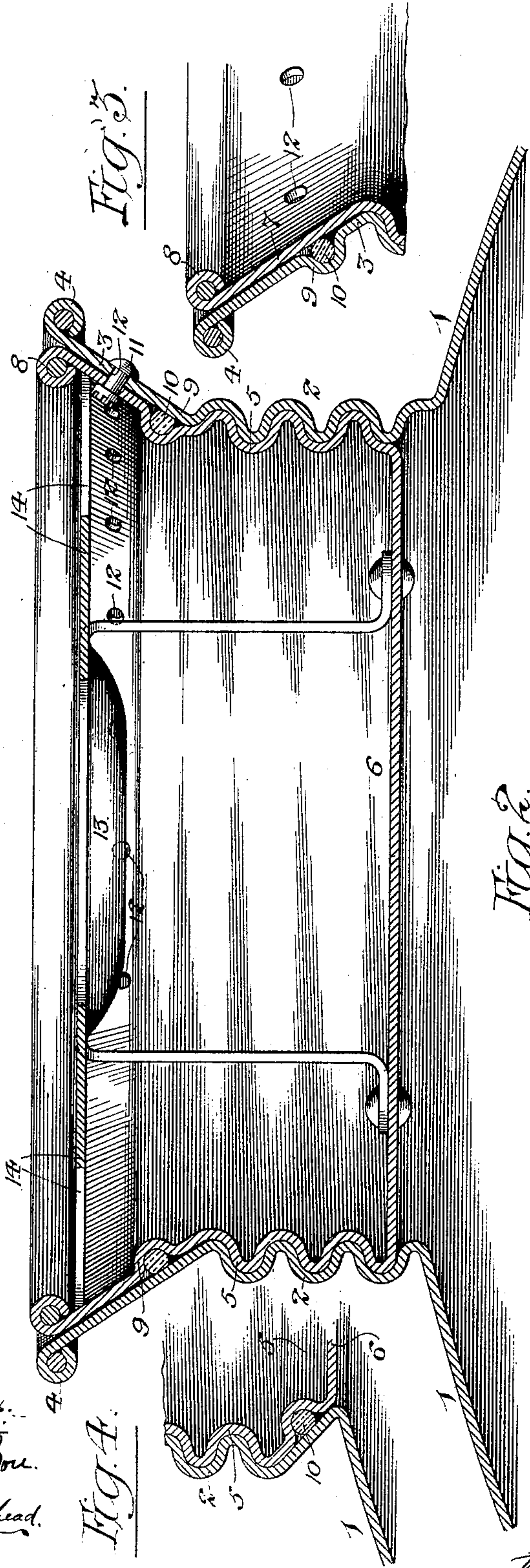
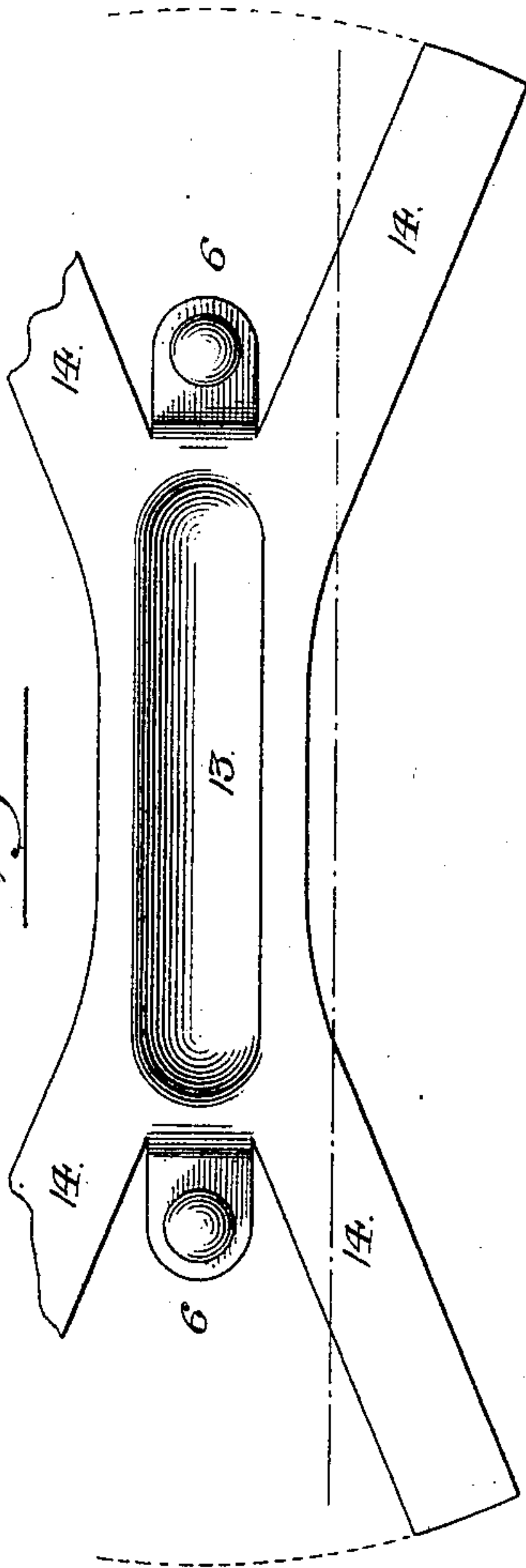


Fig. 2.

Fig. 3.



Witnesses:
Charles DeBore.
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Fig. 4.

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UNITED STATES PATENT OFFICE.

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MILK-CAN TOP AND LID.

SPECIFICATION forming part of Letters Patent No. 640,121, dated December 26, 1899.

Application filed June 3, 1899. Serial No. 719,217. (No model.)

To all whom it may concern:

Be it known that I, AMOS L. FOREMAN, a citizen of the United States, and a resident of Wilmerding, Pennsylvania, have invented certain Improvements in Milk-Can Tops and Lids, of which the following is a specification.

The object of my invention is to so construct a milk-can and lid therefor that said lid will form a hermetically-sealed joint with the can and can be locked in position so as to prevent surreptitious access to the contents of the can by unauthorized persons. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 represents a vertical sectional view of the top portion of a milk-can with lid or cover constructed in accordance with my invention. Fig. 2 is a top or plan view of part of the same, and Figs. 3 and 4 are sectional views illustrating modifications of the invention.

Part of the top of the can is represented at 1, and from the same projects upwardly a screw-threaded neck 2, terminating in an outwardly-flaring flange 3, which has, by preference, a stiffened rim 4. To the threaded neck 2 of the can is adapted a correspondingly-threaded portion 5 of an internal lid or cover 6, which has an outwardly-flaring flange 7, likewise provided, by preference, with a stiffened rim 8, and on this flange is formed a hollow rib 9, containing a packing-ring 10, of rubber or other suitable material, which, when the lid 6 has been screwed down to its full extent, is compressed against the flange 3 and forms a hermetically-sealed joint between the lid and flange.

In the flange 3 is formed an opening for the reception of a sealing-rivet 11, which is also adapted to any one of a series of openings 12 formed in the flange 7 of the lid.

In closing the can the lid is screwed down until the packing-ring 10 has been compressed sufficiently to form a tight joint and one of the openings 12 is brought into line with the opening in the flange 3 of the can, whereupon the sealing-rivet 11 is inserted through said openings and then compressed by means of a pair of sealing-tongs or other suitable implement, so as to lock the flanges 3 and 7 together and

at the same time impress upon the rivet such letters or other characters as may be desired. The lid 6 is thus securely locked in place, as it will be necessary to remove the sealing-rivet before the lid can be detached. Hence surreptitious removal of the lid in order to abstract or tamper with the contents of the can will be at once detected, and a purchaser receiving a can with the seal intact can be assured that the contents are the same as originally placed in the can by the shipper.

The lid is preferably provided with a handle 13 to facilitate its ready manipulation, and in order to strengthen and stiffen the outer portion of the lid and also of the can-top when the lid is screwed in place said handle has lateral braces 14, extending from its upper portion to the upper portion of the flange 7 of the lid, so that indenting or distortion of the flanges 3 and 7 is prevented by blows thereupon which they may receive owing to the rough handling to which the cans are subjected and which might otherwise interfere with the insertion or locking of the lid.

It will be evident that the packing-ring 10 may be carried by the flange 3 of the can, as shown in Fig. 3, for instance, instead of by the flange 7 of the lid, and also that a series of openings may be formed in the flange of the can and a single opening only in the flange of the lid, or each flange may have a series of openings, if desired. The packing-ring may also be mounted upon the lower portion of the lid and may bear upon an internal flange at the inner end of the threaded neck of the can, as shown in Fig. 4, but the use of the packing-ring, in connection with the outer flanges of the lid and can, is preferred.

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

1. The combination of a can having a threaded neck and projecting flange with a lid likewise having a threaded portion and projecting flange, a packing-ring carried by one of said parts and adapted to bear upon the other, and a series of openings formed in one of said flanges and adapted to register with an opening or openings formed in the other flange as the lid is screwed down, where-

by a sealing-rivet may be employed to secure the lid to the can in different positions of adjustment of the lid, substantially as specified.

2. The combination of a can having a
5 threaded neck and projecting flange, a lid likewise having a threaded neck and projecting flange, and a handle having depending portions secured to the bottom of the lid and having forked ends forming lateral braces in-
10 terposed between its upper portion and the

outer portion of the flange on the lid so as to stiffen and strengthen the latter, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of 15 two subscribing witnesses.

AMOS L. FOREMAN.

Witnesses:

H. F. REARDON,
F. E. BECHTOLD.