May 22, 1928. 1,671,025

F. C. FRANZMEIER

CAN COVER

Filed March 12, 1926

Fig. 1.

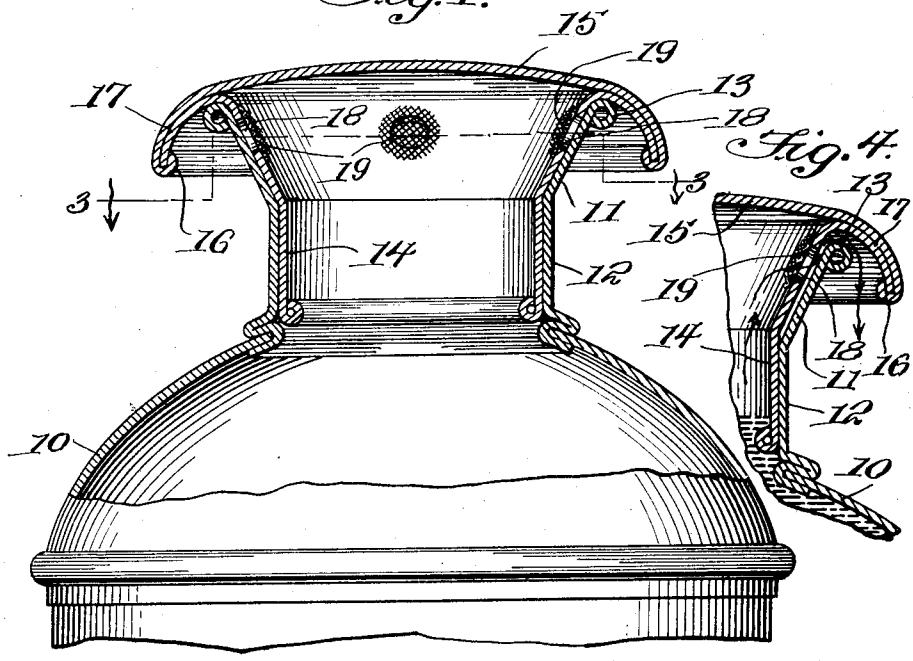


Fig. 4.

Fig. 2.

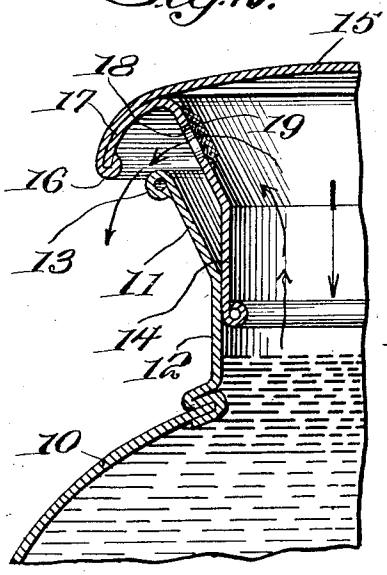
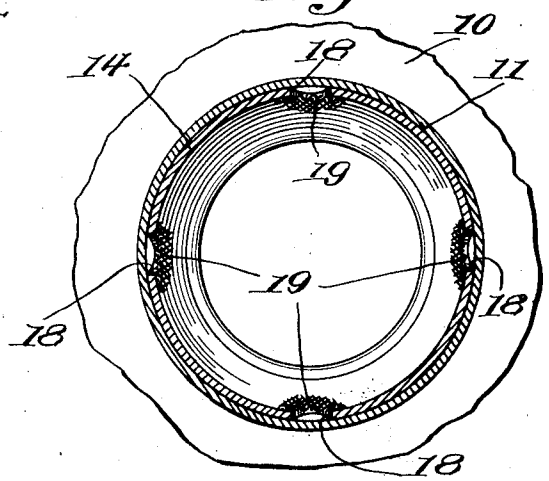


Fig. 3.



Fred C. Franzmeier
INVENTOR

BY Victor J. Evans
ATTORNEY

WITNESS: J. J. L. Wright

Patented May 22, 1928. 1,671,025

UNITED STATES PATENT OFFICE.

FRED C. FRANZMEIER, OF GALENA, ILLINOIS.

CAN COVER.

Application filed March 12, 1926. Serial No. 94,272.

This invention relates to improvements in milk cans and covers therefor, the general object being to provide a multiplicity of openings within a sleeve portion of the cover and having foraminated pockets extending over such openings upon the inner side of the sleeve whereby the air after cooling on the top of the milk will be forced out through the foraminated pockets and openings while closing and fitting the cover upon the can.

Another object of the invention residing in the specific configuration, construction and interfitting engagement of the can neck and sleeve of the cover which will allow the cover to be loosely fitted within the neck of the can to facilitate the cooling of the can's contents and yet eliminate the possibility of extraneous matter being collected within the can and polluting the contents thereof.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claim.

In the drawing:

Figure 1 is a fragmentary elevation of the upper portion of a milk can and the novel form of cover fitted thereon.

Figure 2 is a fragmentary vertical section taken through the can neck and cover and illustrating the manner in which the latter may be arranged in a partly closed position preparatory to securely apply and closing the lid upon the neck of the can.

Figure 3 is a transverse section taken on line 3—3 of Figure 1.

Figure 4 is illustrative of a nearly closed position of the cover permitting the cooling of the contents of the can.

Referring to the drawing in detail, wherein like characters of reference denote corresponding parts, the reference character 10 indicates a milk can providing an outwardly flared portion 11 adjacent the periphery of the neck 12 and further providing a rolled edge or bead 13 upon the periphery thereof.

Fitted within the neck 12 and flared portion 11 is a correspondingly shaped sleeve 14 extending downwardly from the under side of a cover lid 15 which in turn having its periphery rolled under as indicated at 16 and fitting the outwardly and downwardly extending portion 17 of the sleeve 14 therebetween. That portion of the sleeve 14 corresponding in shape and configuration with reference to the outwardly flared portion 11 of the neck 12 having a multiplicity of openings arranged therein adjacent the upper portion thereof and including foraminated or reticulated pockets 19 upon their inner sides and secured to the corresponding side of the sleeve 14.

In the use and operation of the present invention it will be clearly apparent and manifest that no loss of the contents of the can 10 will be experienced preparatory to the closing and fitting of the lid 15 and sleeve 14 within the neck of the can as clearly illustrated in Figure 2 of the drawing in so far as the air cooling upon the top of the contents within the can will be forced outwardly through the foraminated pockets 19 and openings 18 and eliminate the usual loss of milk or cream during such operation by compressing the air downwardly and within the neck of the can.

In Figure 4 of the drawing I have illustrated the manner in which the sleeve may be arranged in a nearly closed position with the outwardly flared portion 11 of the neck 12 whereby the desired degree of ventilation may be had to the contents of the can to permit such contents to be cooled; it being obvious that the sleeve may be depressed in the first position for completely closing the neck of the can so that the latter may be transported without loss of the contents.

The invention is susceptible of various changes in its form, proportions and minor details of construction, and the right is herein reservered to make such changes as properly fall within the scope of the appended claim.

Having thus described the invention, what is claimed is:

A can and cover therefor comprising an upwardly and outwardly flared portion upon the upper end and periphery of the can neck, the cover being provided with a correspond-

ingly shaped sleeve portion received within the neck of the can, said sleeve being further provided with a downwardly curved portion upon the upper periphery thereof, a top for the lid being provided with a bead upon the marginal edge thereof adapted to receive the edge of the downwardly curved portion, and the flared portion of the sleeve having a multiplicity of openings covered by reticulated pockets adapted to ventilate the can when the sleeve is partially raised.

In testimony whereof I affix my signature.

FRED C. FRANZMEIER.