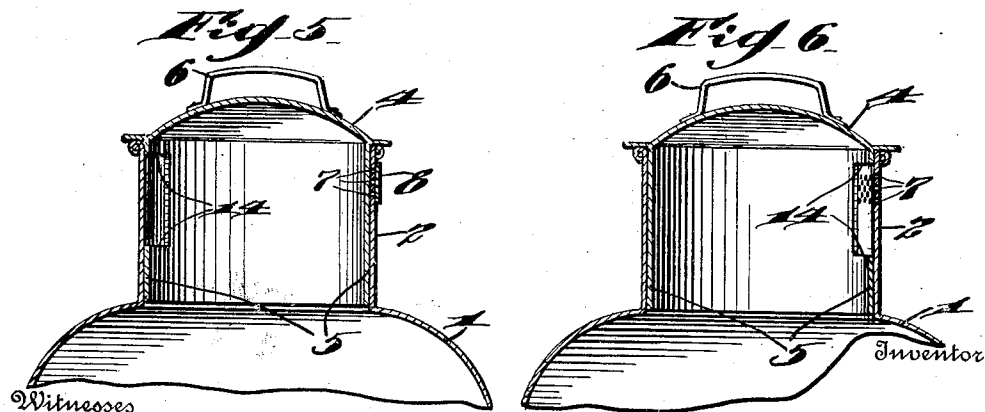
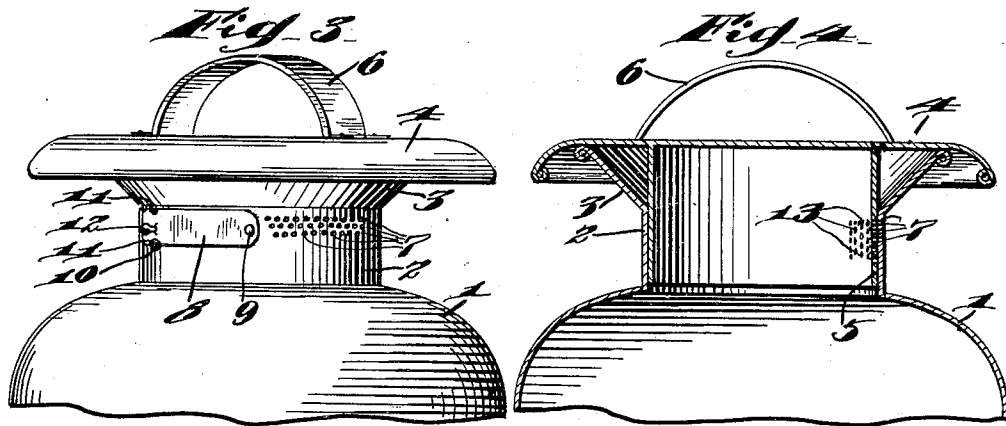
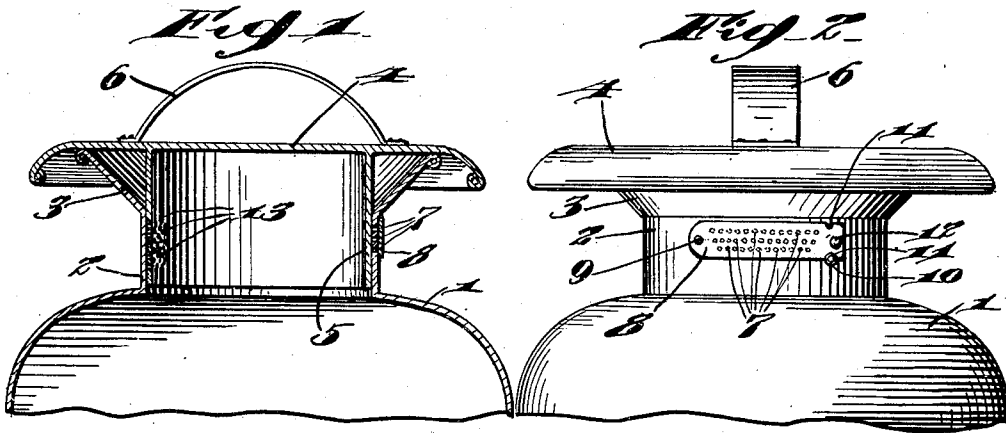


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MILK CAN AND COVER THEREFOR.
APPLICATION FILED JAN. 7, 1911.

991,757.

Patented May 9, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL SHAPIRO, OF PHILADELPHIA, PENNSYLVANIA.

MILK-CAN AND COVER THEREFOR.

991,757.

Specification of Letters Patent.

Patented May 9, 1911.

Application filed January 7, 1911. Serial No. 601,297.

To all whom it may concern:

Be it known that I, SAMUEL SHAPIRO, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Milk-Cans and Covers Therefor, of which the following is a specification.

My invention relates to improvements in milk cans and covers therefor, the object of the invention being to provide improved cans and covers which enable the can to be aerated as it is returned empty from the city to the farm, and tightly closed when shipped from the farm to the city.

Heretofore a great many different means have been devised for purifying cans which have contained milk. The best possible way to do this is to thoroughly aerate the can, and with my improvements the can may be aerated from the time it is empty until it is again filled, or the milk in the can may be aerating while standing ready for shipment or while in storage.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings: Figure 1, is a view in section illustrating my improvements with the can cover turned to closed position. Fig. 2, is a view in side elevation of Fig. 1. Fig. 3, is a view in side elevation showing the spring covering strip 8 moved to position to uncover the perforations in the can. Fig. 4, is a view similar to Fig. 1 but showing the can and cover in position for aerating, and Figs. 5 and 6 are views similar to Figs. 1 and 4, but showing modifications.

1, represents a milk can having the neck 2 thereon flared outwardly at its upper end as shown at 3 which is one common style of can in use.

4, represents the canopy cover having the cylindrical portion 5 to fit into the neck 2, and preferably provided with the ordinary handle 6. The neck portion 2, below its flared upper end 3, is provided with several horizontal series of perforations 7 which are adapted to be covered or uncovered by means of my improved spring covering strip 8. This strip 8 is of spring metal having ro-

tary support on a rivet 9 secured to the neck of the can, and adapted to be swung either to the position shown in Fig. 2 or to the position shown in Fig. 3. It is to be understood that this strip 8 normally conforms in curvature to the curvature of the neck 2, so that when moved from one position to the other, it will spring into place. To prevent any movement of the strip, buttons 10 are secured to the neck of the can, and the strip is notched at opposite sides as shown at 11 to engage back of the heads of these buttons 10, and a suitable knob 12 is provided for manipulating the strip.

The cylindrical portion 5 of the cover 4 is provided with a plurality of perforations 13 which are adapted to register with the perforations 7. It will be noted that there are more perforations 13 than there are perforations 7, and that said perforations 13 cover a larger area than do perforations 7, the reason of this being that even though the cover 4 be hastily placed in position, it will register with some of the perforations.

In Figs. 5 and 6 my improvements are illustrated in connection with the ordinary straight neck can, and instead of employing the perforations 13 in the cover, a single large opening 14 is provided. In other respects the structures are alike.

It will thus be noted that when the can cover is turned to one position, the perforations therein will register with the perforations in the neck, and hence the can is permitted a free circulation of air. When the cover is moved to another position, there is no communication whatever with the outside air, and when in this position, the spring cover strip 8 preferably closes the perforations 7 to exclude the dirt.

This invention is designed for use in connection with shipping cans, and its function is to allow the cans to be aerated at any time, but principally to permit the aeration of the can as it is returned from the city to the farm.

Various other slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claim.

Having thus described my invention, what

I claim as new and desire to secure by Letters Patent is:

In combination, a can and a cylindrical neck thereon, of a cover for said can, a cylindrical extension on said cover fitting within the neck, said neck and said extension having openings adapted to register or not register in accordance with the position of the cover, a spring cover strip curved longitudinally in conformity with the curvature of the neck, and pivotally connected at one end to the neck of the can and adapted to lie

firmly against said neck, and means for securely holding said cover strip in position over the perforations in the neck or in a position to uncover said perforations, substantially as described. 15

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

SAMUEL SHAPIRO.

Witnesses:

R. H. KRENKEL,
CHARLES E. POTTS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
