(No Model.)

E. E. HARVEY.

COVER FOR MILK CANS.

No. 605,425. Patented June 7, 1898.

Fig 1.

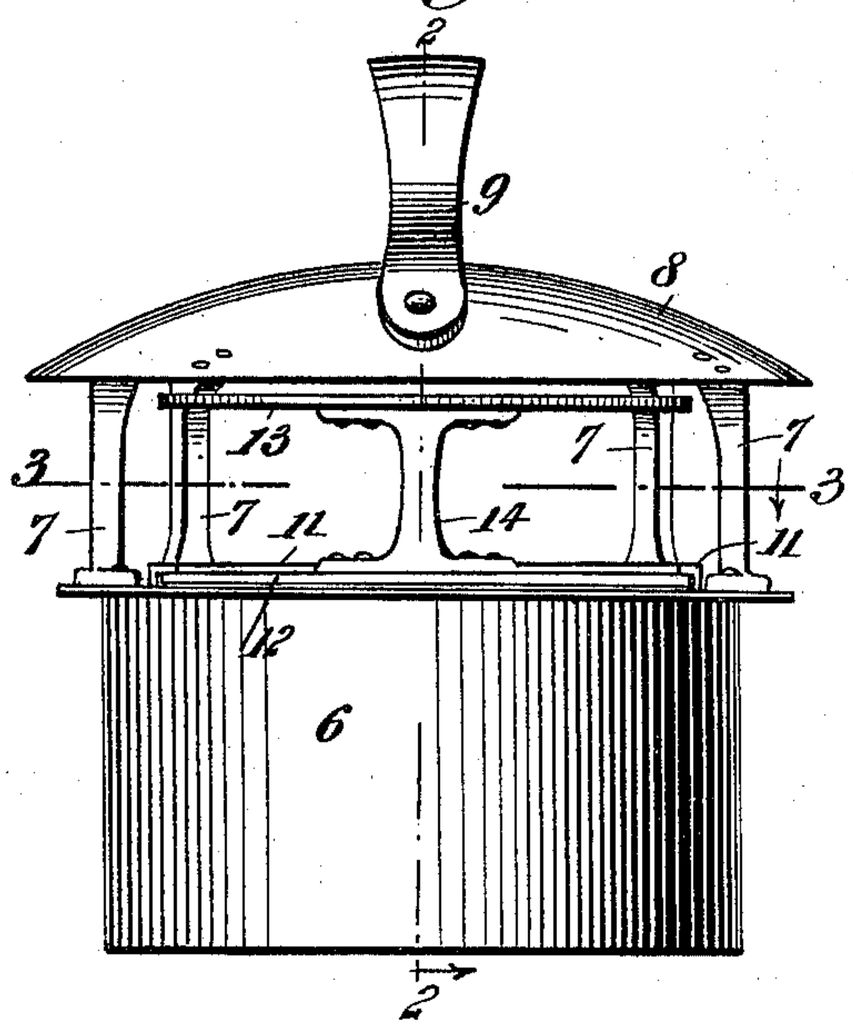


Fig 2.

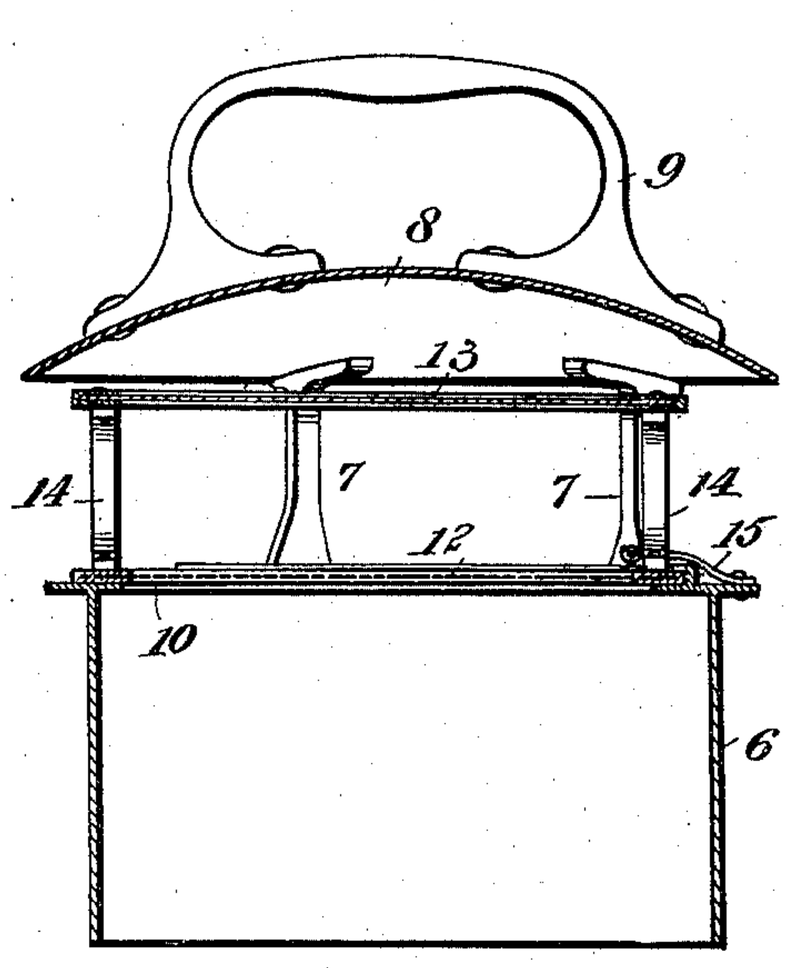


Fig 3.

Fig 4.

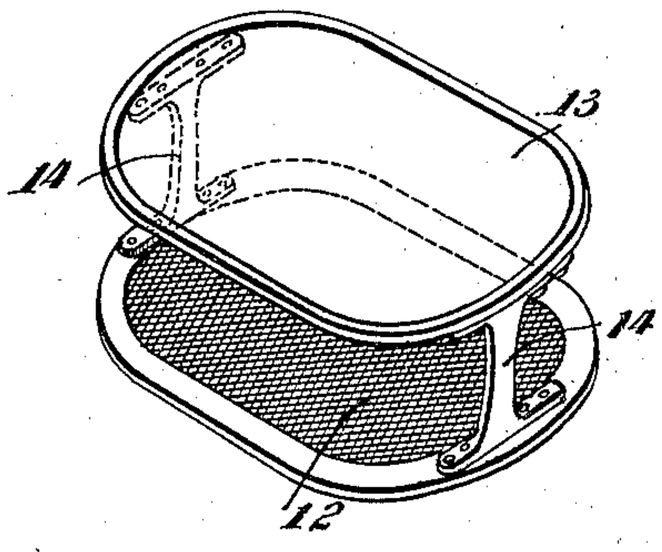
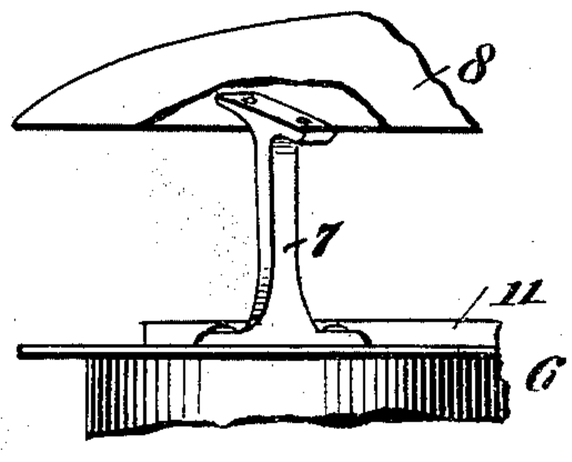


Fig 5



WITNESSES:

Paul Jakel

Isaac Bruff

INVENTOR

E. E. Harvey.

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ELMER E. HARVEY, OF DOLINGTON, PENNSYLVANIA.

COVER FOR MILK-CANS.

SPECIFICATION forming part of Letters Patent No. 605,425, dated June 7, 1898.

Application filed December 9, 1897. Serial No. 661,291. (No model.)

To all whom it may concern:

Be it known that I, ELMER E. HARVEY, of Dolington, in the county of Bucks and State of Pennsylvania, have invented a new and Improved Cover for Milk-Cans, of which the following is a full, clear, and exact description.

This invention is a cover for milk-cans designed to permit thorough ventilation of the milk during the cooling thereof, so as to prevent the disadvantages of hermetically sealing the can immediately upon the application of the tepid milk, and designed also to provide means for hermetically sealing the can when the milk has been cooled and is ready for shipment.

This specification is the disclosure of one form of my invention, while the claims define the actual scope of the invention.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the invention. Fig. 2 is a vertical section on the line 2 2 of Fig. 1. Fig. 3 is a horizontal section on the line 3 3 of Fig. 1. Fig. 4 is a perspective view of the ventilating and sealing closures, and Fig. 5 is a detail elevation illustrating a fragment of the construction employed.

The cover has a cylindrical main portion or stopper 6, on the upper edge of which stand posts 7, supporting a convexed shield 8, which slightly overhangs the side edges of the stopper 6, so as to shed rain over and away from the stopper. A bail 9 is attached to the shield 8, by which the cover may be manipulated.

The top of the stopper 6 is provided with an opening 10, of approximate oval form and surrounded on three sides by a guideway 11, wherein may slide the ventilating-closure 12 or the hermetic closure 14. Of these closures 12 and 13 the former is a gauze structure with a rigid metallic rim and the latter is an unbroken metallic plate. The two closures are rigidly joined to each other to form a frame by means of braces 14 run perpendicularly between them and respectively at the ends thereof. By sliding the closure 12 into the guideway 11 the orifice 10 is covered, so as to prevent the entrance to the can of dirt and dust, and so also as to permit the free circulation of air, so as to ventilate the can and prevent the injurious effects of hermetically inclosing the warm milk. By reversing the frame composed of the parts 12, 13, and 14 and placing the plate 13 over the opening 10 the can may be hermetically sealed. Attached to the top of the stopper 6 and projecting horizontally inward is a spring-plate 15, the free end of which has a downwardly-extending enlargement forming a shoulder capable of engaging with the feet of one of the braces 14 when the closures are beneath the shield 8, whereby said closures are held in position. The closures may be readily withdrawn by disengaging the spring-plate, and the spring-plate will serve to hold either closure, since the position of the braces 14 relative to the spring is the same, notwithstanding that the closures 12 and 13 may occupy different positions.

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

1. A cover for milk-cans, the cover having a stopper or main portion with an orifice therein, two closures connected with each other and respectively capable of extending over said orifice, one of the closures being foraminated and the other being capable of effecting a hermetic sealing.

2. A cover for milk-cans, having a stopper or main portion with an orifice therein, a shield held above the stopper or main portion and supported thereon, and two closures joined to each other and capable of extending between the stopper or main portion and the shield, one of said closures being foraminated to ventilate the can and the other closure being capable of effecting a hermetic sealing of the can.

3. A cover for milk-cans, the cover having a stopper or main portion with an orifice in the top thereof, legs upon the stopper or main portion, a shield supported by the legs, and two interchangeable closures rigidly joined to each other by braces extending between them, the closures being each capable of covering the orifice of the stopper or main portion, one closure being capable of effecting a hermetic sealing and the other closure being foraminated to permit the ventilation of the can.

4. In a cover for milk-cans, the combination of a stopper or main portion having an orifice, two interchangeable closures rigidly connected with each other, and a spring attached to the stopper or main portion and capable of engaging the closures to hold them removably in position, one closure being foraminated to permit the ventilation of the can and the other closure being capable of effecting a hermetic sealing of the can.

ELMER E. HARVEY.

Witnesses:
WILBERT H. TREGO,
THOMPSON ROBERTS.