(No Model.)

J. DAVIES.

VENTILATING COVER.

No. 388,024. Patented Aug. 21, 1888.

Fig. 1.

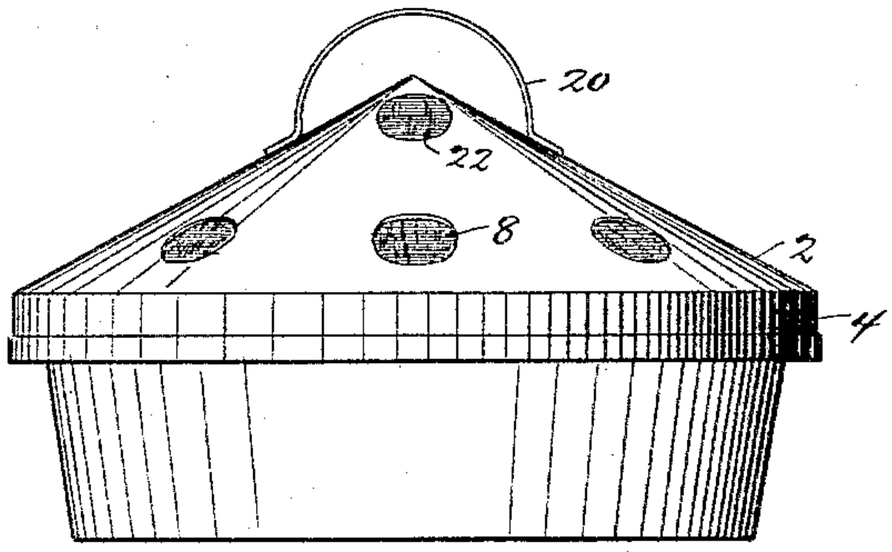


Fig. 4.

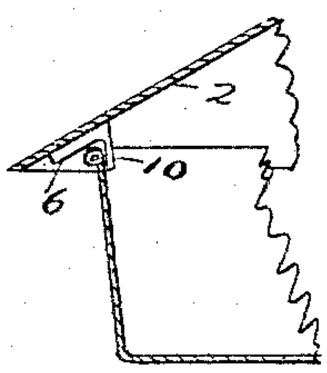


Fig. 2.

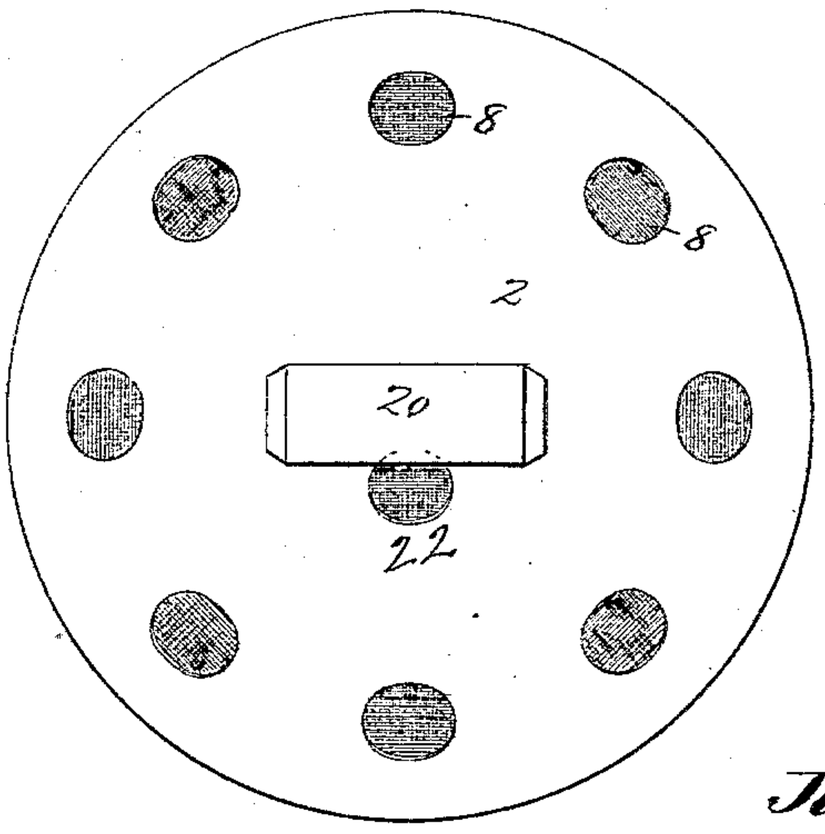
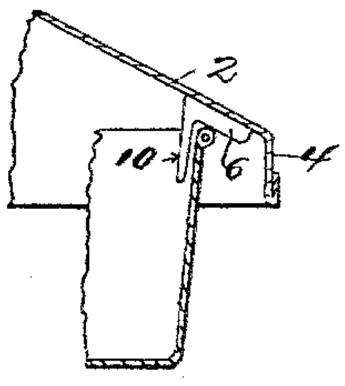


Fig. 3.



Witnesses.
R. H. Sanford.
S. J. Beardsley.

Inventor.
James Davies.
By A. C. Paul atty.

UNITED STATES PATENT OFFICE.

JAMES DAVIES, OF MITCHELL, DAKOTA TERRITORY.

VENTILATING-COVER.

SPECIFICATION forming part of Letters Patent No. 388,024, dated August 21, 1888.

Application filed July 6, 1887. Serial No. 243,596. (No model.)

To all whom it may concern:

Be it known that I, JAMES DAVIES, of Mitchell, in the county of Davison and Territory of Dakota, have invented certain Improvements in Ventilating-Covers, of which the following is a specification.

My invention relates to improvements in ventilating-covers adapted to be used on any vessel in which milk is placed, or in which any article of food is kept, where it is desirable to protect the contents of the vessel from insects or dust or other foreign substances, and at the same time permit a free ventilation of the vessel.

The object that I have in view is to provide an extremely simple cover, that shall be easy of manufacture, that may be very easily kept clean, and that will prevent any foreign substance in the outer air from coming in contact or being deposited in the contents of the vessel, and will at the same time allow free circulation of air through the upper part of the vessel, and will carry off the water which condenses upon its inner surface and prevent it from falling into the vessel.

My invention consists, generally, in the construction and combination hereinafter described, and particularly pointed out in the claim.

In the drawings, which form a part of this specification, Figure 1 is a side elevation of a milk-pan with my improved cover applied thereto. Fig. 2 is a plan of the cover. Fig. 3 is a detail. Fig. 4 is a detail showing the cover without the depending flange.

2 represents the upper portion or top of the cover, which is formed of sheet metal, and preferably made conical, but may, for convenience in construction, be made in any suitable convex form.

4 represents a ring or depending flange secured to the lower extremity or rim of the top 2. The flange 4 may be formed in one piece with the top 2, or may be formed separately and secured to the top. The flange 4 is adapted to fit over the outside rim or edge of the vessel to which it is applied, and thereby keep the cover in place.

8 represents a series of apertures formed in the circumference of the top 2, and preferably placed near its lower extremity. These apertures may be formed of a group of punctured holes through the sheet metal-top; or they may be larger in diameter, and covered, preferably, upon the inside with a gage or perforated metal screen. This screen may be placed over such apertures separately or otherwise securely attached to the top 2. A series of stops, 6, is secured to the under side of the top 2, near its lower edge, and is arranged to bear upon the top edge of the vessel to which the cover is applied, thereby leaving a narrow opening between the edge of the vessel and the under surface of the cover.

It will be observed that the ribs and downwardly-depending lugs 10 are made in one piece, and of such form that while the rib will lie flat against the inside of the cover the lug will bear against the side of the vessel and form a corner in which the top edge of the vessel may fit. These lugs fit inside the vessel and keep the cover in position. They also enable the flange 4 to be dispensed with, and while they admit of various applications they serve, when applied as shown, to both hold the top above the edge of the pan, so as to form an air-space, as the horizontal portion rests on the top edge of the pan, and at the same time hold the cover against lateral movement or slipping, as the pendent portions fit down below the edge of the vessel. The moisture or water of condensation which collects upon the under side of the cover follows the inclined surface thereof, adhering to it, and passes out through the narrow opening over the edge of the vessel. In this manner I prevent the water from dropping from the cover into the vessel. The top of the cover may be provided with a suitable handle, 20, as shown in the drawings.

In order that the gases may escape from the cover, I prefer to provide an opening, 22, at or near the top or apex of the cover. The gases collecting in the cover will readily escape through this opening.

I claim as my invention—

A ventilating-cover for milk-pans, consisting of the convex top 2, having ventilating-apertures and provided on its under side with the stops 6, having depending lugs 10, the

horizontal portion of said stops being adapted to rest upon the top edge of a pan to provide an air-space between the pan and cover, and the depending lugs being adapted to prevent lateral motion to said cover by entering the pan and resting against its inner side, substantially as described.

In testimony whereof I have hereunto set my hand this 28th day of June, 1887.

JAMES DAVIES.

In presence of—
A. C. PAUL,
A. M. GASKELL.