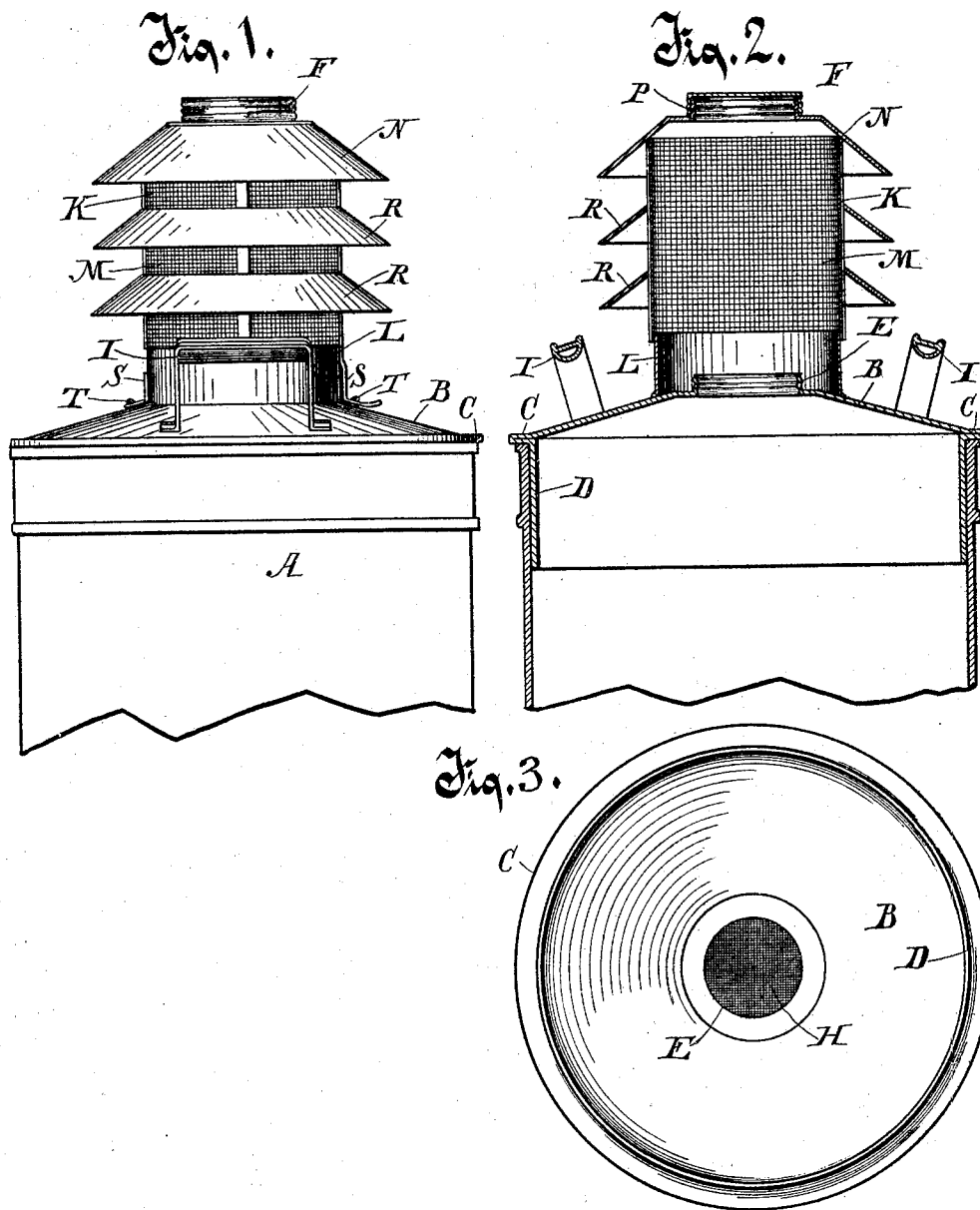


(No Model.)

N. H. TERENS.
MILK CAN COVER AND COOLER.

No. 473,481.

Patented Apr. 26, 1892.



Witnesses.

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UNITED STATES PATENT OFFICE.

NICHOLAS H. TERENS, OF MISHICOT, WISCONSIN.

MILK-CAN COVER AND COOLER.

SPECIFICATION forming part of Letters Patent No. 473,481, dated April 26, 1892.

Application filed May 14, 1891. Serial No. 392,680. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS H. TERENS, of Mishicot, in the county of Manitowoc and State of Wisconsin, have invented a new and useful Improvement in Milk-Can Covers and Coolers, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention relates to improvements in the cover of a milk-can. The can is such as is used for setting fresh milk for cooling it and for the cream to rise on it.

The object of my invention is to provide a cover adapted not only to serve to close the top of the milk-can, but also with an additional device connected thereto and forming a part of it, as a cooler permitting circulation of air in the can and the escape of heated air and vapors.

In the drawings, Figure 1 shows a fragment of a milk-can with my improved cover as a cooler thereon. Fig. 2 is a central vertical section of the same device shown in Fig. 1. Fig. 3 is an under side view of my improved cover.

The milk-can A is constructed of sheet metal, and is in the cylindrical form in common use at creameries and among dairymen. The cover is constructed principally of sheet metal and consists of the flaring and beveled top B, the outwardly-projecting flange C, and the rim or band D. The band D is of proper size to fit easily in the top of the can A, and the flange C rests on and projects slightly over the top of the can. This construction of the cover is adapted to prevent rain from getting into the can about the edge of the cover when the can is used out of doors. The top B of the cover is provided with a central aperture, about which is a screw-threaded neck E, integral with the top B. This neck E is adapted to receive removably thereon a screw-threaded cap F or a screw-threaded ring provided with a wire-cloth screen H.

It will be understood that with the tight cap F on the neck E the cover forms a tight rain-excluding top for the can. The rigid handles I serve for manipulating the cover.

To adapt my improved cover to serve as a cooler, the cap F, is removed from the neck E and a ventilating chimney or cupola K is secured to the cover about and above the central aperture therein. This cupola consists of a

ring L, constructed of sheet metal, to which is affixed a cylindrical perforated or wire-cloth screen M and a beveled or flanged top N, preferably provided with a central aperture having a screw-threaded neck P, on which the cap F may be turned. The flaring top N extends outwardly beyond the cylindrical screen M, so as to carry off rain to such extent that the drip therefrom will ordinarily fall on the top B. I also advisably secure other flaring rings R to the screen M at distances apart below the top N, which also serve as roofs to carry off rain that might otherwise beat against and pass through the screen into the can. The cupola is secured to the cover detachably conveniently by latches SS, attached to the ring L, which take into the catches T, secured to the top B.

Ordinarily when the cupola K is used on the cover the aperture in the top of the cover is left open; but in setting milk to be used for cheese it is sometimes desirable to not cool the milk too rapidly while permitting the limited escape of vapors and odors therefrom, and for this purpose the screen H may be used on the neck E in connection with the cupola thereon.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a milk-can cover provided with a central aperture, a ring surrounding said aperture, latches secured to the ring and having their free ends engaging catches upon the cover, a cylindrical perforated or wire-cloth screen secured to and projecting above the ring, and a flaring top projecting a distance beyond the cylindrical wire-cloth, substantially as set forth.

2. The combination of a milk-can cover having a central screw-threaded neck, a suitable cap therefor, a cylindrical perforated or wire-cloth screen having a base-support surrounding the neck, and a series of flaring rings arranged exteriorly of the cylindrical screen, the upper one of the series forming a top or cover and provided with a projecting screw-threaded neck to receive a suitable cap, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

NICHOLAS H. TERENS.

Witnesses:

F. HEYROTH,
B. MUELLER.