No. 803,636. PATENTED NOV. 7, 1905.

P. L. STEIN.

MILK COOLER.

APPLICATION FILED JULY 10, 1905.

Fig. 1.

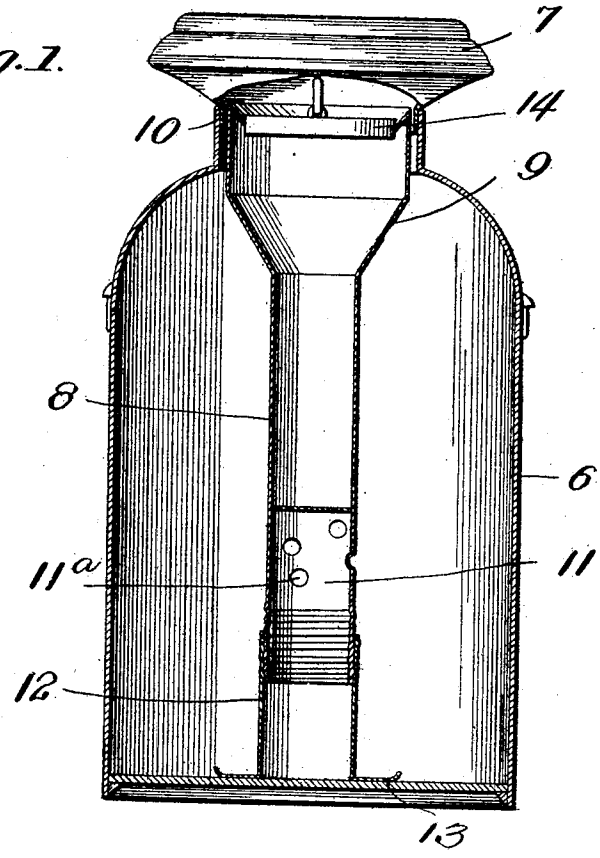
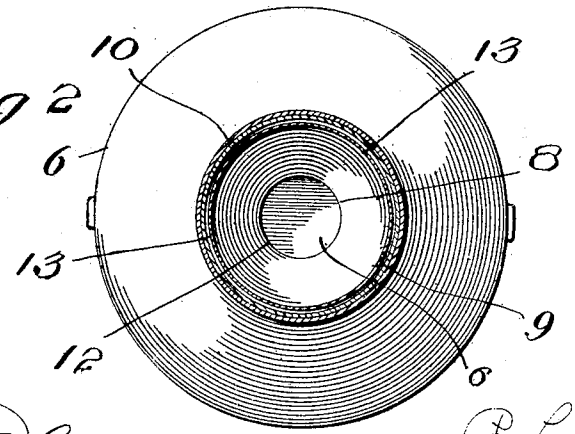


Fig 2



WITNESSES:

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PETER LOUIS STEIN, OF CANTON, MICHIGAN.

MILK-COOLER.

No. 803,636. Specification of Letters Patent. Patented Nov. 7, 1905.

Application filed July 10, 1905. Serial No. 269,022.

To all whom it may concern:

Be it known that I, PETER LOUIS STEIN, a citizen of the United States, residing at Canton, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Milk-Coolers, of which the following is a specification.

This invention is a cooler designed particularly for application to standard or existing milk-cans; and it consists of a tube arranged to be filled with ice and to be placed in the can and held in position therein by novel and improved means, as will be more fully apparent from the following description and the drawings.

In the drawings, Figure 1 is a central vertical section through a milk-can and my cooling-tube. Fig. 2 is a horizontal section thereof.

Referring specifically to the drawings, 6 indicates a milk-can of ordinary or known construction having the usual cover 7, which fits in the neck of the can.

My cooler comprises a tube 8, which is enlarged at the top, as at 9, said enlarged part being of proper diameter to fit snugly inside the can-cover—that is, the flange or cylindrical part of the can-cover fits in the space between the neck of the can and the enlarged part 9 of the cooler-tube. At the top the tube has an inturned rim 10, which is designed to prevent water or ice from spilling out of the tube in the handling of the cans.

In order to adapt the cooling-tube to cans of various depths, it has at the bottom an extended portion 11, which is exteriorly screw-threaded to screw into a tube 12, which is interiorly screw-threaded and which has a laterally-extending or bowl-shaped base 13, which rests upon the bottom of the can and by its broad bearing holds the cooler firmly in place. The base 13 is of course small enough to pass through the neck of the can.

In use the cooler may be adapted to cans of different depths by screwing the tube into or out of the base-piece, and so vary the height of the cooler that the enlarged part 9 will fit within the cylinder of the can-cover. The cooler is filled with ice in an obvious manner and when placed within the milk-can will serve to keep the milk cool in warm weather. The can may be used with or without the cooler, as desired, and the device has the advantage that it is applicable to existing cans without change thereof.

The cooler has a cover 14, which fits within the rim at the top thereof. The extended portion of the tube 11 has perforations (indicated at 11^a) to allow the milk to fill the same, thus enabling more milk to be put in the can than if the tube were closed. The tubes 11 and 12 are open at the bottom, so that they can be readily cleaned if and when desired.

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

1. A cooler for milk-cans comprising a tube threaded at the lower end and having a head slidable into and out of the neck of the can, and a laterally-extending base-piece resting on the bottom of the can and having a threaded tube into which said tube screws.

2. The combination with a milk-can, of a tubular cooler which rests on the bottom of the can and has an enlarged portion at the head fitting within the neck of the can, and a cover having a depending flange which fits snugly between the said enlarged portion and the neck of the can.

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

P. LOUIS STEIN.

Witnesses:

ELIZABETH J. PRICE,

JESSIE A. GORDON.