

(No Model.)

H. KENNEN.

MILK COOLER.

No. 359,261.

Patented Mar. 15, 1887.

Fig. 1.

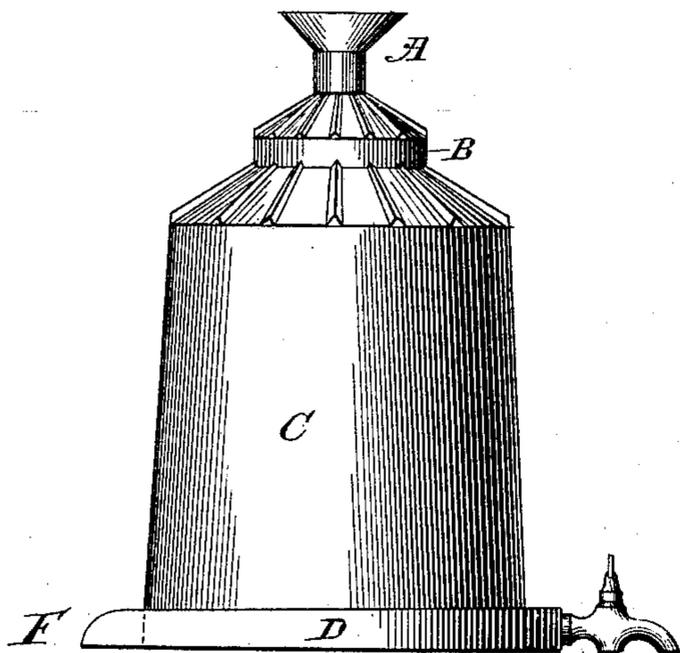


Fig. 2.

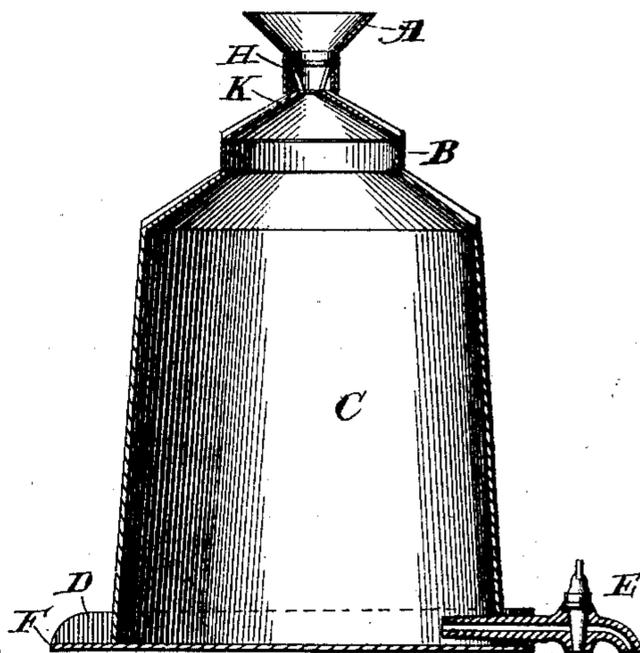


Fig. 3.

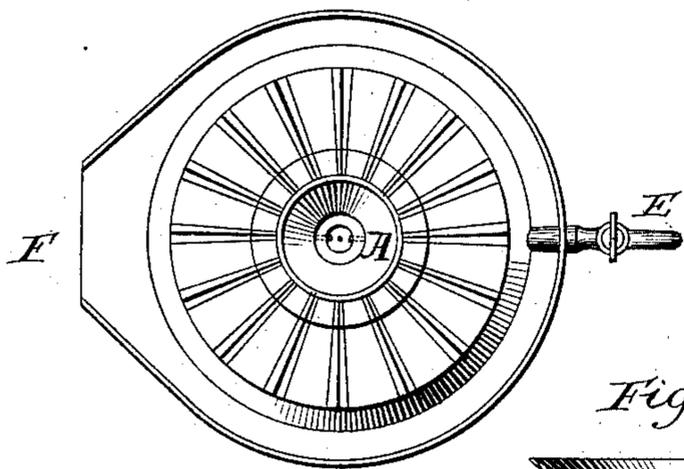


Fig. 5.

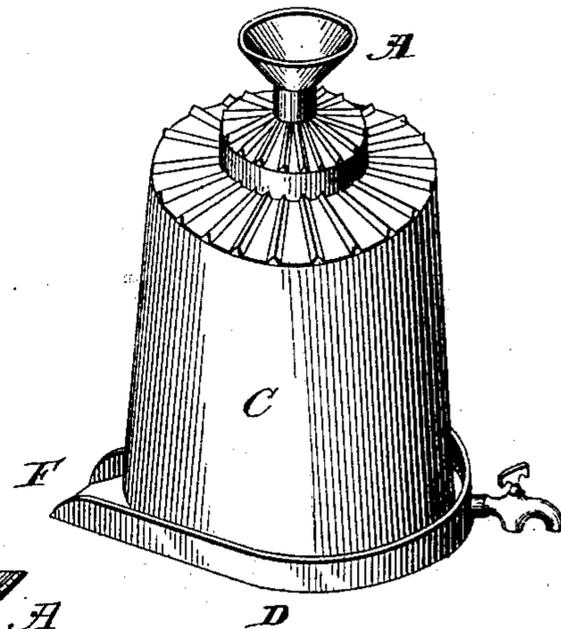
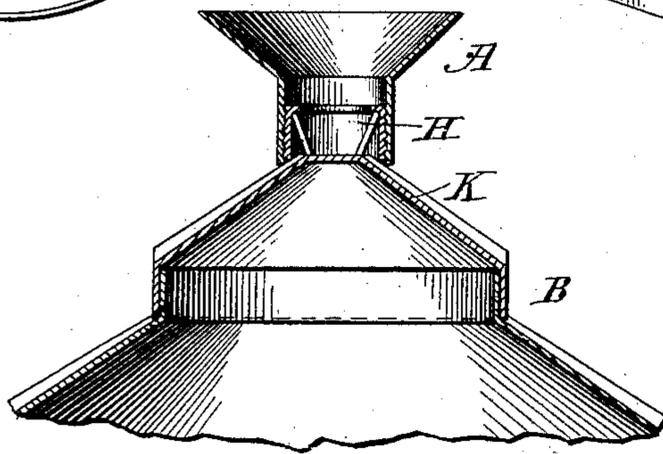


Fig. 4.



Witnesses
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HENRY KENNEN, OF NORFOLK, NEW YORK.

MILK-COOLER.

SPECIFICATION forming part of Letters Patent No. 359,261, dated March 15, 1887.

Application filed July 22, 1886. Serial No. 208,785. (No model.)

To all whom it may concern:

Be it known that I, HENRY KENNEN, a citizen of the United States, residing at the village of Norfolk, in the county of St. Lawrence, in the State of New York, have invented a new and useful Device for Cooling Milk, Cream, or other Liquid, of which the following is a specification.

The object of my invention is to almost instantly remove the animal heat from milk and cream, or to speedily reduce the temperature of liquids of any kind. I attain this object by the device illustrated in the accompanying drawings, in which—

Figure 1 is a perpendicular elevation of the entire device; Fig. 2, a vertical section through the center; Fig. 3, the plan as viewed from a position directly above; Fig. 4, an enlarged section of the top; Fig. 5, a perspective view.

Similar letters refer to similar parts throughout the several views.

This device is constructed of either tin or zinc.

The letter D represents a flanged receptacle with a mouth at F. The body C is can shape, and is narrower at the top than at the bottom. The body C is provided with a faucet, E. The top, which is firmly attached to the body C, is a corrugated frustum of a cone, and is surmounted by a collar, B. The cover K is a corrugated frustum of a cone provided with a flange which fits over the collar B.

H represents a hollow cylinder supported by two legs or standards, which are attached to the cover K. The lower edge of the cylinder H does not come in direct contact with the surface of the cover K, but is separated from the surface of the cover K by a space of about one inch. The outside surface of the cylinder H is provided with a spiral thread.

The letter A represents a funnel, which

screws down over the cylinder H until it meets the cover K. This funnel may be adjusted so as to leave any desired space between it and the cover K.

The operation of this device is extremely simple. First the cover K is removed and the can-like device is filled with ice and water. The cover K is then replaced. The funnel A is adjusted so as to leave a space between it and the cover K. The milk, cream, or other liquid is then allowed to run into the funnel A, passing through the cylinder H, escaping through the space between the funnel A and the cover K, running over the outside surface of the corrugated top and along down the outside surface of the body C into the flanged receptacle D, escaping at the mouth F.

At a recent trial of my device cream from a separator which entered the funnel A at 90° escaped at the mouth F reduced to 44°.

The length and slope of the sides of the device may be constructed according to the condition of the liquid to be cooled. Thinner or warmer liquids require longer sides and a greater slope.

Having fully described my invention, what I desire to claim, and secure by Letters Patent, is—

In a device for cooling milk, cream, or other liquids, the combination of a can-like receptacle, C, to hold the cooling liquid, a cone-shaped cover, K, a hollow cylinder, H, supported by standards attached to the cover K, and a funnel, A, which may be moved down over the cylinder H until it comes in close contact with the cover K, all combined to operate substantially as described.

HENRY KENNEN.

Witnesses:

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