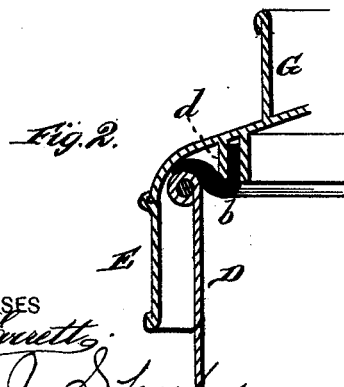
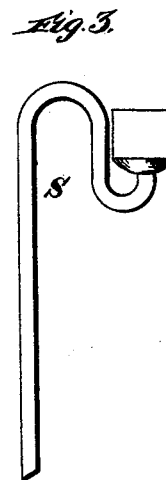
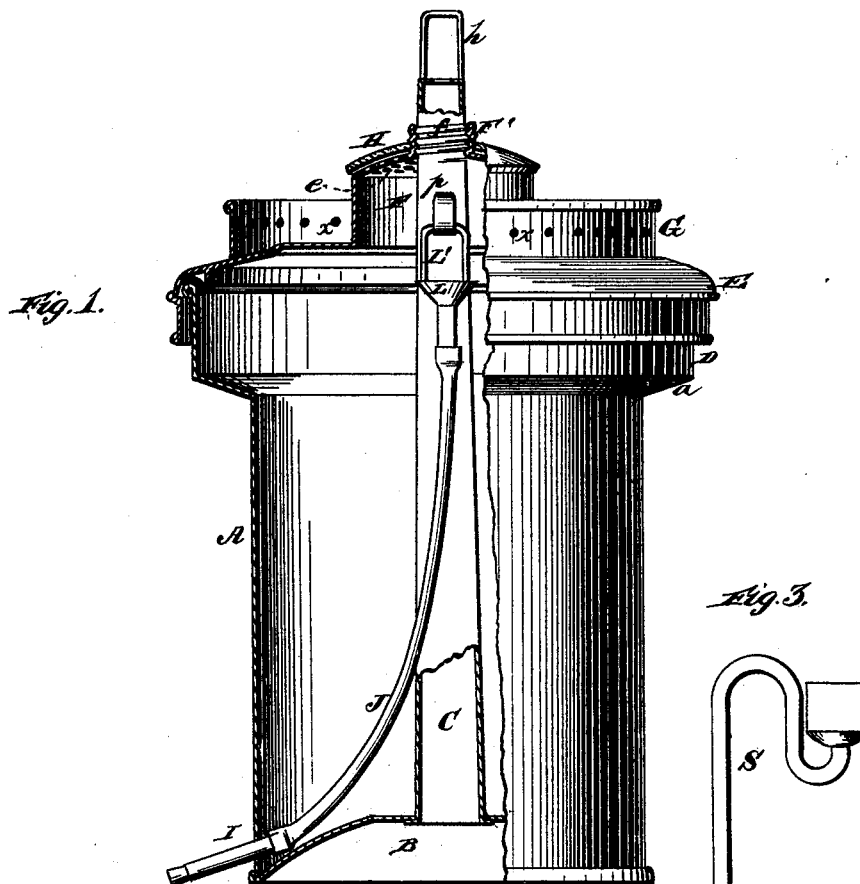


G. A. KENNEDY.
 Device for Separating Cream from Milk.
 No. 214,401. Patented April 15, 1879.



WITNESSES
Robert Everett
James J. Shuck

INVENTOR.
George A. Kennedy
George Smith & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE A. KENNEDY, OF COATICOOK, QUEBEC, ASSIGNOR TO CHARLES E. KENNEDY, OF HATLEY, QUEBEC, CANADA.

IMPROVEMENT IN DEVICES FOR SEPARATING CREAM FROM MILK.

Specification forming part of Letters Patent No. **214,401**, dated April 15, 1879; application filed July 27, 1878.

To all whom it may concern:

Be it known that I, GEORGE ALDRICH KENNEDY, tinsmith, of Coaticook, in the county of Stanstead, Province of Quebec and Dominion of Canada, have invented a new and valuable Improvement in Milk-Can, Cream-Raiser, and Skimmer Combined; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side (part vertical) central section of my milk-can. Fig. 2 is a sectional detail of the same; and Fig. 3 is a detail, showing siphon-skimmer.

The nature of my invention consists in the construction and arrangement of a milk-can, cream-raiser, and skimmer, as will be herein after more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

A represents the body of the can, made of any suitable dimensions, and provided with a conical bottom, B, from the center of which rises a tube, C, extending a suitable distance above the top of the can. The top of the can is enlarged at D, forming a shoulder, *a*, underneath. This enlargement D prevents the can from dipping water when placed in a tank of water, and the flange or shoulder *a* steadies and floats the can.

E represents the cover, which is made to fit over the edge of the enlargement D, and is provided with packing *b*, held around an interior concentric flange, *d*, so that the cover can be made air and water tight when desired. The cover E is, in its center and on its top, provided with a cup, F, which extends upward, and has a perforated cover, *e*, for ventilating the can. In the center of this cover is a screw-collar, F', which screws on threads formed at *f* on the outside of the tube C, so that the cover E can be screwed down, and, by means of the packing *b*, be rendered air and water tight. The cover E is further provided on top with a rim, G, concentric with the cover, and forming a receptacle for ice or water. This rim is, at

or near the upper edge, provided with perforations *x*, to allow the water to run over the cover into the tank. To the upper end of the tube C is secured a bail or handle, *h*, for lifting the can.

When the can is placed in a tank of water, the water will pass up into the tube C in the center, and thus cool the milk from the center as well as from the outside. If desired, the upper end of the tube may be closed air-tight by a cap or other suitable means, in which case, when the can is placed in the tank and the water rises in the central tube, the air therein becomes compressed in the upper end of the tube and acts as a buoy to aid in floating the can.

By means of the perforated cover at the top of the cup F, perfect ventilation is obtained for the milk, even when the cover is closed tight.

When the milk has been reduced to its lowest temperature, the ventilating-openings are closed by means of a cover, H, of flexible, elastic, or other suitable material.

In the side of the can A, near the bottom, is inserted a spout, I, to the inner end of which is connected a flexible pipe, J, and in the other end of this pipe is inserted the skimmer L, made in the shape of a funnel, as shown, and provided with a rigid bail, L', by means of which the skimmer can easily be manipulated so as to skim the milk, and allow the cream to pass down the pipe J and out at the spout I. When not in use the skimmer is hung on a hook, *p*, on the side of the center tube, so as to be above the surface of the milk.

The skimmer L may be attached to one end of a siphon, S, and then manipulated to draw off the cream, as shown in Fig. 3. Its operation is similar to that of any other siphon. The cup is sunk in the body of the milk, so that the cream will run over the edge of the cup, and will be drawn off by the siphon in the usual manner.

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

1. A milk-can provided with the enlargement D *a* and the inclosed central tube, C, substantially as and for the purposes set forth.

2. The cover E, provided with perforated rim G, and the cup F, with perforated cover *e*,

substantially as and for the purpose herein set forth.

3. The combination of the can A, center tube, C, with screw-threads *f*, and the cover E, provided with the packing *b*, cup F, perforated cover *e*, and screw-collar F', substantially as and for the purpose herein set forth.

4. The combination of the can A, spout I, flexible pipe J, and skimmer L with bail L',

all constructed substantially as and for the purpose herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE ALDRICH KENNEDY.

Witnesses:

JOHN WILLIAMS,

L. A. SPENARD.