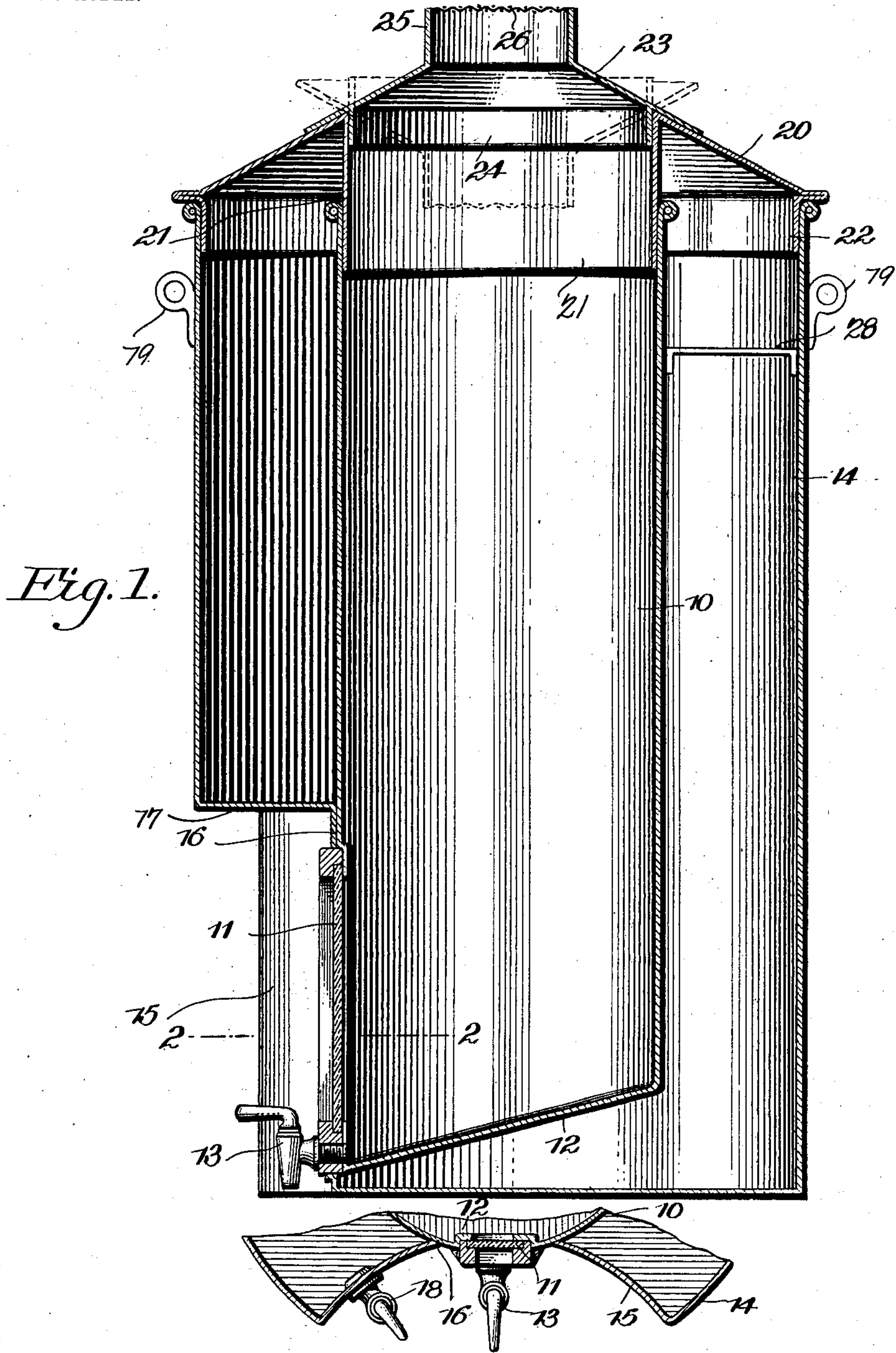


No. 746,264.

PATENTED DEC. 8, 1903.

S. R. BARHITE.
CREAM SEPARATOR.
APPLICATION FILED MAY 27, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL RUNDLE BARHITE, OF DES MOINES, IOWA.

CREAM-SEPARATOR.

SPECIFICATION forming part of Letters Patent No. 746,264, dated December 8, 1903.

Application filed May 27, 1903. Serial No. 158,990. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL RUNDLE BARHITE, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Cream-Separator, of which the following is a specification.

This invention relates to improvements in cream-separators or milk-coolers, and has for its object to simplify and improve devices of this character and produce a device simple in construction, easily operated, and readily cleansed; and the invention consists in certain novel features of construction as hereinafter shown and described, and specified in the claim.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters, Figure 1 is a vertical sectional elevation. Fig. 2 is a transverse section on the line 2-2 of Fig. 1.

The improved device consists in an inner shell or milk-receptacle 10, having a transparent gage 11 in one side and with an inclined bottom 12 and having a draw-off faucet 13 between the gage and the lowest point of the inclined bottom. Surrounding the milk-receptacle is a water-receptacle or outer shell 14, having a recess in one side opposite the gage 11 and faucet 13, formed by turning a portion 15 of the wall of the water-receptacle inwardly and curving the central portion 16 of the inturned portion outwardly again, the curve 16 conforming to the outer surface of the cream-separator. The outwardly-curved portion 16 is provided with an elongated aperture slightly larger than the combined area of the gage 11 and faucet 13, and the milk-receptacle will be set within the water-receptacle with the gage and faucet opposite this aperture and extending there-through and secured in place as by soldering applied between the edges of the aperture and the adjacent wall of the inner receptacle. The upper edge of the inturned portion 15 is connected to the water-receptacle by a filling-section 17, as shown in Fig. 1. By this means the gage and faucet are readily accessible without exposing more of the surface of the inner receptacle than is occupied by the gage and faucet, so that there will be

a minimum of loss from radiation and the greatest possible amount of the surface of the inner receptacle surrounded by the water. By this arrangement the milk-receptacle can be constructed complete with its gage and draw-off faucet and the water-receptacle likewise constructed complete with its recess having the central aperture, and then when the milk-receptacle is inserted it is only necessary to solder the edges of the aperture to the side walls of the inner receptacle, as above described. The labor necessary to connect the two parts is thus very slight and can be very quickly accomplished.

A draw-off faucet 18 for the water from the receptacle 14 may be placed through the inturned portion 15, which will thus be out of the way and so that no part of the device except the usual handles 19 will extend beyond the general surface of the water-receptacle.

The water-receptacle is provided with a closure in the form of an annular cover 20, having a depending rim 21, uniform with its inner opening and extending into the upper part of the milk-receptacle 10, and with an outer rim 22, extending into the water-receptacle 14, as shown in Fig. 1. By this means the water-receptacle is closed independently of the milk-receptacle and likewise forming a protector to the milk-receptacle by means of the depending inner rim 21, which serves, as will be obvious, to prevent the milk when poured in from entering the water-space. This is an important feature of the invention and adds materially to the value and efficiency of the device and saves time and labor, as less care is required in depositing the milk.

A secondary cover 23 is provided for the annular cover 20 and provided with a depending rim and adapted to fit into the inner rim 21, as shown. The smaller cover 23 is provided with a central aperture having a tubular extension 25, provided with a diaphragm 26 of screen material, as shown.

The secondary cover member when inverted in position or with the tubular extension and its screen extending into the central opening in the cover member 20 forms a "screen-funnel" to strain the milk when inserted into the receptacle 10.

When the water is to be renewed in the

receptacle 14, the cover member 20 may be removed and the secondary cover member placed over the milk-receptacle, which will thus protect the contents of the latter from the inflowing water, the tubular extension also assisting in protecting the milk-receptacle from the inflowing water.

One or more stays 28 may be arranged between the milk and water receptacle, as shown in Fig. 1, if required.

By this simple means a very complete, compact, and simply-constructed device of the character described is produced which may be manufactured in any desired size or capacity and of any required material.

Having thus described the invention, what I claim is—

A cooling-can comprising an outer shell having an open top, an inner shell disposed therein with the walls thereof spaced therefrom, a dome-shaped cover for said outer shell having its peripheral edge folded inwardly upon itself to form a rim and then bent down-

wardly to form a depending flange adapted to fit in the mouth of said outer shell with the rim projecting over the edge of said outer-shell mouth, said cover having a central aperture of a size to correspond with the top opening of the inner shell and provided with a depending rim around said aperture to fit in the opening of said inner shell, and a dome-like cover for said inner shell having a depending rim on its inner face spaced from the edge thereof and fitting in the aperture of said outer-shell cover with its projecting edge overlapping said outer-shell cover, said inner-shell cover terminating in a tubular extension having a perforated closure.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

SAMUEL RUNDLE BARHITE.

Witnesses:

E. S. HULSE,
E. M. GRAY.