No. 808,093. PATENTED DEC. 26, 1905.

L. KLEIBER.

CREAM CAN SUBMERGER.

APPLICATION FILED AUG. 7, 1905.

Fig. 1.

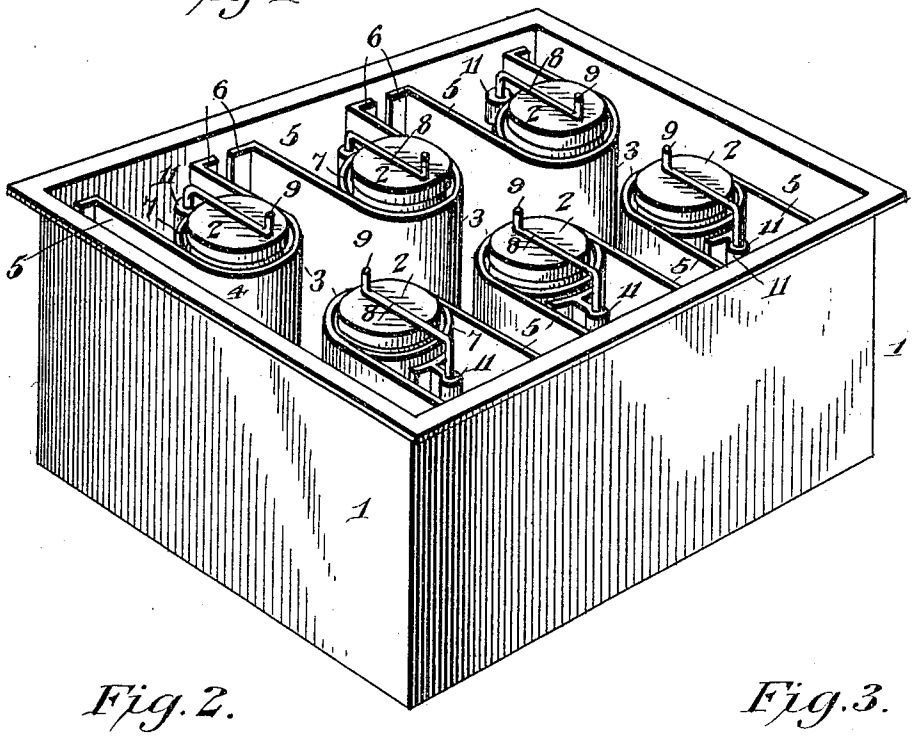


Fig. 2.

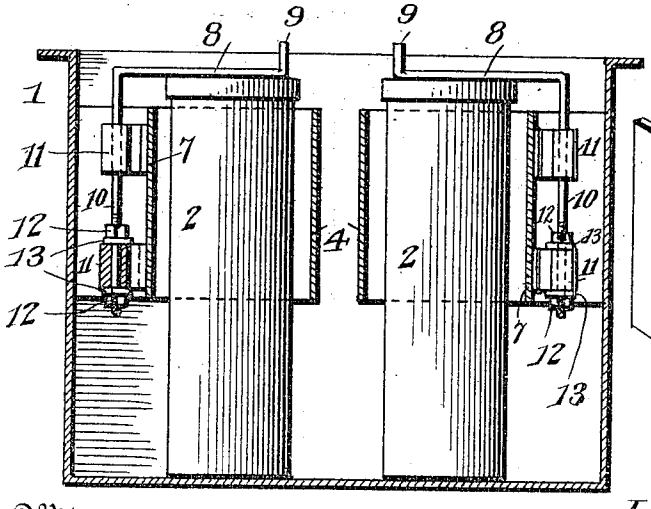
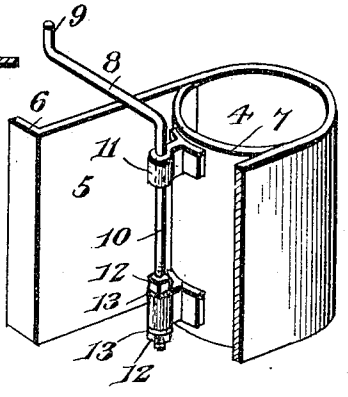


Fig. 3.



Witnesses

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CREAM-CAN SUBMERGER.

No. 808,093. Specification of Letters Patent. Patented Dec. 26, 1905.

Application filed August 7, 1905. Serial No. 273,060.

To all whom it may concern:

Be it known that I, LOUIS KLEIBER, a citizen of the United States, residing at Berlin, in the county of Green Lake and State of Wisconsin, have invented a new and useful Cream-Can Submerger, of which the following is a specification.

The invention relates to improvements in creamery apparatus.

The object of the present invention is to improve the construction of apparatus for submerging cream-cans for cooling the contents thereof and to provide a simple and comparatively inexpensive device adapted to receive a plurality of cream-cans and capable of preventing the same from tipping over even when the cans are not locked or fastened down to the bottom of the tank or other receptacle in which they are submerged.

A further object of the invention is to provide a cream-can submerger of this character which will permit cans to be readily placed in and removed from it and in which it will not be necessary for the cans to rest upon the bottom of the tank or receptacle.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a cream-can submerger constructed in accordance with this invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail perspective view of one of the can-holders.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a tank which may be constructed of any suitable material, either wood or metal, and which is adapted to loosely receive a plurality of cream-cans 2. The tank is designed to be filled with water for cooling the contents of the cans, and the latter are arranged within can-holders 3, consisting of sleeves 4 arranged vertically and conforming to the configuration of the cans. The sleeves are shown cylindrical; but they may be of any other desired configuration to suit the character of cans to be held. The can-holder, which is spaced from the bottom of the tank, is provided with a pair of inwardly-extending sides or arms 5, having outturned flanges 6, which fit against the inner faces of the side walls of the tank and which are suitably secured to the same. The sides or arms 5, which rigidly connect the can-receiving sleeve 4 to the tank 1, are preferably formed integral with the outer portion of the can-receiving sleeve 4, as clearly shown in Fig. 3 of the drawings, the inner side 7 of the sleeve, consisting of a curved sheet or plate, arranged between the sides or arms 5 of the holder and suitably secured at its side edges to the inner faces of the sides or arms 5. The sleeves and the arms may be formed in any other desired manner, as will be readily understood. The arms offset the sleeve of the can-holder from the side wall of the tank, so that there is a complete circulation of the water around the can, which is designed to be retained in the can-holder by means of a locking device 8, consisting of a horizontally-swinging arm provided with an upturned outer terminal 9 and carried by a vertical shaft or spindle 10. The upturned end 9 forms a convenient grip or handle for swinging the arm 8 into and out of engagement with the top or cover of the can, and the arm is preferably formed integral with the shaft or spindle, which is arranged in suitable bearings 11, consisting of brackets mounted on the sleeve of the can-holder between the sides thereof, as clearly shown in Fig. 3 of the drawings. The shaft or spindle is retained in the bearings of the brackets 11 by means of nuts 12, located above and below the lower bearing, washers 13 being preferably interposed between the nuts and the lower bearing-bracket. Any other suitable means, however, may be employed for retaining the shaft or spindle in proper position in the bearing-openings of the brackets 11. The brackets 11, which may be constructed in any desired manner, are provided at their outer ends with alined bearing-openings to receive the shaft or spindle and have laterally-extending attachment-flanges at their inner ends. The attachment-flanges are suitably secured to the inner side of the sleeve near the top and bottom thereof. The handles, which extend above the upper edge of the tank, are adapted to permit the arms to be readily swung into and out of engagement with the cans.

It is not necessary for the cans to extend to the bottom of the tank, and when they are

spaced therefrom they will permit a circulation of water beneath them, which will assist in cooling their contents.

The can-holders are also adapted to prevent a can from tipping over even when the same is not held by the locking device. The tank may be of any desired size, and any number of can-holders may be employed. Also the can-holders will admit of cans being submerged in running water, as the can-holder may be secured to any suitable support.

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

1. A device of the class described provided with a can-holder having a rigid sleeve of a size to loosely receive a can and having means movable independently of the sleeve for locking the can against upward movement in the sleeve.

2. A device of the class described provided with a can-holder consisting of a sleeve of a size to loosely receive a can, and a supporting-arm extending from the sleeve and rigidly secured to a suitable support.

3. A device of the class described provided with a can-holder consisting of a can-receiving sleeve and spaced supporting-arms, and a locking device mounted between the arms for retaining a can in the sleeve.

4. A device of the class described comprising a can-holder consisting of a can-receiving sleeve and spaced supporting-arms, and a locking device consisting of a swinging arm having a shaft or spindle mounted between the spaced arms of the can-holder.

5. A device of the class described, comprising a can-holder consisting of a can-receiving sleeve and spaced supporting-arms, bearing-brackets mounted on the sleeve and located between the arms, and a locking device consisting of a shaft or spindle mounted in the bearing-brackets, and a swinging arm located above the sleeve and arranged to engage the top of a can.

6. In a device of the class described, the combination with a tank, of a plurality of fixed can-holders located within the tank and spaced from the bottom thereof and provided with supporting-arms rigidly secured to the walls of the tank, said can-holder being of a size to loosely receive a can.

7. In a device of the class described, the combination with a tank, of a plurality of fixed can-holders located within the tank and being of a size to loosely receive a can, and spaced from the bottom thereof and provided with supporting-arms secured to the walls of the tank, and individual independently-operable locking devices for retaining the cans in the holders.

8. In a device of the class described, the combination with a tank, of a plurality of individual fixed can-holders mounted within the tank and spaced from the walls and bottom thereof and being of a size to loosely receive a can.

9. In a device of the class described, the combination with a tank, of a plurality of individual can-holders rigidly mounted within the tank and spaced from the walls and bottom thereof, and an independent locking device for each of the can-holders.

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

LOUIS KLEIBER.

Witnesses:
GEO. B. HEANEY,
MUMAN H. HEANEY.