

964,264.

Patented July 12, 1910.

Fig. 1.

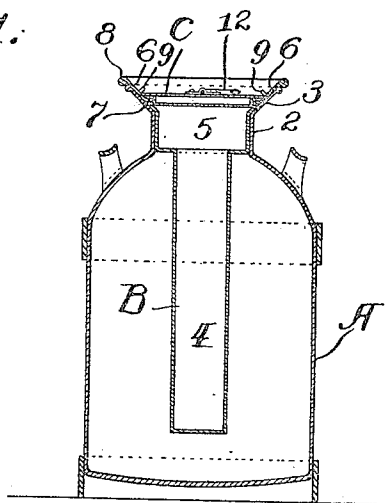
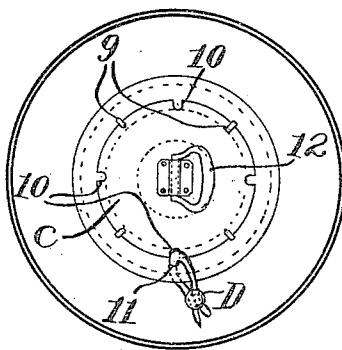


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

CARY H. JOHNSON, OF ST. PAUL, MINNESOTA.

MILK-CAN.

964,264.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed January 20, 1910. Serial No. 538,974.

To all whom it may concern:

Be it known that I, CARY H. JOHNSON, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and useful Improvement in Milk-Cans, of which the following is a specification.

My invention relates to improvements in milk cans and has for its primary object to associate with a shipping can for milk and cream, a cooling device for preserving the contents of the can.

I am aware that it is not broadly new to combine with a milk can a receptacle for ice which is adapted to depend in the can but where such devices have been employed, they have been found defective in construction for several reasons. In the first place prior constructions have not permitted the cans to be stacked on top of each other which is necessary in modern transportation for economy of space, in the second place the cooling device has been removable thus allowing access to the contents of the can while in transit and in the third place the cooling attachment has not been effectively inserted for preserving the refrigerant therein.

The primary object of my invention is to overcome these objections as well as others and at the same time to introduce a simple, inexpensive and practical construction which is highly serviceable.

In the accompanying drawings forming part of this specification Figure 1 is a vertical section of a milk can with my improvement applied thereto and Fig. 2 is a plan of the construction set forth in Fig. 1.

In the drawings A represents the body of a milk can having the usual neck 2 which is flared outwardly to form a crown 3 at its upper end.

B represents an ice receptacle which consists of a tube or ice chamber 4 which is closed at its lower end and formed with an enlarged upper end or magazine 5 also for containing ice. The magazine fits snugly in the neck 2 and assists in forming a stopper in the milk can. The upper end of the wall of the magazine is also flared outwardly to form a corresponding wall 6 with the crown 3, said wall being adapted to seat upon said crown to complete a stopper with the magazine 5 in the upper end of the milk can. The magazine 5 is closed by a cover C which is a hollow chamber in the form of a hous-

ing seated upon an inturned annular shoulder 7 which is formed in the wall 6. This cover is held in the magazine below the rim 8 thereof by inwardly projecting studs 9 on the wall 6. These studs project over the perimeter of the cover, said cover being formed with openings 10 which may be passed over the studs 9 by turning said cover and causing said openings 10 to register with the studs and then lifting the cover out of connection with the magazine of the ice receptacle. When the cover is placed in the magazine 5 of the ice chamber and moved into the position illustrated in Fig. 2, one of the openings 10 is adapted to register with corresponding perforations 11 passing through the crown 3 and the wall 6. A wire seal D is passed through said perforations and the corresponding opening 10 in the cover and the cover thus locked simultaneously with the ice receptacle in the can so that none of the parts can be removed and the can or ice chamber opened. The top of the cover is provided with a hinged handle 12 which is adapted to turn down flat upon the cover when not in use, and below the rim of the wall 6 of the ice chamber. By this construction a number of milk cans with my improvement can be stacked where- as in prior devices the handles or shapes of the tops of the cans do not permit such stacking. It will be observed that when the lock D is removed the ice receptacle can be lifted out of the can by the handle 12 on the cover C.

In accordance with the patent statutes I have described the principles of operation of my invention together with the apparatus which I now consider to represent the best embodiment thereof but I desire to have it understood that the construction shown is only illustrative and that the invention can be carried out by other means and applied to uses other than those above set forth within the scope of the following claims.

Having described my invention, what I claim as new and desire to protect by Letters Patent is:—

1. A milk can having a suitable inclosing chamber formed with a neck upon its upper end and a crown upon the upper end of said neck, an ice receptacle depending in said chamber having its upper end fitting in said neck and formed with an outwardly flaring wall adapted to seat upon said crown said wall having an annular inturned shoulder,

a cover below the rim of said wall and resting upon said shoulder, said cover having openings in its perimeter, a handle hinged upon said cover to turn down below the rim of said wall and a plurality of studs projecting in from said wall and over the edge of said cover to hold the latter in engagement with said receptacle, said openings being adapted to register with said studs and permit the removal of said cover from said receptacle.

2. A milk can comprising a receptacle formed with a neck upon its upper end and a crown upon the upper end of said neck, an ice receptacle depending in said chamber and having an enlarged upper end forming an ice magazine for the receptacle said upper end being provided with an outwardly flaring wall adapted to seat over said crown, a cover seated upon said wall and having an inner dead air space and a plurality of openings in its outer edge, a plu-

rality of studs projecting in on said wall over the edge of said cover to hold the latter below the rim of said wall, a handle hinged upon said cover and turning down below the rim of said wall, said wall and crown being perforated and a lock passing through the perforations in said crown and wall and one of said openings in said cover to lock the cover, milk receptacle and ice chamber together when in closed condition, said cover being adapted to be turned with its openings to register with said studs and permit the cover to be removed from the ice chamber when said lock is disengaged.

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

CARY H. JOHNSON.

Witnesses:

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