May 8, 1928.

1,668,598

G. M. OSBORN

COOLING BAG

Filed Jan. 30. 1926

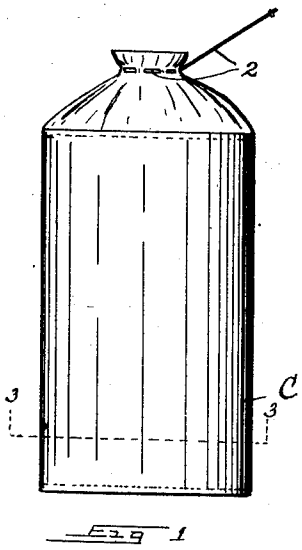


Fig. 1

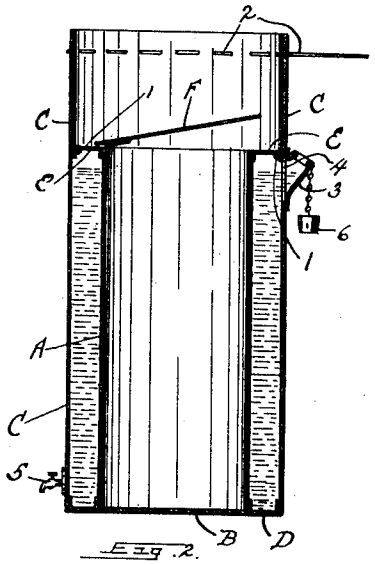


Fig. 2.

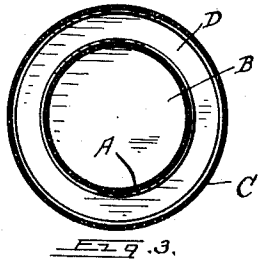


Fig. 3.

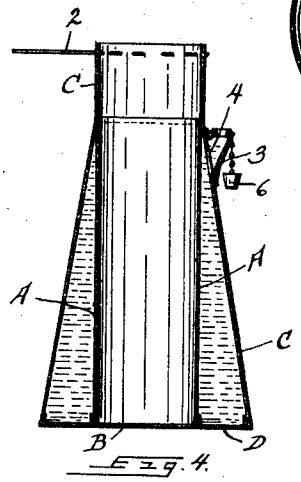


Fig. 4.

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Patented May 8, 1928.

1,668,598

UNITED STATES PATENT OFFICE.

GLENN M. OSBORN, OF SALT LAKE CITY, UTAH.

COOLING BAG.

Application filed January 30, 1926. Serial No. 84,962.

My invention relates to temperature controlling means and has for its object to provide a new cooling bag wherein liquids or solids may be kept cool in hot weather by rapid evaporation of water surrounding such liquids or solids.

A further object is to provide a new and convenient receptacle in the form of a collapsible bag, wherein liquids, such as water or milk, or solids, such as butter, fresh vegetables, fresh fruits and other articles, may be kept cool and fresh.

These objects I accomplish with the device illustrated in the accompanying drawings in which similar letters and numerals of reference indicate like parts throughout the several views and as described in the specification forming a part of this application and pointed out in the appended claim.

In the drawings in which I have shown the best and most substantial embodiment of my invention, Figure 1 is a side elevation of my device. Figure 2 is a longitudinal diametrical section of the same. Figure 3 is a section on line 3—3 of Figure 1; and Figure 4 shows one of the many obvious ways in which my invention may be applied without departing from the spirit of the invention.

The invention consists of a flexible canvas bag, shown in cylindrical form as A, and having a circular canvas bottom B therein. A larger canvas bag C is spaced concentrically from the said bag A, and the canvas bottom B extends outwardly and forms the annular bottom D for the bag C. An annular canvas top E is secured between the upper edge of the bag A and the adjacent wall of the bag C. A ring of spring material 1 is secured to the inner wall of the bag C and to the outer edge of the top E where they join, to keep the said bags A and C normally extended. The said bag C extends above the bag A and is provided with a draw string 2 by means of which the bag C is closed and a covering provided for the bag A. A spout member 3 is secured around an opening 4 in the wall of said bag C adjacent the upper end of the bag A through which opening 4 and spout 3 the annular space between the said bags A and C is filled and a stop cock 5 is also provided near the bottom of the bag C through which liquid may be drawn from said bag C when the bag A is filled and may not be tipped as would be required when drawing liquid through the inlet opening 4. The said spout 3 is stopped by the cork or cap 6. A hinged lid F is provided for closing the said bag A which is likewise made of canvas. The pieces of canvas used in the casings A and C, as well as the bottoms B, D are flexible and are coated with any of the conventional compounds to render canvas impervious to water except slow percolation thereof. In Figure 4 I have shown a slight modification of the device wherein the annular top E is omitted. When the device is to be used as a water carrier, both bags may be filled. When the device is to be used to keep water or other liquid cool, the outer bag is filled to the annular top E with water and the cooled liquid is carried in the bag A. When the device is to be used to preserve the flavor and freshness of fruit, vegetable and other foods, as in display crates, the upwardly extended portion of the bag C may be rolled downwardly or removed, and such foods kept in the bag A. With the bag C filled with water to the annular partition or top E, the slow percolation through the canvas will evaporate rapidly and cool the contents of both bags A and C.

Having thus described my invention and its use I desire to secure by Letters Patent and claim:—

In a cooling receptacle the combination of a flexible canvas bag; a canvas bottom and a detachable cover therefor; another canvas bag spaced from the wall of said bag; a canvas bottom therein on the plane of the first mentioned bottom; an annular canvas partition with its outer edge secured to the inner face of the outer bag and its inner edge secured to the upper edge of the first mentioned bag; a resilient ring secured to the wall of the outer bag and the annular partition; means of ingress and egress to the space between the walls of said bags.

In testimony whereof I have affixed my signature.

GLENN M. OSBORN.