Aug. 16, 1927. 1,639,418

R. C. WASHBURN

ICE CREAM CAN JACKET

Filed April 30, 1924

FIG. 1.

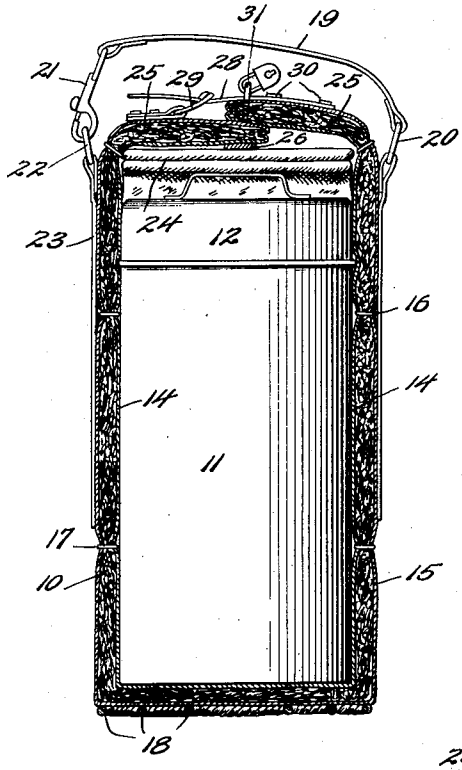


FIG. 2.

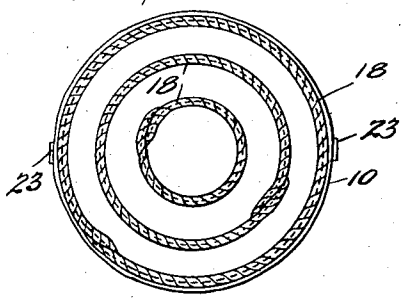
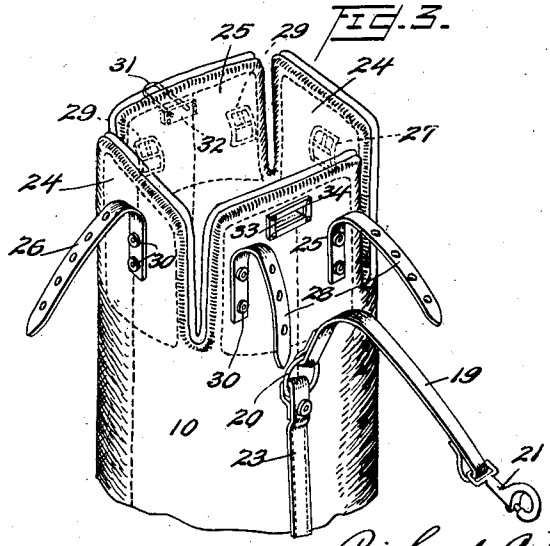


FIG. 3.



Inventor

Richard C. Washburn,

By Watson, Coit, Grosse & Grindle

Attorney

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UNITED STATES PATENT OFFICE.

RICHARD C. WASHBURN, OF SAUGERTIES, NEW YORK.

ICE-CREAM-CAN JACKET.

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This invention relates to jackets for ice-cream cans and more particularly to jackets formed of cloth, lined with heat insulating material, intended to contain cans of ice-cream, milk or other products during transportation or shipment over short distances, eliminating the use of packing tubs and ice.

It is an object of this invention to provide an ice-cream can jacket which shall have means for closing the top in a manner to prevent the entrance of air.

It is another object of this invention to provide in an ice-cream can jacket means whereby the can may readily be placed within the jacket.

It is a further object of this invention to provide an ice-cream can jacket having a handle of the bail type which handle may be disconnected from the jacket at one point in order to facilitate the placing of the can within the jacket.

A still further object of this invention consists in the provision of locking means for an ice-cream can jacket whereby the removal of a part or all of the contents of the can is prevented.

It has been a common practice in the past when shipping ice-cream and other products in any considerable quantities to pack it in a cylindrical metal can having a tight fitting lid and pack this can in a bucket or tub containing ice and salt in order to keep the ice-cream cold and in a solid condition. It has been found, however, that shipments over considerable distances can be made satisfactorily if the can is protected by means of a covering of heat insulating material such as hair-felt or similar substances, and there is provided by this invention a suitable jacket for that purpose which comprises broadly an inner and outer canvas covering having included therebetween a substantial layer of hair-felt or other heat insulating substance and having means at the top for closing the jacket against the entrance of air.

The invention may be understood by reference to the following specification taken in conjunction with the accompanying drawings, in which:

Fig. 1 is a longitudinal cross-section of an ice-cream can jacket constructed according to this invention showing the can in position:

Fig. 2 is a bottom plan view of the jacket: and

Fig. 3 is a perspective view of the top portion of the jacket showing the closing means in an open position and ready to receive a can.

Referring to the drawings, there is shown a jacket 10 adapted to closely fit about, and insulate from the outside air, the usual form of ice-cream can or other container 11 which is substantially cylindrical in form and has a frictionally retained lid 12 thereon. The jacket 10 is of substantially tubular form and comprises an inner covering 14 and an outer covering 15 which are preferably made of suitable heavy material such as canvas or duck. Between these two coverings is a thick layer of wool-felt or cows' hair felt or any other suitable heat insulating material which is sufficiently flexible for the purpose. If desired, the inner and outer jackets and the insulating layer may be quilted together by rows of stitches as shown at 16 and 17.

As shown in Figure 2 the circular bottom of the jacket is provided with concentric reinforcing ropes 18 which are stitched to the bottom and thus support the canvas jacket out of contact with any surface upon which the jacket may be resting, preventing chafing of this canvas between the can and the floor of a car or motor truck in which the ice-cream may be shipped and adding materially to the life of the jacket.

In order to provide ease in handling, there is arranged a bail-like strap handle 19 formed of either leather or reinforced canvas, being fastened at one end to a ring 20 and having attached to its opposite end a snap hook 21 of any suitable form which is adapted to be hooked in a ring 22 similar to that shown at 20. The rings 20 and 22 are supported in loops formed in the upper ends of the reinforcing straps 23 which may be stitched and riveted to the opposite sides of the jacket.

It is intended that the can shall be placed in the jacket while both are in an upright position, and for this purpose the top of the jacket is open and is provided with four flaps 24—24 and 25—25 which are adapted to be folded down over the can after it is in position in order to effectively exclude the air. For this purpose each flap is of a length substantially more than half the di-

ameter of the jacket, and the two flaps 24—24 which are adapted to be folded down first are provided with a strap 26 and buckle 27 respectively so that they can be tightly strapped down against the top of the can. The second set of flaps 25—25 are adapted to be folded down over the flaps 24—24 and for this purpose are provided with straps 28 and buckles 29 respectively, two straps being furnished in this instance in order that the corners of the flaps may be more effectively held down. These straps and buckles may be attached by riveting or stitching or by a combination of these two fastening methods. As shown in the drawings the rivets 30 are used to fasten the straps to the flaps and these rivets pass clear through the material of the jacket which is reinforced on the inside by means of small leather washers preventing the heads of the rivets from being pulled through the fabric.

It will be noted that each pair of flaps 24—24, 25—25 is of such size and shape as to substantially close the open end of the jacket. With both pairs of flaps folded down, a very effective closure of the end of the jacket is secured. Preferably each flap is made generally rectangular in shape as shown in the drawings, of a width substantially equal to the open end of the jacket and of a length sufficient to overlap the end of the opposing flap. Consequently two such flaps folded down on each other substantially close the end of the jacket as stated.

The bail handle 19 is made comparatively short in order that the jacket containing the can may be carried by a man without dragging on the ground and it is therefore too short to be conveniently turned to one side for the purpose of placing the can within the jacket and hence it is provided with a snap 21 so that it can be readily disconnected at one end and thrown aside while filling the jacket.

In order to prevent the unauthorized removal of the contents of a can, means are provided to lock the jacket on the can. For this purpose the flap 25 containing the buckles 29 is provided with a staple 31 attached to a rectangular metal plate 32 which is riveted to the flap. The opposite flap is provided with a slot 33 adapted to pass over the staple, the edges of which are reinforced by a metal plate 34 riveted to the flap. When the flaps are closed and the staple passed through the slot a padlock or seal may be passed through the staple to effectually retain the jacket closed.

Ice-cream can jackets constructed according to this invention will be found to have a number of important advantages among which are the ease in handling, the protection offered by their padding to the cans, the small amount of space occupied during shipment and the very effective manner in which the ice-cream is kept cold over a considerable period of time even when the outside temperature is comparatively high. While but one embodiment of this invention has been disclosed it is obvious that it is capable of a number of modifications and it is to be understood that this invention is only to be restricted by the scope of the appended claims.

While this invention has been described for use with ice-cream cans it is obvious that it may be used with equal facility and saving for the shipment of milk, various food products or in fact any commodity which must be kept at a fairly constant temperature during shipment.

Having thus described my invention what I claim as new and desire to be secured by Letters Patent is:

1. A jacket for ice cream cans including in combination, a tubular body portion closed at the bottom, adapted to fit and insulate a can, and formed of heat insulating material, a plurality of pairs of opposed flaps of insulating material to close the end of said jacket over a can, the combined area of each pair of flaps being of such size and shape as to substantially close the open end of the jacket and means for holding the flaps in closed position.

2. A jacket for ice cream cans including in combination, a tubular body portion closed at the bottom, adapted to fit and insulate a can, and formed of heat insulating material, a plurality of flaps of insulating material to close the end of said jacket over a can, each flap being of such size and shape as to cover the major portion of at least two other flaps and means for holding the flaps in closed position.

3. A jacket for ice cream cans including in combination, a tubular body portion closed at the bottom, adapted to fit and insulate a can, and formed of heat insulating material, a plurality of pairs of opposed flaps of insulating material to close the end of said jacket over a can, the combined area of each pair of flaps being of such size and shape as to substantially close the open end of the jacket, means for holding the flaps in closed position, a flexible, bail like handle secured at its ends to said jacket and passing so closely over said flaps as to prevent their being opened, and means to detach one end of said handle.

4. A jacket for ice cream cans including in combination, a tubular body portion closed at the bottom, adapted to fit and insulate a can, and formed of heat insulating material, a plurality of flaps of insulating material to close the end of said jacket over a can, each flap being of such size and shape as to cover the major portion of at least two other flaps, means for holding the flaps in closed position, and a handle secured to said

jacket and passing closely over said flaps, one end of said handle being detachable.

5. A jacket for ice cream cans including in combination, a body portion closed at the bottom, adapted to fit and insulate a can, and formed of heat insulating material, two pairs of opposed flaps of insulating material to close the end of said jacket over a can, each flap of each pair being generally rectangular in shape and of a width sufficient to extend substantially across the open end of the jacket and of a width sufficient to engage the opposing flap of the pair, and means for holding the flaps in closed position.

6. A jacket for ice cream cans, including in combination, a body portion closed at the bottom, adapted to fit and insulate a can and formed of heat insulating material, an inner pair and an outer pair of opposed flaps of insulating material adapted to close the end of said jacket, each flap of said inner pair being generally rectangular in shape and of a width substantially equal to the width of the open end of the jacket and of a length sufficient to extend at least half the distance across the open end of said jacket, said outer pair of flaps also being of a width and length sufficient to substantially close the end of the jacket, and means for holding the flaps in closed position.

In testimony whereof I hereunto affix my signature.

RICHARD C. WASHBURN.