May 28, 1940. A. R. GLIDDEN 2,202,652

MILK CONTAINER

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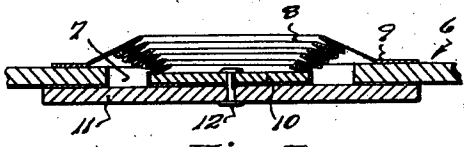


Fig. 3.

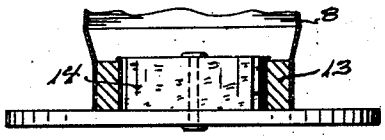


Fig. 5.

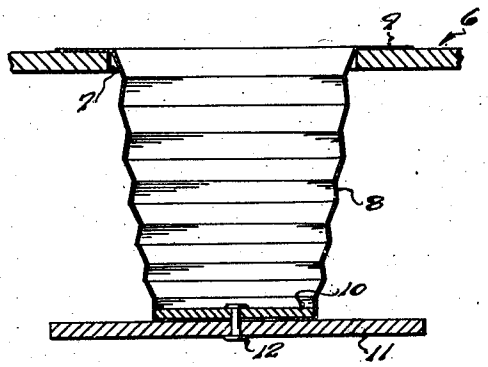


Fig. 4.

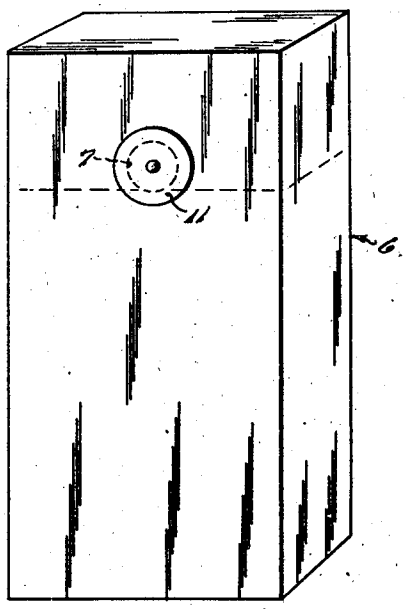


Fig. 1.

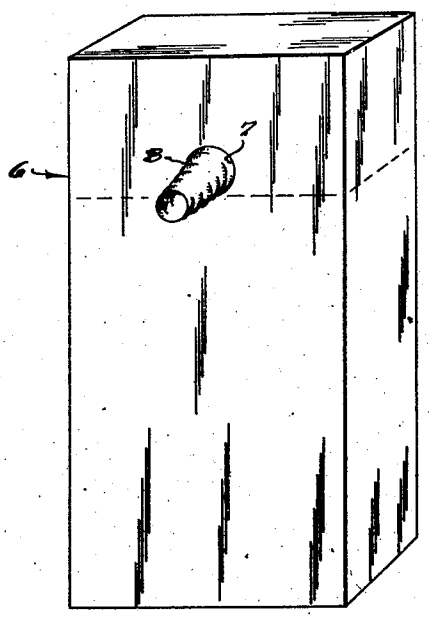


Fig. 2.

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UNITED STATES PATENT OFFICE

2,202,652

MILK CONTAINER

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Application May 20, 1938, Serial No. 209,077

3 Claims. (Cl. 221—11)

This invention relates to containers and in the disclosed adaptation is particularly related to milk containers, having as its objects to provide an especially practical container which can be inexpensively produced from paper or other like or similar material, which will be of simple construction, and which will permit liquid or any other appropriate commodity to be effectively sealed within the same.

It is a still further and particular object to provide a collapsible spout in a container of the character and for the purpose described and more especially, in the use of the container as a milk bottle, to provide a pouring spout permitting withdrawal of cream separately from the milk.

In the drawing:

Figure 1 is a perspective view of a container constructed to embody the teachings of the present invention and showing the pouring spout in its collapsed position.

Fig. 2 is a similar view with the spout extended and the sealing cap removed from the discharge end thereof.

Fig. 3 is an enlarged fragmentary horizontal section taken on the line of the collapsible spout to detail the latter.

Fig. 4 is a similar view with the spout extended preliminary to a removal of the sealing cap; and

Fig. 5 is a horizontal section detailing a modified form of seal for the outlet end of the spout.

Having reference to said drawing the numeral 6 generally designates the container, illustrated as being formed in the shape of a rectangular shell from a blank of a suitable flexible material such as paper-board or the like permitting sides and ends to be brought into overlapping relation and cemented. The material is desirably waterproofed and a cylindrical or other applicable design is obviously within the spirit of the invention.

In one side of this shell 6 is provided an opening, as 7, into which is received an extensible spout 8 desirably formed from paper in the shape of a truncated cone and plaited to permit the same to be collapsed into the recessed position shown in Fig. 3. The inner wide end of this spout is marginally cemented, as at 9, over the inner wall of the shell in surrounding relation to the opening and the outer narrow end of the spout is sealed by crimping the edges and introducing the same between a pair of complementary discs 10 and 11 which are fixedly connected by staples or the like 12. When originally packaged, the disc 11 is cemented over the outer wall of the shell and it will be understood that this described seal is broken by the act of stripping the discs from the discharge end of the spout. A modified form of closure is represented in Fig. 5, comprising a sleeve 13 cemented in the discharge end of the spout for the reception of a disk to which is affixed a cork, rubber or other suitable plug 14. When the container is designed for use as a milk bottle, the opening 7 is located in spaced relation below the upper limits of the shell in a position defining the cream level of the contents, permitting withdrawal of the cream separately from the milk.

The invention is believed clear from the foregoing description and while I have illustrated and particularly described an embodiment believed to best portray the invention it is not my intention to thereby imply any limitations excepting as the same are necessarily introduced to the hereto annexed claims to distinguish from the prior state of the art.

What I claim is:

1. A paper-board container formed with an opening for the discharge of the contents and having a pouring spout of a flexible material extending from said opening, the spout being in the form of a plicated tube to permit movement from a collapsed position whereat the plaits are juxtaposed upon one another into an exposed operating position whereat the plaits are expanded to project outwardly from the container, and a removable seal for said spout comprising a pair of flat discs, one superposed upon the other, having the edges of the spout caught between the same.

2. A paper-board container for milk formed with a single opening disposed in the side wall at a height defining the approximate line of separation between milk and cream within the container, and a pouring spout for said opening fitted with a removable seal, said spout being plicate in form to permit movement thereof from a collapsed position whereat the plaits lie in juxtaposition relatively flush with the related side wall of the container into an exposed operating position whereat the plaits are expanded to project outwardly as a tube from the wall.

3. A paper-board container for milk formed with an opening located in the side wall at a height defining the approximate line of separation between milk and cream within the container, a pouring spout for said opening having its inner end cemented to the side wall of the container with its spout-forming wall movable through said opening from an inoperative position at which the spout lies within the container into an exposed operating position at which the spout projects outwardly from said side wall, and a sealing disc disposed to overlie the inoperatively positioned spout with its edges cemented to the wall of the container about the margins of the opening, said seal being broken by the act of stripping the same from the wall to permit movement of the spout into its pouring position.

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