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CONTAINER FOR DISPENSING LIQUIDS

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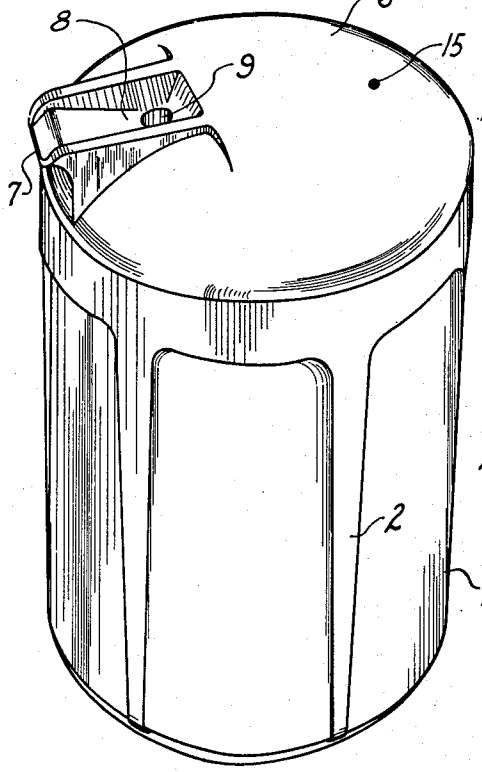


Fig. 1

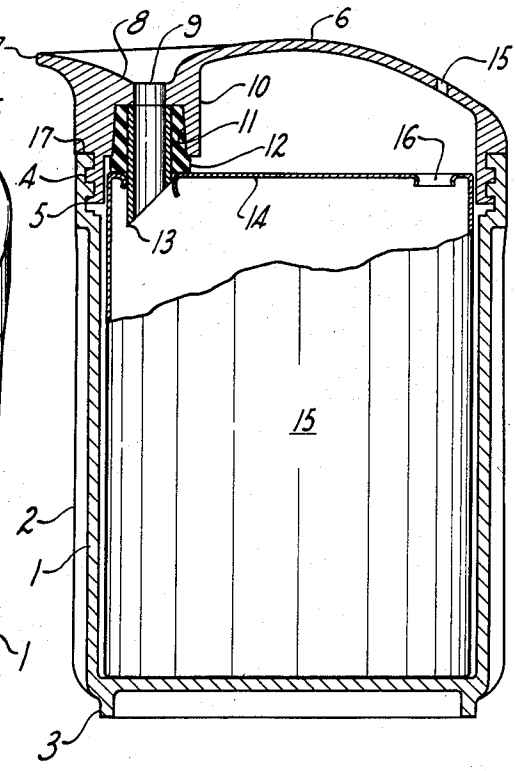


Fig. 2

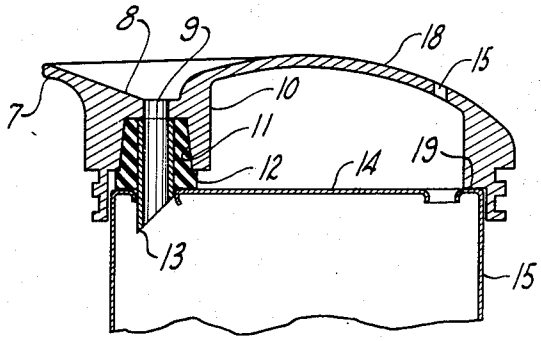


Fig. 3

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CONTAINER FOR DISPENSING LIQUIDS

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2 Claims. (Cl. 222—88)

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This invention relates to containers for dispensing liquids from sealed cans, such as condensed milk, and it is among the objects thereof to provide a dispensing container which shall be adapted to pierce and seal a can and retain it in solid position when the container is tilted in use, such container being adapted to designs pleasing in appearance.

The invention will become more apparent from a consideration of the accompanying drawing, constituting a part hereof, in which like reference characters designate like parts, and in which:

Fig. 1 is a view in perspective of a dispensing container embodying the principles of this invention;

Fig. 2 a vertical cross sectional view thereof, partially in elevation; and

Fig. 3 a vertical section of a fragmentary portion of a modified form of the container shown in Fig. 2.

With reference to the drawing, numeral 1 designates a substantially cylindrical shaped container, preferably of plastic or other materials, that is provided with ribs 2 that constitute grips and an axial flange 3 on which it is seated. The container is provided with a threaded end 4, the threads of which interact with the threads 5 of a cover 6. The cover is provided with a pouring lip 7 and a self-draining recess 8 that terminates in the opening 9.

The pouring end of the lid is provided with an enlarged section 10 having a recess 11 for receiving a sealing gasket 12 of neoprene or other synthetic or natural rubber, and a piercing tube 13 is held by the gasket 12 in a position to pierce and extend below the top 14 of a metal container such as used for liquid foods such as condensed milk. A cover 6 is provided with a vent opening 15 and the parts are assembled for dispensing the fluid content from the metal container 15, the dispensing container 1 being of substantially the size to hold the inner container 15.

The operation of the above described invention is briefly as follows. A vent hole 16 is made in container 15 by pressing piercer 13 on cover 14. The piercer 13 is then withdrawn and placed 180° from vent hole 16. The piercing point is then forced through cover 14 until sealing gasket 12 seats as shown in Fig. 3. Container 1 is then raised around container 15 to engage threads 4 and 5 and is rotated to firmly screw cover 6 on the container 1. Rotation of the cover puts pressure on sealing gasket 12 to prevent escape of fluid except through pouring spout 9. Any liquid escaping from the vent hole 16 cannot pass into the outlet 9 but will flow back into the can 15.

In the modification shown in Fig. 3 the cover 18 is provided with a shoulder 19 that seats on top of the end 14 of can 15 as shown. This is to firmly hold the cover on the inner container when assembling and to eliminate movement thereof in use.

It is evident from the foregoing description of

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the invention that a dispensing container made in accordance therewith is ornamental in appearance and practical in use, in that it assembles a can of fluid and pierces it after which it is firmly held in place by the piercing element of the sealer 12, or, as shown in Fig. 3, by the piercer sealer and the cover shoulder 19.

Although several embodiments of the invention have been herein illustrated and described, it will be evident to those skilled in the art that various modifications may be made in the details of construction without departing from the principles herein set forth.

I claim:

1. A dispensing container for condensed milk and the like, which consists of a substantially cylindrically shaped container body having a threaded end at the top thereof, a cover for said container having a thread for interacting with the thread of the container, said cover having a shoulder for receiving the edge of the container to constitute the container and cover walls a continuous uninterrupted surface, said cover having an enlarged portion with a recess of inverted frusto-conical shape, a gasket of similar shape in said recess, a piercing element disposed in said gasket and adapted to abut the base of the recess for the sealing gasket, and a pouring opening in said cover disposed centrally of the gasket recess, said cover having a lip and being recessed from the lip to the pouring opening to form a self-draining well for liquid.

2. A dispensing container for condensed milk and the like comprising a body portion in the shape of a vessel with a closed bottom and open top having a threaded portion on the inner wall at the top thereof, a cover having a threaded portion on the outer face thereof for interacting with the threads of the container, the threads of the cover terminating in a shoulder which seats on the edge of the container, said cover having an enlarged portion with a pouring opening and a recess of inverted frusto-conical shape in register with said opening, a complementary shaped sealing gasket disposed in the recess of the enlarged portion and having a piercing tube cut at an angle to form a piercing point, the tube being disposed centrally of the gasket and being of a diameter larger than the pouring opening to abut against the bottom of the recess, said sealing gasket constituting an abutment for the milk container disposed inside of the dispensing container when the cover member is fully threaded against its seat.

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