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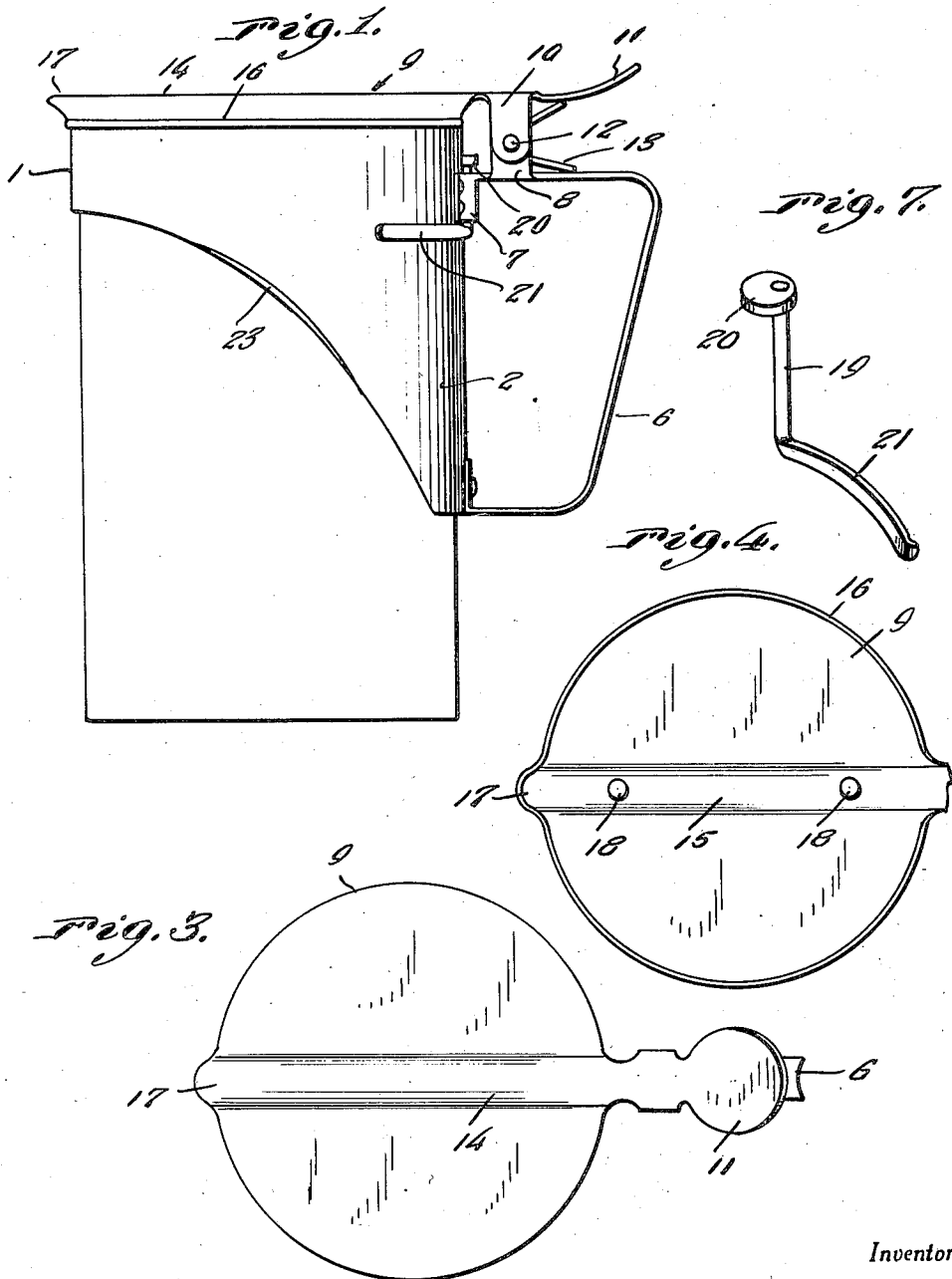
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CAN PERFORATING AND POURING ATTACHMENT

Filed Feb. 14, 1931

2 Sheets-Sheet 1



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Fig. 2.

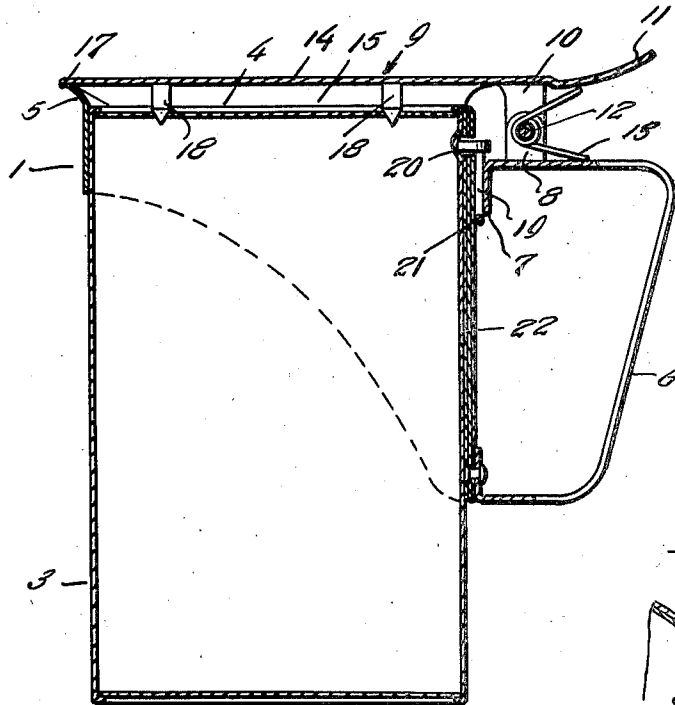


Fig. 6.

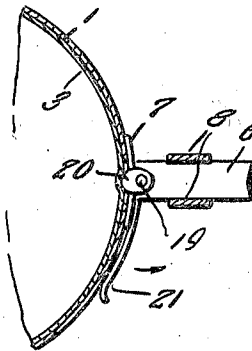
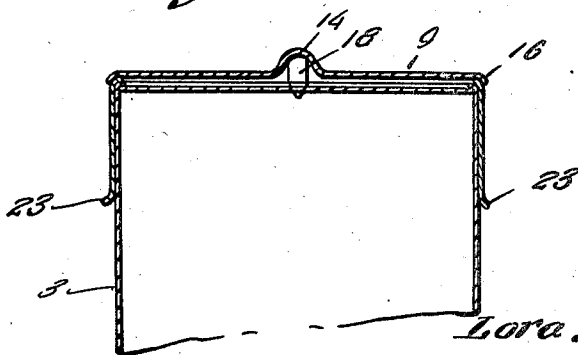


Fig. 5.



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CAN PERFORATING AND POURING ATTACHMENT

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The present invention relates to a can perforating and pouring attachment and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character embodying a novel construction and arrangement of parts, for facilitating the removal of the liquid contents of sealed cans as desired.

Another important object of the invention is to provide a can perforating and pouring attachment of the character described embodying novel means for closing a can which has been perforated thereby protecting the contents of the can which may be remaining therein.

Another important object of the invention is to provide a can perforating and pouring attachment of the character set forth embodying novel means for detachably securing the attachment in position on a can in a manner to permit said can to be conveniently handled in the manner of a pitcher.

Other objects of the invention are to provide a can perforating and pouring attachment which will be simple in construction, strong, durable, efficient and reliable in use, attractive in appearance and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention may become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a view in side elevation showing an attachment in accordance with this invention mounted in position on a can.

Figure 2 is a view in vertical longitudinal section through the device, and through the can.

Figure 3 is a view in top plan of the device.

Figure 4 is a view in bottom plan of the pivoted closure.

Figure 5 is a view in vertical section taken substantially at right angles to Figure 2 of the drawings and showing the upper portion only of the can.

Figure 6 is a view in horizontal section

showing the means for locking the device to the can.

Figure 7 is a detail view in perspective view of the locking device.

Referring to the drawings in detail, it will be seen that the reference numeral 1 designates a cylindrical casing having the elongated rear portion 2. The casing 1 fits over the can which is designated by the reference numeral 3, said casing being provided with an intumed flange 4 which seats on the upper end of the can 3. The casing 1 is also provided on its upper end and at its forward side with a pouring lip 5.

A handle 6 is rigidly mounted on the elongated portion 2 of the casing 1, said handle being vertically disposed and having its upper end secured to the casing 1 through the medium of a downturned head 7 having its intermediate portion bent in a manner to provide a vertical groove, the purpose of which will be presently set forth.

Upright ears 8 are formed integrally with opposite sides of an upper portion of the handle 6 to which a lid or closure 9 is pivotally connected through the medium of the ears 10 which depend from opposite sides of the operating handle 11 of the lid or closure and the pivot pin 12. The pivot pin 12, of course, extends through the overlapping end portions of the ears 8 and 10, as will be readily understood. It may be well to here state that the lid operating handle 11 terminates in an upwardly curved disk for engagement by the thumb of a person using the device for swinging the lid upwardly to open position. A spring 13 encircles the pivot pin 12 between the ears and has one end engaged with the handle 6 and its other end engaged beneath the handle 11 in a manner to yieldingly urge said handle 11 upwardly for closing the lid 9.

The lid 9 is bent in a manner to provide a reinforcing rib 14 which, in turn, provides a channel 15 in the inner or lower side of the lid. The lid 9 is further provided with a depending marginal flange 16 which overhangs the casing 1 when the lid is in closed position. The lid 9 is still further provided with an extension 17 for disposition over

the pouring lip 5 of the casing 1 when the lid is in closing position. The extension 17 and the operating handle 11 of the lid constitutes continuations of the reinforcing rib 14, as illustrated to advantage in Figures 1 and 3 of the drawings. Spaced perforating prongs 18 are rigidly mounted in the channel 15 of the lid 9 and depend therefrom for engagement with the top of the can 3 in the manner illustrated to advantage in Figures 2 and 5 of the drawings.

A rod 19 is disposed vertically for rotation in the groove provided therefor in the head 7 of the handle 6 and said rod has fixed on its upper end portion a locking cam or keeper 20 which is operable through an opening provided therefor in the adjacent portion of the casing 1 for engagement with the can 3 in a manner to rigidly secure the casing on the cam. An arcuate actuating handle 21 is formed integrally with the lower end of the rod 19 and extends substantially at right angles thereto.

The casing 1 is formed from a piece of flat metal which is rolled to cylindrical form and secured together by a seam 22, as best seen in Figure 2 of the drawings. The handle 6 is disposed over the seam 22. The side portions of the lower edge of the casing 1 are curved outwardly, as at 23, (see Figure 5) to facilitate mounting the casing over the can 3.

In use, the casing 1 is mounted in position on the can 3 and the locking handle 21 is then swung inwardly toward the casing 1. This movement of the handle 21 engages the cam 20 with the can 3 through the opening provided for this purpose in the casing 1 and in this manner the casing is rigidly secured on the can. Then, pressure is exerted on the lid 9 in a manner to force the prongs 18 through the top of the can. In this matter an opening for the escape of the contents of the can is provided and a vent opening is also provided. When it is desired to pour the contents from the can, the lid 9 is raised by depressing the handles 11 against the tension of the coil spring 13 thereby withdrawing the prongs 18 from the perforations in the top of the can and said can may then be conveniently lifted and tilted by the handle 6 to pour the contents of the can over the lip 5 of the casing 1. When pressure on the handle 11 is removed the spring 13 returns the lid 9 to closed position and the prongs 18 reenter and close the perforations in the top of the can. The rib 14 provides means for stiffening the lid 9 to withstand the pressure exerted thereon when forcing the prongs 18 through the top of the can. When it is desired to remove the device from the can, as when said can has been emptied, it is only necessary to swing the handle 21 outwardly in a manner to disengage the cam 20 from the

can 3 after which the casing 1 is free to be removed.

It is believed that the many advantages of a can perforating and pouring attachment constructed in accordance with this invention will be readily understood, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the details of construction may be had which will fall within the scope of the invention as claimed.

Having thus described my invention, what I claim as new is:

1. A can attachment comprising a casing for disposition on the upper portion of the can, a lid hinged mounted for swinging movement on the upper end of the casing, spaced prongs rigidly secured to the lid and extending therefrom for operative engagement with the upper end of the can, and a manually operable cam rotatably mounted on the casing for frictionally engaging the can for securing said casing thereon.

2. A can attachment comprising an open ended casing for disposition on the upper portion of the can, a lid pivotally mounted for swinging movement on the casing and engageable with the upper end of said casing for closing same, an upstanding rib extending diametrically across the lid, said rib providing stiffening means for the lid and further providing a channel in the inner side of the lid, and a pair of spaced can perforating prongs rigidly mounted on the lid in the channel and depending therefrom for operative engagement with the top of the can.

3. A can attachment comprising a substantially cylindrical casing for disposition on the upper portion of the can, a handle rigidly mounted on one side of the casing, a lid pivotally mounted for swinging movement on the handle and engageable with the upper end of the casing for closing said upper end, resilient means yieldingly urging the lid toward its closed position, and means for releasably securing the casing to the can, the lid being provided with a diametrically extending, upstanding reinforcing rib, said rib providing a diametrically extending channel in the inner side of the lid, and a pair of spaced cam perforating prongs rigidly secured to the lid in the channel and depending therefrom for operative engagement with the top of the can when the lid is in closed position.

4. A can attachment comprising a casing for disposition on the upper portion of the can, said casing being provided with an opening and being further provided with an open upper end, a lid hinged mounted for swinging movement on the casing and engageable with the upper end of the casing for closing said upper end, resilient means operatively engaged with the lid for yieldingly urging said lid towards its closed position, can perforating prongs rigidly mounted on the lid in the channel and depending therefrom for operative engagement with the top of the can when the lid is in closed position.

rating means on the lid, and means for releasably securing the casing in position on the can, said means comprising a rod mounted for rotation on the casing and disposed in parallelism with said casing, a cam fixed on the rod and operable through the opening in the casing for engagement with the cam in a manner to secure the casing thereto, and an actuating handle on the rod and disposed at an angle with respect thereto.

5. A can attachment comprising a casing for disposition on the can, said casing having an opening in one side thereof, a handle rigidly mounted on the casing and having one end thereof secured to the casing adjacent the opening, an integral attaching head on said one end of the handle having an intermediate portion bent in a manner to provide a groove, a rod disposed for rotation in the groove, a cam fixed on one end portion of the rod for rotation therewith and operable through the opening in the casing for engagement with the cam, and an actuating handle on the other end of the rod.

6. A can attachment comprising a substantially cylindrical, open end casing for disposition on the upper portion of the can, an intumed flange on the upper end of the casing for engagement with the upper end of the can, a handle rigidly mounted on one side of the casing, a lid pivotally mounted for swinging movement on the handle and engageable with the upper end of the casing for closing said casing, a spring operatively engaged with the lid for yieldingly urging said lid toward its closed position, means on the lid for swinging said lid to open position against the tension of the spring, a pouring spout extending from the upper end of the casing, a diametrically extending, upstanding rib on the lid providing a channel on the inner side of the lid, an extension on one end of the upstanding rib for disposition over the pouring lip of the casing when the lid is in closed position, and perforating prongs rigidly secured to the lid in the channel and depending therefrom for operative engagement with the top of the can.

In testimony whereof I affix my signature.
LORA B. JACKSON.