Feb. 4, 1930. W. H. ELSEY 1,746,149

SIRUP BUCKET LID

Filed Aug. 26, 1927

Fig. 1.

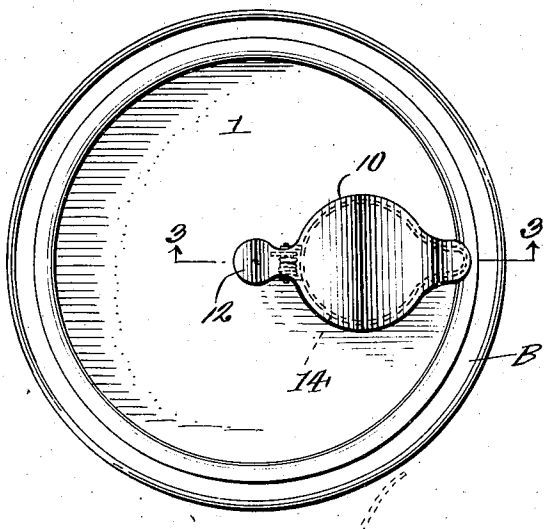


Fig. 2.

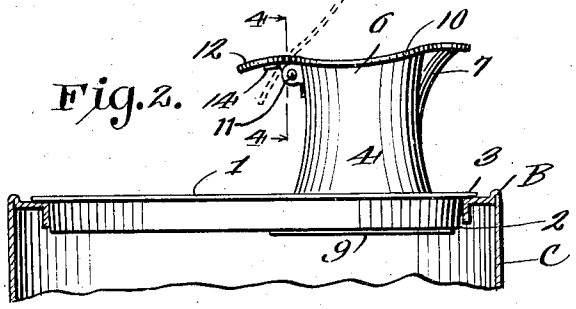


Fig. 4.

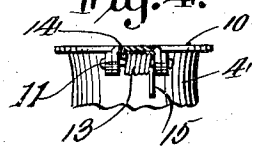
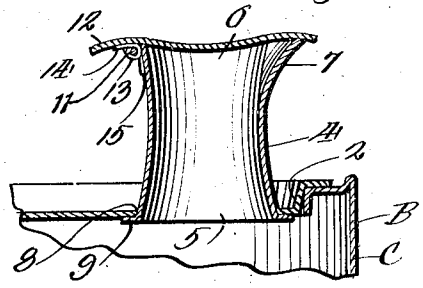


Fig. 3.



WITNESSES

Guy M. Spring

Wm. R. Smith

Inventor

W. H. ELSEY

By Richard B. Owen Attorney

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UNITED STATES PATENT OFFICE

WALTER H. ELSEY, OF MARBLE, ARKANSAS

SIRUP-BUCKET LID

Application filed August 26, 1927. Serial No. 215,729.

This invention relates to a lid structure and more particularly to a lid structure for sirup buckets and has for its primary object the construction of a device that may be quickly and effectively attached to a sirup bucket to regulate and control the flow of sirup from the bucket.

An object of the invention is the novel manner of constructing and arranging the component parts of the device so that the same may be effectively secured to a suitable receptacle and capable of being operated at the will of the operator for directing and controlling the flow of the liquid from the receptacle.

Another object of the invention is the novel manner of shaping and connecting the spout to the lid proper so as to not only materially reduce the cost of manufacture, but to more efficiently direct the flow of the material passing through the spout.

Besides the above, my invention is distinguished in the construction of a device that may be used over and over again for controlling and directing the flow of a fluid while at the same time keeping the latter in a sanitary condition at all times.

With these and other objects in view, the invention will be better understood from the following detailed description taken in connection with the accompanying drawings, wherein;

Figure 1 is a top plan view, of the lid structure shown in applied position,

Figure 2 is a vertical sectional view of a bucket to which the device is attached,

Figure 3 is a vertical sectional view of the lid structure in applied position, and

Figure 4 is a detailed view of the hinge connection.

Again referring to the drawings illustrating one of the many constructions of my invention, the numeral 1 designates the lid proper of dish formation with the annular inclined wall 2 so disposed as to have frictional engagement with the top portion B of the sirup bucket C. This lid is further provided with an annular flange 3 abutting with the top of the bucket when the wall 2 has been frictionally forced into place. At this time, I wish to call attention to the fact that although the lid structure is especially designed for closing the top of sirup buckets, the device may be used for various other purposes where a fluid is to be conveyed from a receptacle to a point exterior of the receptacle.

For the purpose of accurately controlling the flow of sirup from the bucket and to keep the contents of the bucket in a sanitary condition at all times, I have provided a special design of delivery means shown in this particular instance as a spout 4 having its lower end portion 5 and its upper end portion 6 flared so as to facilitate the travel of the fluid into and out of the spout, and for the purpose of accurately directing the discharge of the fluid the spout is provided with a lip 7. The lower flared end 5 is passed through an opening 8 in the lid and then flanged as indicated at 9 so that the spout may be effectively secured to the lid and thus the spout and lid are connected together as a unit so as to be readily forced into engagement with one or more buckets, thereby enabling my improved lid structure to be used over and over again.

A closure 10 is provided of the proper area to completely cover the spout and also the lip 7 and this closure is secured to the spout by hinge connection 11 and is manipulated by a finger piece 12 formed as a continuation of the body portion of the closure. A coil spring 13 is secured to the connection 11 and has its ends 14 and 15 abutting respectively the spout and the finger piece 12 so that the resiliency thereof may be utilized to hold the closure closed under normal conditions.

In the use of this structure it is only necessary to force the lid into the top portion of the bucket for closing the bucket and supporting the spout in proper position. When it is necesssary to remove the contents of the bucket it is only necessary to slightly tilt the bucket and exert pressure upon the finger piece 12 for moving the closure to open position. Under these conditions the sirup will readily flow into the spout and make its exit along the lip 7 to one side of the bucket. Releasing the finger piece 12 of pressure will enable the spring to exert itself for forcing the closure to closed position, thereby protecting the contents of the bucket against con-

tamination by the outside atmosphere or foreign matter.

It is, of course, to be understood that the lid proper may be constructed in various other manners than illustrated and connected to the bucket or other receptacle in various ways, and besides the spout may be designed in various other manners and secured to the lid in various other ways, and therefore, I do not desire to be limited in protection in any manner whatsoever except as set forth in the following claim.

What I claim is:

As a new article of manufacture, a closure for a sirup can comprising a lid having a circumferential smooth portion adapted to frictionally fit the opening in a standard sirup can, a spout having its upper and lower ends flared to facilitate the gripping thereof between the thumb and first finger for the purpose of removing the lid from a can and provided at its upper end with a pouring lip and having its lower end extending through the lid, a flange extending outwardly from the lower end of the spout and secured to the lower side of the lid, and a cover for the upper end of the spout.

In testimony whereof I affix my signature.

WALTER H. ELSEY.