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A. BERG

2,373,373

DISPENSING TAP

Filed June 23, 1941

Fig. 1

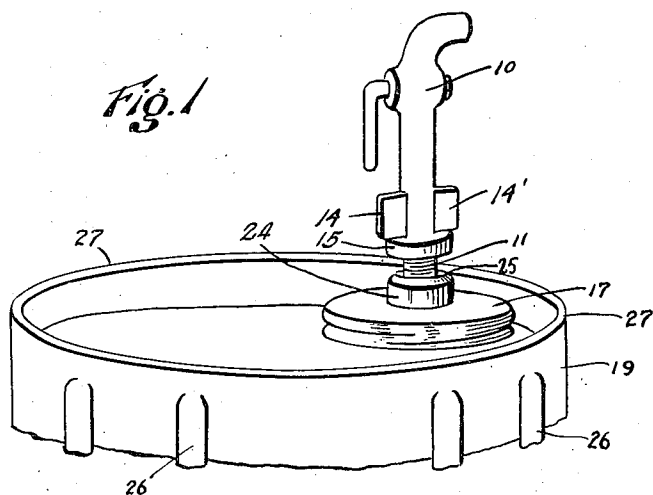


Fig. 3

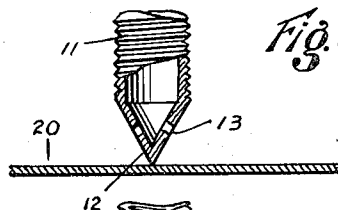


Fig. 4

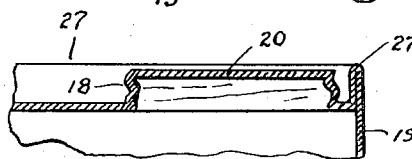


Fig. 2

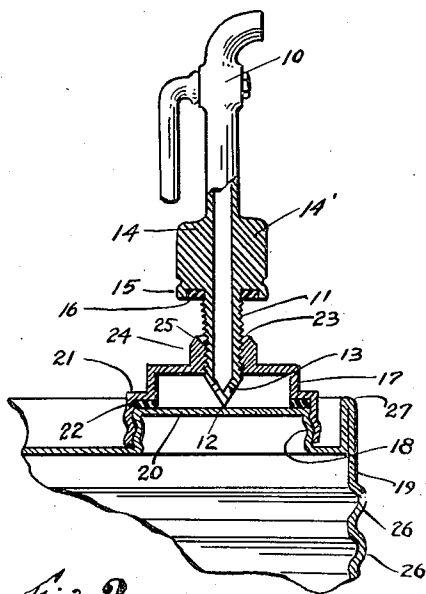


Fig. 5

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2,373,373

DISPENSING TAP

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1 Claim. (Cl. 222-83)

My invention relates to sealing and dispensing taps and more particularly to an arrangement that will permit the tapping and dispensing of beer or the like, sealed in tin cans.

The object of my invention is to provide a means of sealing beer or other beverages in tin cans arranged in a manner to permit access to the contents of the can without causing a waste of the contents.

Another object of my invention is to so construct the container as to allow for expansion and contraction due to a pressure variation caused by a change in atmospheric temperature.

A still further object of my invention is to provide a sealing means that will not protrude above the surface of the container, yet permit sealed engagement with the dispensing means prior to the piercing of the seal in the container.

Still another object of my invention is to so construct the dispensing means as to permit its use on any number of containers by removing it from the container after its contents have been drained.

Other and further objects of my invention will become more apparent as the description proceeds when taken in conjunction with the drawing in which

Figure 1 is a fragmentary perspective view of the dispensing tap attached to the seal of a container arranged for that purpose,

Figure 2 is a fragmentary cross-sectional view of the device attached to a container and ready for piercing,

Figure 3 is a fragmentary cross-sectional view of the piercing tap ready for penetrating the sealed can,

Figure 4 is a fragmentary cross-sectional view of the piercing tap penetrated through the sealed can, and

Figure 5 is a cross-sectional view of a portion of the can showing the sealing means and its relation to the upper bead of the can.

Similar characters of reference indicate corresponding parts throughout the several views, and referring now to the same, the character 10 shows a spigot or faucet having a threaded portion 11 acting as a hollow shank for the faucet 10. The threaded shank 11 is shown as having a conical piercing point 12 provided with apertures 13. Above the threaded portion of the shank 11 is shown projecting thumb members 14 and 14' and a flange member 15 provided with a recess in which is embedded the washer 16 as shown.

A sealing cap 17 threaded as shown is arranged to engage the projecting portion 18 of a can 19.

This projecting portion 18 of the can 19 is provided with a seal 20. The cap 17 is provided with a shoulder 21 around its periphery and this shoulder is adapted to receive a washer 22 to engage the rim of the projecting portion 18 of the can 19. The cap 17 is further provided with a threaded aperture 23 provided with an upwardly projecting flange 24 shown brought to a sharp edge 25 to engage the washer 16 in the flange 15, when the shank 11 is revolved by means of manual pressure exerted on the thumb members 14 and 14'.

In this manner as the shank 11 is revolved by means of the members 14 and 14' the point 12 is brought in contact with the seal 20 and as it pierces the seal 20 the edge 25 contacts the washer 16 and the liquid contents of the can 19 is permitted to reach the faucet 10 through the apertures 13. The washer 22 will cause the device to be sealed while the piercing operation takes place and will prevent any loss of the contents during the tapping of the can.

Inasmuch as a device of the character described would probably be employed for dispensing beer or carbonated beverages the can 19 acting as a container for such beverages would have to be designed to take care of expansion and contraction caused by atmospheric changes and the beads 26 in the wall of the can whether they be vertical or horizontal are quite imperative.

Also to enable the can 19 provided with a projecting portion 18 to attach the tapping device to, to be stacked one on top of the other without interference, the upper bead 27 of the can 19 will have to be raised to a height greater than the height of the projecting portion 18 as shown in Figure 5.

It is manifest to anyone familiar with the art that non-returnable tin cans are more economical for the transportation and marketing of beer or the like than glass bottles and wood or metal kegs. It is also quite obvious that a gallon can for example can be produced and filled much more economically than the capacity equivalent in small cans.

The can and tapping device as described provide a means of satisfactorily taking advantage of the economical features outlined, the can may be discarded and the tapping device used over and over.

Although I have shown and described a particular construction of my device, it is to be understood that I can make such changes as I may deem necessary without departing from the spirit of my invention as set forth in the appended claim.

What I claim and desire to secure by Letters Patent of the United States is:

A device of the character described for use with a container having a sealed projecting portion, extending outward from said container, said projecting portion being threaded on its outer periphery, a faucet, said faucet provided with a threaded hollow shank, said shank provided with a conical piercing point at its end, a sealing means, said sealing means having an internal

thread for engagement with the outer thread of said sealed projecting portion of said container, said means being further provided with a tubular member, threaded at its inside, to receive the threaded hollow shank of said faucet, the piercing point of said shank being caused to pierce the sealed portion of said projecting portion of said container, as the faucet is being threadedly engaged into the sealing means.

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