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ATTACHMENT FOR DISPENSING DEVICES

Filed April 3, 1928

Fig. 1.

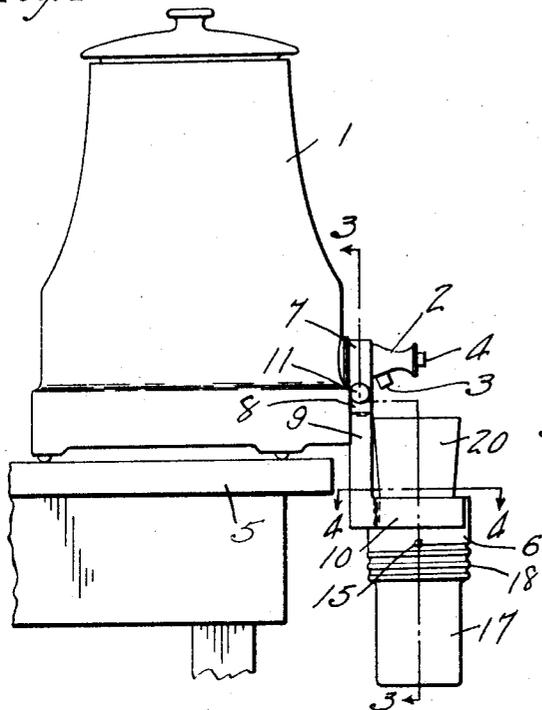


Fig. 2.

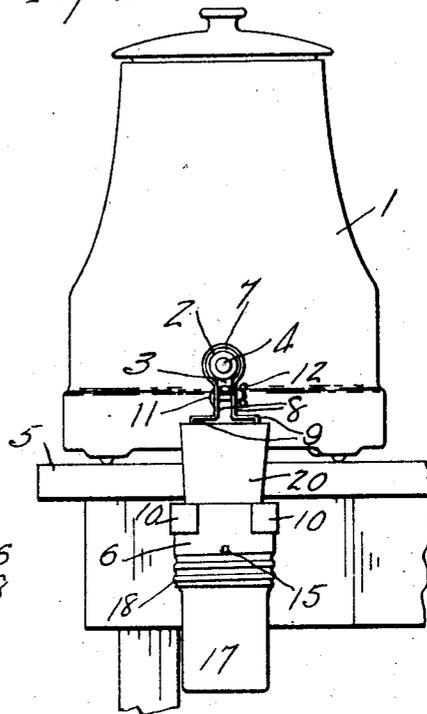


Fig. 3.

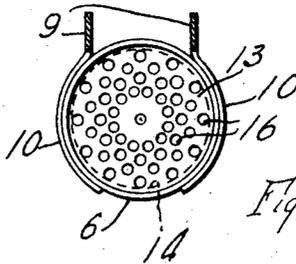
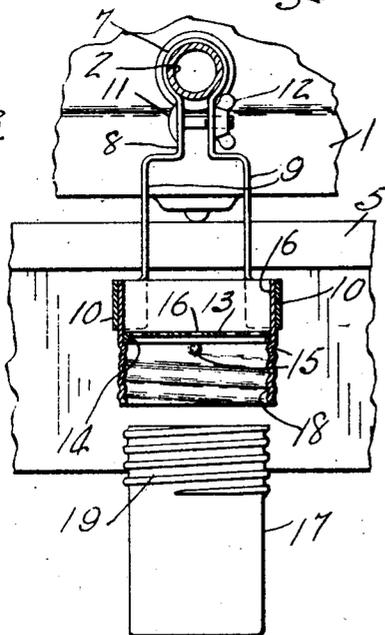


Fig. 4.

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ATTACHMENT FOR DISPENSING DEVICES.

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This invention relates to drip attachments for dispensing devices of the type having a projecting dispensing faucet. With such devices, it is not always convenient to have a drain positioned to receive any drop from the faucet or overflow from a receptacle being filled from the faucet, and undesirable to have such drip or overflow fall on a table or floor.

An object of this invention is to provide an improved attachment for dispensing devices of this type, which may be attached to various types of faucets; which will serve as a rest for supporting a cup or receptacle while being filled from the faucet; with which any overflow from the cup or receptacle or drip from the faucet will be collected and retained; with which danger of liquid overflow from the attachment is reduced to a minimum; which may be made, to a large extent, from sheet metal and glass; and which will be relatively simple, attractive in appearance, compact, durable, convenient and inexpensive.

Various other objects and advantages will be apparent from the following description of an embodiment of the invention, and the novel features will be particularly pointed out hereinafter in connection with the appended claims.

In the accompanying drawing:—

Fig. 1 is a side elevation of a dispensing device to which has been connected a drip attachment constructed in accordance with this invention;

Fig. 2 is a front elevation of the same;

Fig. 3 is a sectional elevation of the same, with the section taken approximately along the line 3—3 of Fig. 1; and

Fig. 4 is a sectional plan through the attachment, the section being taken approximately along the line 4—4 of Fig. 1.

In the illustrated embodiment of the invention, the dispensing device 1 may be of any suitable construction, but for example may comprise a pottery or other jar having a lining of radioactive material for imparting radioactivity to the liquid contents of the jar, such as to drinking water.

The jar 1 may be provided with a projecting faucet 2 by which the contents of the jar may be withdrawn or dispensed, such a faucet having a discharge tube or orifice 3 and having a suitable piston plunger 4 controlling the discharge of the liquid. The details of the faucet, however, are per se not

a part of this invention, since the invention may be applied to faucets of various constructions. The jar may be supported upon any suitable standard, shelf or table 5 and in such cases the faucet 2 projects slightly beyond the edge of the table or other support as shown in Fig. 1.

A cylindrical ring 6 is disposed directly beneath and spaced from the discharge orifice 3. A sheet metal strap or strip 7 is bent intermediate of its ends into a shape to fit around the shank of the faucet 2, the free arms extending first parallel and in proximity to one another as at 8, the arms being then offset laterally away from one another as at 9, and then extending parallel to one another and downwardly. The extreme, free, lower ends of the offset portions 9 of the arms are flanged or bent laterally to provide arcuate arms 10 which extend along and are secured to opposite sides of the ring 6 to support the same. The arms 10 may be secured to the ring 6 in any suitable manner such as by soldering, welding or by screws or bolts.

A bolt 11 may extend between the arm portions 8, so that when the bolt is tightened, it will draw the arms together adjacent the faucet and clamp the same firmly to the faucet. One of the arms of the strap, at the point where the shank of the bolt 11 passes therethrough, may have a non-circular aperture punched therein through which a non-circular portion of the shank of a bolt may extend and in which it may fit, so that the bolt will be held against turning. Thus the bolt may be tightened or loosened merely by tightening the wing nut 12, since the bolt will be held against turning. Such a bolt may be similar to the well known carriage bolt having a square shank immediately adjacent the head.

The ring 6 may be formed of sheet metal and is preferably cylindrical in shape and open at both ends. A sheet metal disc or plate 13 is secured across the interior of the ring 6 intermediate the ends of the latter, and may have a depending flange 14 fitting and attached to the walls of the ring 6. The plate 13 may be secured against displacement along the ring in any suitable manner, such as by screws or bolts, or by soldering or welding. Preferably, however, the ring 6 may have one or more indentations 15 punched inwardly slightly therefrom upon which the flange 14 will rest and downward movement of the partition plate 13 prevented.

The plate 13 is provided with one or more apertures 16 to permit the passage there-through of any liquid falling into the upper part of the ring 6

5 The jar 17 is detachably secured in any suitable manner to the lower end of the ring 6, so as to receive any liquid falling into the ring 6. Preferably the lower end portion of the ring 6 is provided with screw threads 18 spun therein, and the jar 17 is provided with external threads 19 at its open end which may be threaded into the threads 18 of the ring 6. In order that the amount of liquid in the jar 17 at any time may be readily observed, the jar 17 is preferably made of transparent material, such as glass.

Such a jar may be similar to the usual glass mayonnaise jar having external threads at its upper end, and the threads 19 of the jar may be molded on the jar when the jar is manufactured.

When a drinking cup or receptacle 20 is disposed upon the plate 13 in the ring 6, as shown in Figs. 1 and 2, it will be disposed immediately below the discharge orifice 3 of the faucet so as to receive a liquid as discharged from the faucet. Any overflow from the cup 20 will be received in the ring 6, and will pass through the apertures 16 in the plate 13 and descend into the jar 17. Persons using the dispensing device can readily observe the amount of liquid in the drip jar 17 at any time, and when the jar is filled or nearly filled, it may be quickly unscrewed or detached from the ring 6, carried to a point where its contents may be disposed of, and then the empty jar 17 returned and reattached to the lower end of the ring 6.

When no cup 20 is disposed below the faucet, any drip from the discharge orifice will fall into the ring 6 and will pass into the jar 17, and therefore there will be no danger of drip from the dispensing device falling upon the floor of the room. This is important where the dispensing device is utilized in offices or in household rooms where any drip upon the floors or table would be very undesirable, and where no permanent drain for such a dispensing device is convenient.

The cup 20 may be received, to some extent, between the offset portions 9, so that the cup may be well positioned beneath the discharge orifice 3 when the device is attached to relatively short faucets 2.

55 It will be obvious that various changes in the details, which have been herein described and illustrated in order to explain the nature of the invention, may be made by those skilled in the art within the principle and scope of the invention as expressed in the appended claims.

I claim as my invention:

65 1. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a support attach-

able to said faucet and depending therefrom, a cup rest carried by the depending portion of said support beneath the discharge orifice of said faucet, said rest having a drain, and a waste receiving receptacle detachably connected to said rest and receiving any discharge from said drain. 70

2. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a support attach- 75 able to said faucet and depending therefrom, a cup rest carried by the depending portion of said support beneath the discharge orifice of said faucet, said rest having a drain, and a waste receiving receptacle of transparent 80 material detachably connected to said rest and receiving any discharge from said drain.

3. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a support attach- 85 able to said faucet and depending therefrom, a ring carried by the depending portion of said support beneath the discharge orifice of said faucet and with its axis upright, said ring having an apertured partition between its 90 upper and lower ends, the upper end of the ring and said partition being positioned below the discharge orifice of said faucet to support a cup in position to receive the discharge from said faucet, and a receptacle detachably connected to the lower end of said ring for receiving overflow from said cup and drip from said faucet. 95

4. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a support attach- 100 able to said faucet and depending therefrom, a ring carried by the depending portion of said support beneath the discharge orifice of said faucet and with its axis upright, said ring 105 having an apertured partition between its upper and lower ends, the upper end of the ring and said partition being positioned below the discharge orifice of said faucet to support a cup in position to receive the discharge from said faucet, and a receptacle of transparent material threaded to the lower end of said ring for receiving overflow from said cup and drip from said faucet. 110

5. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a support attach- 115 able to said faucet and depending therefrom, a sheet metal ring carried by the depending portion of said support beneath the discharge orifice of said faucet, and having its axis upright, the lower end of said ring having threads spun therein, a receptacle threaded to said lower end of the ring, and an apertured partition in said ring forming a cup support. 125

6. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a strap element of sheet metal fitted at one end over said faucet 130

and depending therefrom, means for clamping said strap element to said faucet, a cup rest provided upon the depending portion of said element and beneath the discharge orifice of said faucet, said rest having a drain opening, and a waste receiving receptacle detachably connected to said rest to receive any discharge from said drain opening.

7. A drip attachment for dispensing devices of the type having a projecting dispensing faucet, comprising a sheet metal ring disposed with its axis upright beneath the discharge orifice of said faucet, a strap of sheet metal secured at its ends to said ring and extending vertically over said faucet, a clamping element passing between opposite stretches of said strap to clamp the same to said faucet, said ring having an apertured partition serving as a cup rest, and also having threads spun into its lower end, and a receptacle threaded to the threaded lower end of said ring.

8. An attachment for a dispensing device of the type having a projecting dispensing faucet, comprising a strap of flexible sheet material bent over the faucet and depending therefrom, a clamping element extending be-

tween the arms of the strap for drawing them together and clamping the strap to the faucet, and a cup rest attached to the depending ends of said strap arms and disposed beneath the discharge orifice of said faucet.

9. A drip attachment for dispensing devices of the type having a dispensing faucet, comprising a cup rest, means connecting said rest to said device for supporting said rest beneath said faucet with a cup on said rest in position to receive a liquid dispensed by said faucet, and a waste receiving receptacle detachably connected to said rest and receiving any discharge from said rest.

10. A drip attachment for dispensing devices of the type having a dispensing faucet, a sheet metal ring disposed beneath said faucet with its axis upright, said ring having cup supporting means across the interior thereof for supporting a cup in a position to receive discharge from said faucet, means for attaching said ring to said device, and a receptacle for waste material detachably connected to said ring for receiving any discharge from said faucet or overflow from said cup.

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