March 6, 1951 R. BERNHARDT 2,544,062

DISPENSING CLOSURE TOP FOR SERVERS OR PITCHERS

Filed July 6, 1949

Fig. 1.

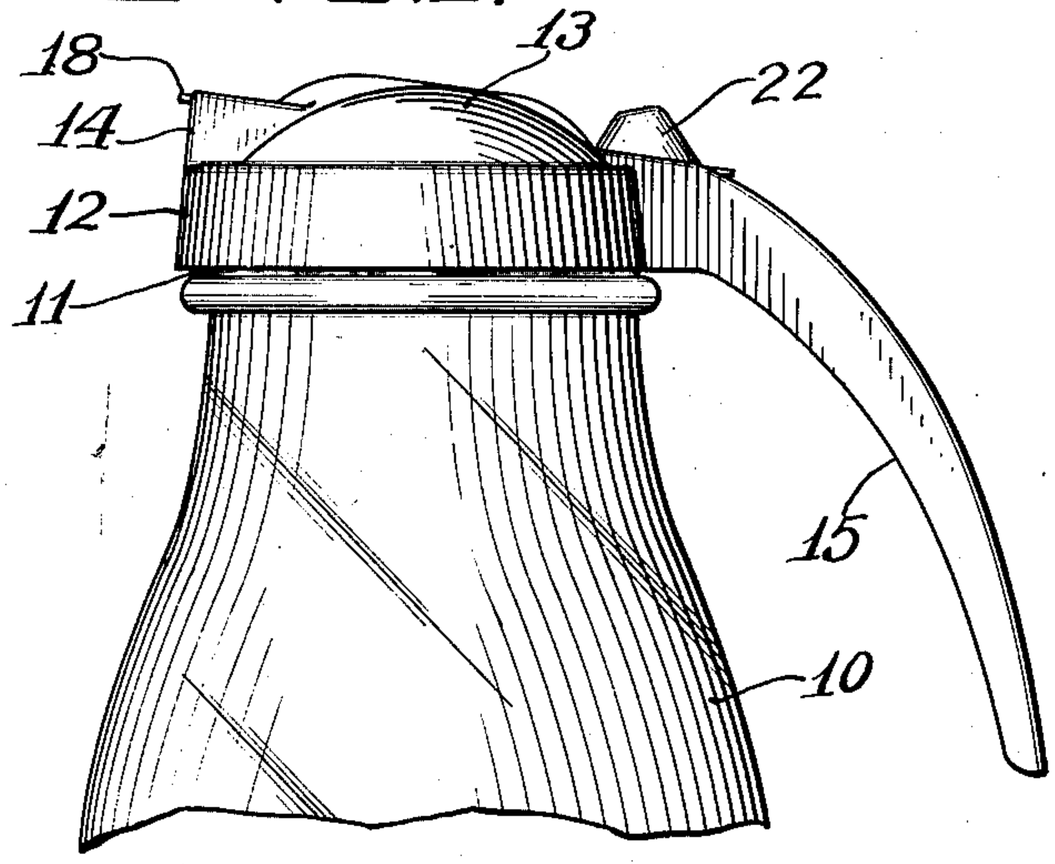


Fig. 2.

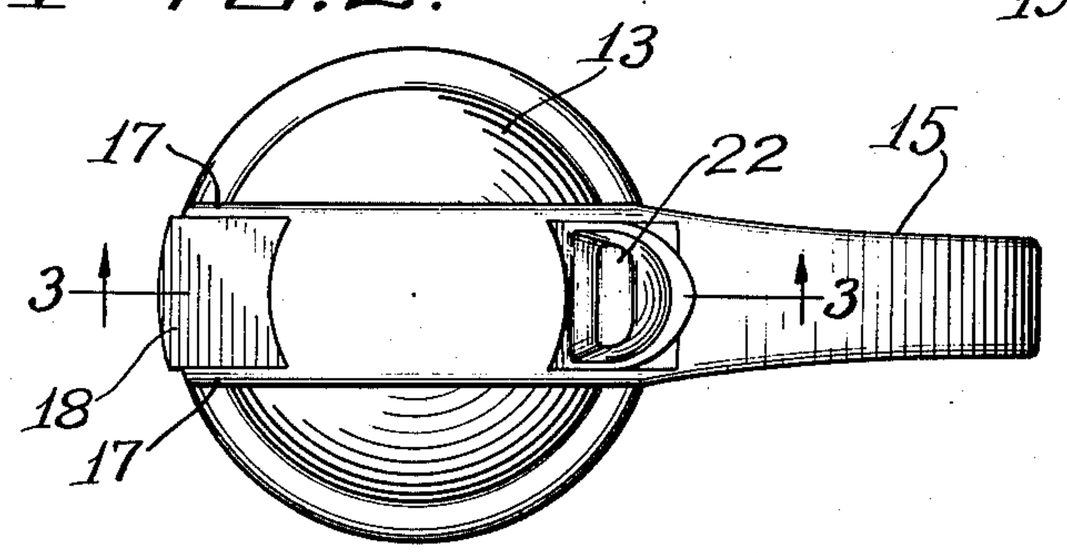


Fig. 3

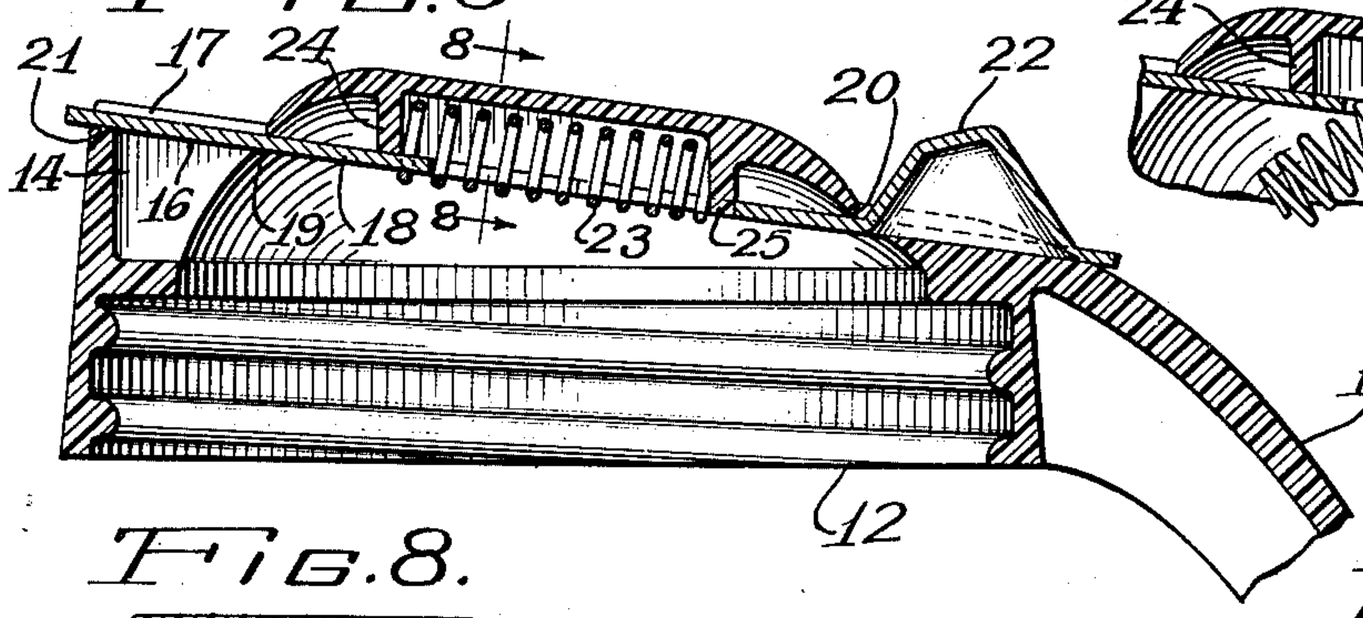


Fig. 8.

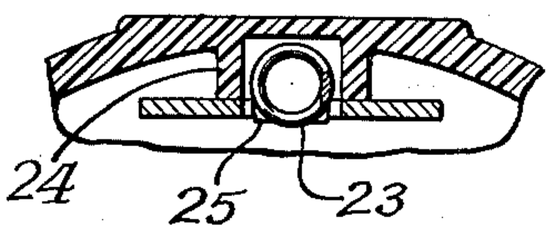


Fig. 4.

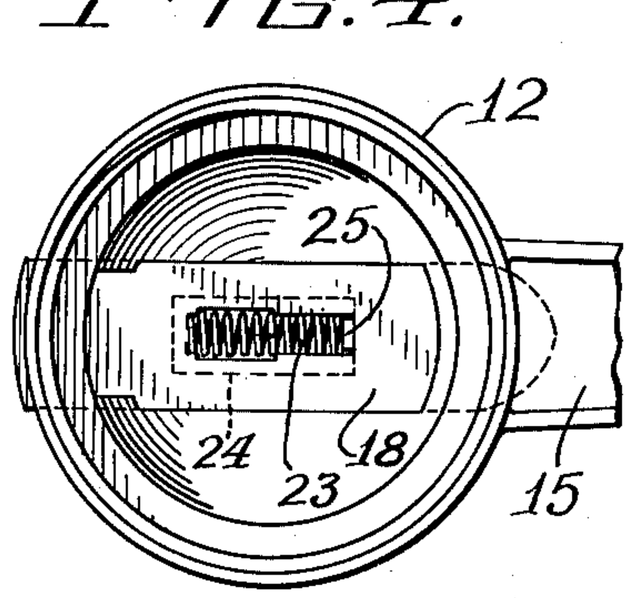


Fig. 5.

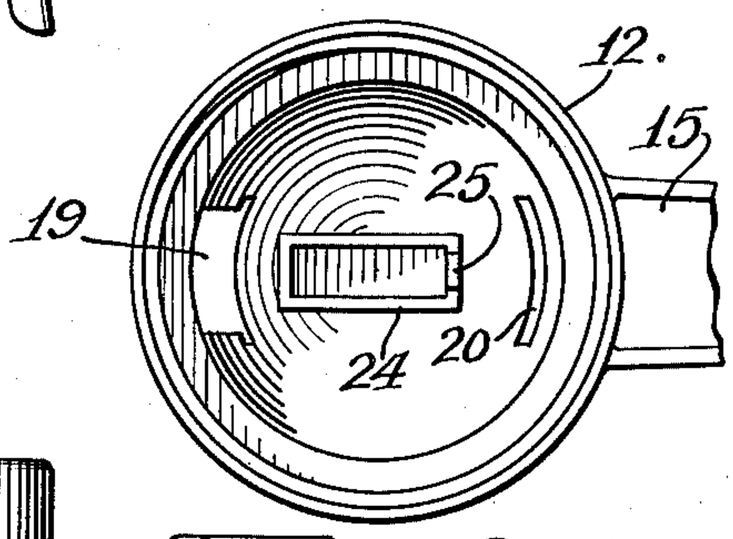


Fig. 6.

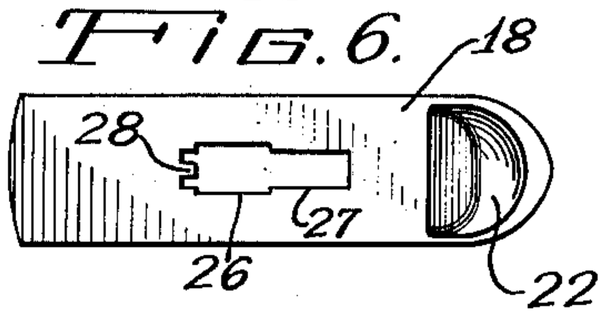
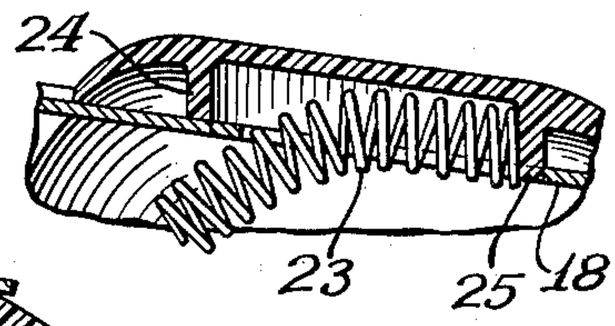


Fig. 7.



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DISPENSING CLOSURE TOP FOR SERVERS OR PITCHERS

Rudolph Bernhardt, Chicago, Ill.

Application July 6, 1949, Serial No. 103,310

4 Claims. (Cl. 222—470)

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Servers or pitchers of the character to which the present invention relates are used for various purposes as for dispensing liquids, such as honey, syrup, or the like, as well as granular material, and are in general well known commercial use.

My invention has to do with simplifying the pouring tops of such devices whereby they may be manufactured at less cost and at the same time will be more efficient and satisfactory in use.

Other objects and advantages will appear more fully from the following description taken in connection with the accompanying drawing in which,

Fig. 1 is a side view of my improved server;

Fig. 2 is a top plan view;

Fig. 3 is an enlarged sectional view taken substantially on the line 3—3 of Fig. 2;

Fig. 4 is a bottom view of the dispenser top;

Fig. 5 is a similar view with the closure member or blade and actuating spring removed;

Fig. 6 is a detail of the closure member or blade;

Fig. 7 is a sectional detail illustrating the method of inserting and removing the spring; and

Fig. 8 is a sectional view taken substantially on the line 8—8 of Fig. 3.

The pitcher or container 10 has a threaded neck 11 for receiving the correspondingly threaded cap or top 12. The cap has an upwardly extending dome 13 and is provided on one side with a pouring spout 14 and on the opposite side with a handle 15, these parts being preferably formed integrally of molded material such as any suitable plastic or metal. The cap has a transverse guideway 16 which extends from the pouring spout to the handle as best shown in Fig. 3. The sides of the guideway are provided with flanges or ridges 17 for guiding the blade or closure member 18 which also passes through an opening 19 in the dome adjacent to the pouring spout and another slot or opening 20 at the rear portion of the dome.

The blade or slide 18 fits closely against the forward edge 21 of the pouring spout in order to make a keen cut-off of the material being dispensed. It is also provided with a thumb-piece 22 for manipulating the same. The construction and arrangement of the spring 23 for moving the blade to closing position forms one of the principal features of the present invention.

The lower side of the dome has a downwardly extending rectangular projection 24 which fits closely against the top of the blade and at one

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end, this projection has a rectangular lug or detent 25 which extends down through a peculiarly formed opening 26 in the blade. This opening has a reduced portion 27 extending from one end and has a tongue 28 projecting inwardly of the opposite end. The outer diameter of the spring 23 is less than the width of the slot or opening 26 but greater than the width of the extension 27. The lug 25 extends through the reduced portion or extension 27 and serves as an abutment to limit both the closing and opening movements of the blade.

When the parts are assembled, one end of the spring fits over the tongue 28, and the other end engages with the opposite end of the rectangular projection 24 as shown in Fig. 3. When in normal closing position, the edge of the blade at the rear end of the extension 27 engages with the lug 25 and limits the forward movement of the blade at which time the blade securely closes the outlet through the cap. When the blade is to be drawn backwardly to uncover the spout, the spring 23 will be compressed and when fully compressed will prevent further movement of the blade.

When it is desired to remove the spring, the end which engages with the tongue 28 is withdrawn and may be drawn out and through the opening 26 as shown in Fig. 7. When the parts are to be assembled, the reverse operations are performed.

From this description, it will be seen that I provide a top for servers of the character indicated which consists of only three pieces, all being of simple construction. Furthermore, the top may be disassembled in an easy and convenient manner for cleaning, or the like.

While I have shown a preferred form of my invention, changes may be made in the details of construction or arrangement of the parts as for different size receptacles or for dispensing different materials without departing from the main features of the invention.

What I claim is:

1. In a server, the combination of a receptacle having a threaded neck, a cap having corresponding threads engaging with the neck and having an upwardly extending dome, a pouring spout at one side of the cap, a handle on the other side of the cap, a guideway extending substantially from the pouring spout to the handle, a closure slide engaging with the guideway and having a thumb-piece thereon adjacent to the handle, said slide having an opening at the center thereof with a narrow extension at one end

and a tongue at the opposite end, a rectangular projection extending downwardly from the dome and engaging with the slide, a lug on the projection extending downwardly through the narrow extension in the slot, and serving as a stop to limit the forward movement of the slide, a spring of larger diameter than the width of the extension adapted to be inserted through the opening with one end engaging the rear end of the projection and the other end engaging with the tongue and tending to urge the slide to closing position.

2. A server top having a pouring spout at one side thereof and having a guideway extending across the top, a blade engaging with the guideway and adapted to close the spout, means for manually moving the blade to open position, a spring receiving chamber in the top, a longitudinal opening in the blade having an extension of less width than said opening, a tongue at the opposite end of the opening, a closure spring of greater diameter than the width of the extension adapted to be inserted through the opening into said chamber to engage one end of the chamber and with its opposite end engaging said tongue, and a lug extending downwardly from the top into said extension and coacting with the blade and the spring to limit the movement of the blade in closing and opening movements.

3. A combined closure and dispenser for a container, comprising a body portion engageable with the outlet of the container and having a pouring spout at one side thereof, a handle projecting from the opposite side of the body portion, a guideway in alignment with the spout, a blade slidably mounted in the guideway and extending over the spout when in closing position, means on

the blade for manually retracting the same said blade having a longitudinal slot therein terminating in an enlarged opening at one end thereof, a downwardly extending projection on the body portion engaging with the slot in the blade, a tongue at the end of the opening in the blade opposite from the slot, an abutment on the body portion, and a spring coacting with the abutment and the tongue for moving the blade to closed position.

4. A dispensing top for a container, comprising a cap having an outlet opening, a pouring spout on the cap, a guideway across the top of the cap, a closing blade having a longitudinal opening therein with a narrow extension at one end and a tongue at the opposite end, a chamber for a spring in the cap above the blade, a projection at one end of the chamber extending into the narrow extension, and a spring of larger diameter than the narrow extension at the end of said opening adapted to be inserted through the opening to cause one end to engage with the end of the chamber, the other end of the spring engaging with the tongue whereby the spring will tend to move the blade to closing position.

RUDOLPH BERNHARDT.

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