Nov. 21, 1950 M. DE L. SINGLETARY 2,530,406

SALT SHAKER

Filed Feb. 17, 1947

Fig. 3.

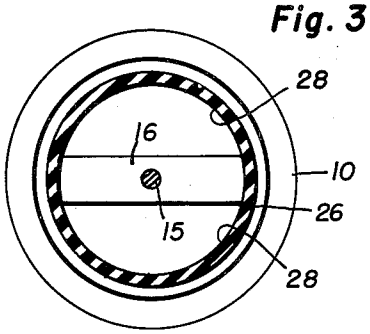


Fig. 4.

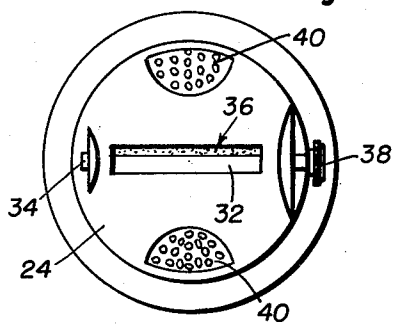


Fig. 2.

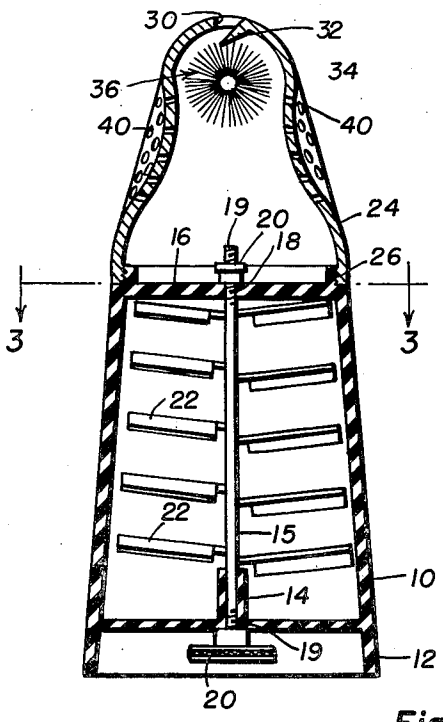


Fig. 1.

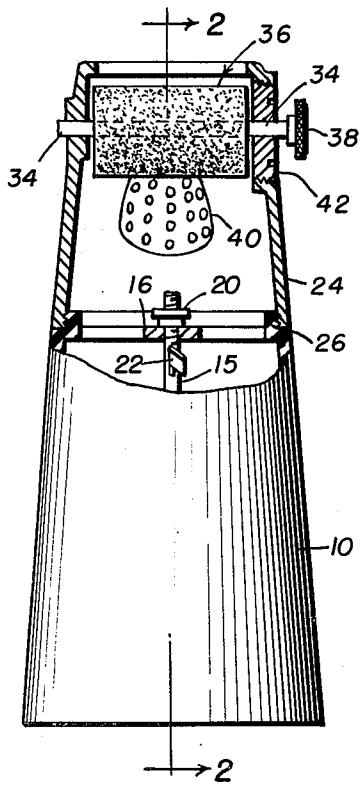


Fig. 6.

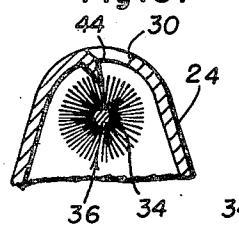
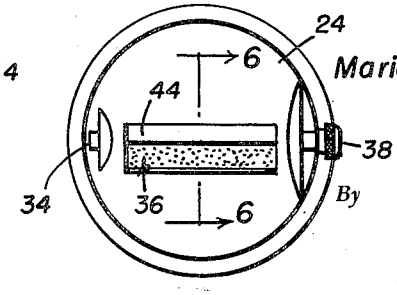


Fig. 5.



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SALT SHAKER

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Application February 17, 1947, Serial No. 729,169

2 Claims. (Cl. 222—331)

1

This invention appertains to new and useful improvements in condiment shakers. The prime object of this invention is to provide means for preventing the usual clogging or jamming of certain condiments in adverse climatic conditions.

Another object of this invention is to provide means for ejecting a condiment from the dispenser.

Another object of this invention is to provide means for agitating the condiment within the dispenser.

Another object of this invention is to provide an efficient, inexpensive and smoothly operating condiment dispenser which lends itself well to commercial manufacture.

Ancillary objects and features of novelty will become apparent to those skilled in the art, in following the description of the preferred embodiment of the instant invention illustrated in the accompanying drawings, wherein:

Figure 1 is an elevational side view of the first embodiment of the present invention with parts broken away in section to show details of construction;

Figure 2 is a longitudinal sectional view of the invention disclosed in Figure 1 and taken substantially on the line 2—2 thereof and in the direction of the arrows;

Figure 3 is a transverse sectional view of the disclosure shown in Figures 1 and 2 and taken substantially on the line 3—3 of Figure 2 and in the direction of the arrows;

Figure 4 is a plan view of the invention disclosed in Figures 1 and 2;

Figure 5 is a plan view of a second embodiment of the present invention, and

Figure 6 is a fragmentary sectional view of the invention disclosed in Figure 5 and taken substantially on the line 6—6 thereof and in the direction of the arrows.

Referring now in detail to the illustrated preferred embodiment of the present invention, like reference characters are used throughout to indicate similar elements.

This invention has been devised to combat the difficulties arising in dispensing a condiment which has certain inherent chemical characteristics. In damp and humid climates, certain condiments attract moisture from the air and retain the same, causing unsatisfactory operation in the dispensing thereof from conventional or well known condiment dispensers. The present invention has within its purview the provision of a device for ejecting the above described condiment smoothly and efficiently. Further, this invention provides an agitation means which is selectively operable for crushing or agitating the condiment prior to ejection.

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A suitable receptacle of any conventional material is provided with a leg member 12 and is adapted to receive a condiment therein. A sleeve member 14 is provided within said receptacle 10 and is adapted to receive a shaft 15 therein. A band 16 is provided across the top of said receptacle and has centrally thereof an aperture 18. This aperture is provided for the purpose of journaling the said shaft 15 therein. Threads 19 may be provided at each end of the said shaft 15 and suitable conventional threaded locking means 20 may be provided at the terminal portions of said shaft, extending out of said receptacle. It is here noted that this invention contemplates the use of conventional pin locking means in place of the said threaded means if so desired.

As is apparent from an inspection of Figure 2, a plurality of radially extending baffles or blades 22 are provided on said shaft and are adapted to be manually rotated in said receptacle. Obviously, any condiment residing in said receptacle will be agitated and broken down, if it is in a lumpy condition.

A dome or cap 24 is threadedly received on a suitable flange 26 provided on said receptacle 10. This dome is removably secured to said receptacle and the inner portion of said dome communicates with the receptacle through the medium of the apertures 28 on each side of the said strap 16.

A slot 30 is provided at the top of said dome and a depending flange 32, integral with said dome, extends inwardly or toward the interior of the member 24. A shaft 34 is journaled within said dome, adjacent the said slot 30. Bristles 36 extend radially of the said shaft 34 and are adapted to be engaged to a slight degree by the said flange 32. It is now apparent that upon rotation of the said shaft 34 by suitable removable handle means 38, condiment will be brushed out from said dome and a small portion thereof will be ejected through the banks of apertures 40 provided on each side of said bristles 36. In this manner, a smooth flow of condiment may be effected at all times even when said condiment contains a relatively large amount of moisture. As is apparent from an inspection of Figure 1, a plate 42 may be removably secured in said dome for journaling the said shaft 34 thereon. By this expedient, the brush means 34, 36 may be removed in a very simple and easy manner.

Referring now to Figures 5 and 6, there is seen

a second embodiment of the present invention wherein the depending flange **44** extends deeper into the said bristles **36**, than in the first described embodiment. Accordingly, in the operation of this second embodiment it will be noted that the condiment is ejected rather than brushed. It is apparent that the bristles will be sprung backward (relative to direction of rotation) and then flipped forward successively as the said shaft **34** is rotated. It is noted at this point that the said second embodiment of the present invention may be provided without the banks of apertures **40** if so desired. However, if the said banks of apertures **40** are provided, they may be used for dispensing purposes when the condiment is in a favorable condition and the rotating member may be used if the condiment is adversely disposed to free flow through said banks of apertures.

Due to the extreme mechanical simplicity characterizing this invention, a further description thereof is deemed unnecessary. However, it is understood, that variations as to size and shape may be made herein without departing from the spirit of the invention. Accordingly, limitation is desired only in accordance with the scope of the following claims.

Having thus described the instant invention what is claimed as novel and improved is as follows:

1. In a condiment dispenser which includes a receptacle, an upwardly extending hollow cap having dispensing apertures in at least one side thereof and detachably carried by said receptacle, a slot in the top of said cap, a flange depending from one edge of said slot within said cap, a brush rotatively mounted in said cap beneath said slot, said brush having bristles, the ends of which engage said flange to agitate the bristles while the brush is rotated, thereby retaining the brush in a substantially condiment free condition and assisting in ejecting condiment through the slot in said cap.

2. The combination of claim 1 and said cap having inwardly directed wall portions in the sides thereof partially below said brush and having said apertures in one of the wall portions, and the other of said wall portions having other dispensing apertures therein.

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