Dec. 17, 1935. M. J. GIBBONS 2,024,920

SHAKER CAP

Filed Oct. 3, 1934

Fig. 1.

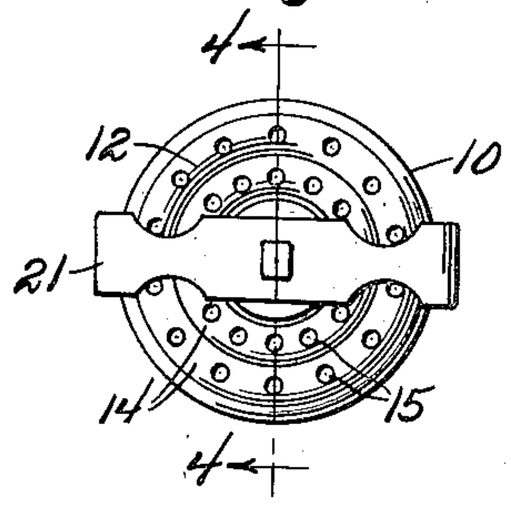


Fig. 2.

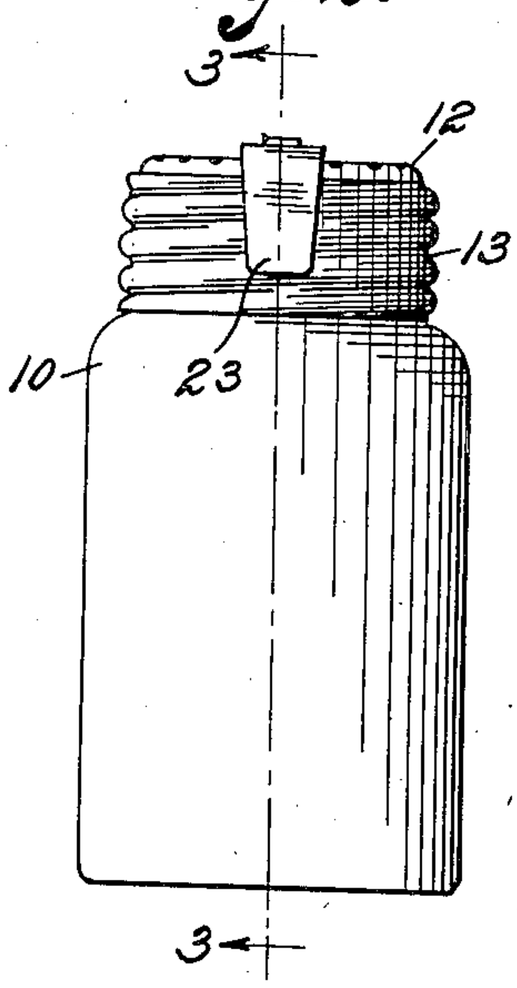


Fig. 3.

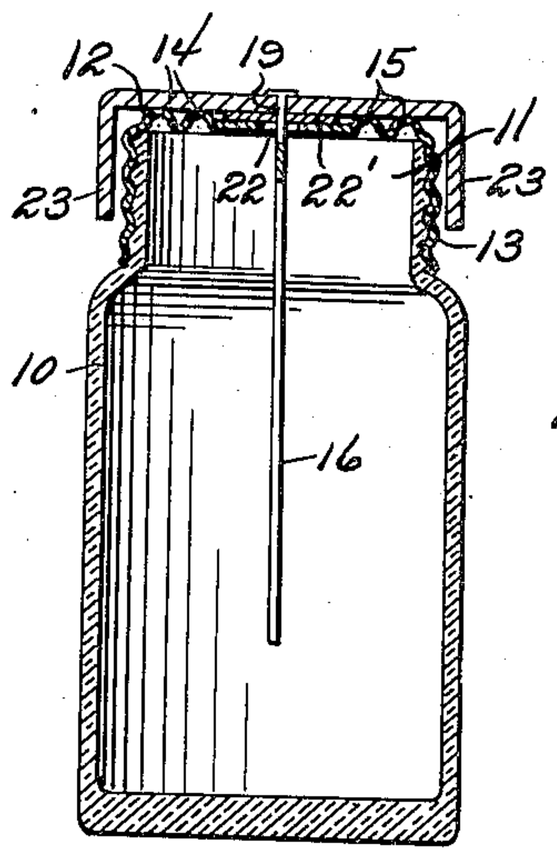


Fig. 4.

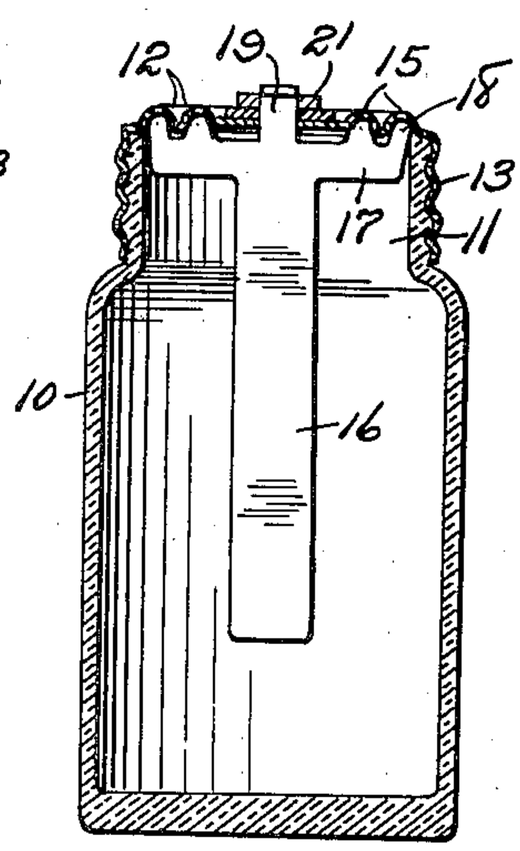


Fig. 5.

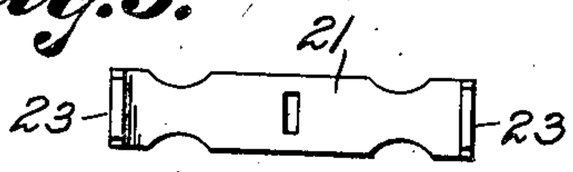


Fig. 6.

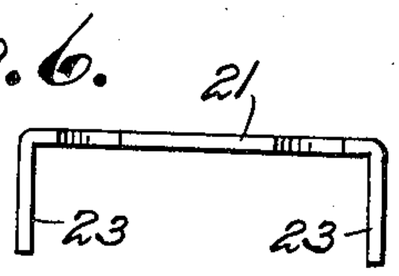
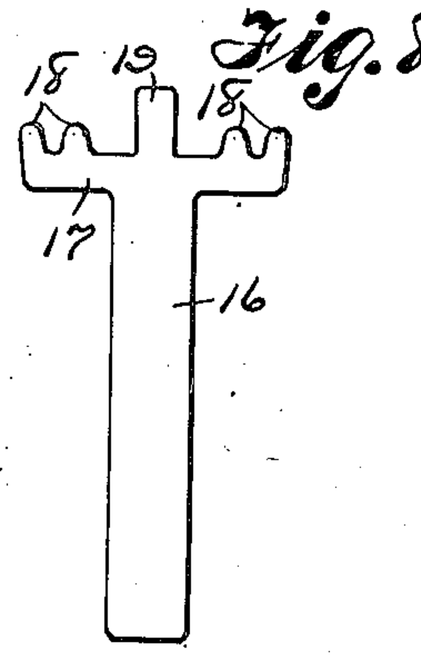


Fig. 7.



Fig. 9.

Fig. 8.



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SHAKER CAP

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Application October 3, 1934, Serial No. 746,730

1 Claim. (Cl. 65—57)

The invention relates to a cap for receptacles and more especially to condiment holder caps.

The primary object of the invention is the provision of a cap of this character, wherein the discharge openings therein can be maintained unobstructed, so that condiments, especially salt, can be dispensed therefrom freely, the cap in its entirety being of novel construction.

Another object of the invention is the provision of a cap of this character, wherein the same carries a scraper which functions to clean away substance adhering to the cap at the inner side thereof and at the openings or perforations therein to satisfy free dispensing through the cap when applied to a receptacle.

A further object of the invention is the provision of a cap of this character which is simple in construction, thoroughly reliable and effective for its purpose, operating as an agitator for the contents of a holder or receptacle, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention, and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a top plan view of a cap constructed in accordance with the invention.

Figure 2 is a side view thereof as applied to a condiment holder.

Figure 3 is a sectional view on the line 3—3 of Figure 2 looking in the direction of the arrows.

Figure 4 is a sectional view on the line 4—4 of Figure 1 looking in the direction of the arrows.

Figure 5 is a bottom plan view of the turning piece of the cleaner medium for the cap.

Figure 6 is a side elevation thereof.

Figure 7 is a plan view of a washer used with the cleaner medium.

Figure 8 is a side elevation of the cleaner medium.

Figure 9 is a top plan view of the cap with the cleaner medium removed.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, 10 indicates generally the body of the condiment holder, which may be of any shape desired and formed from any suitable material, in this instance being of circular shape and provided with a threaded circular neck 11. Engageable upon the neck 11 is the cap embodying the present invention and hereinafter fully described.

The cap comprises an inverted cup-shaped member forming a removable top and includes the perforated body 12 having a screw-threaded rim 13 which detachably engages the threaded neck 11 of the body 10 in the detachable mounting of the cap thereon. The body 12 is formed with a plurality of concentrically disposed grooves or channels 14 and has the perforations 15 arranged in circular series in the top of each groove or channel 14.

Mounted for rotation within the body 10 of the holder is an agitating element or a cleaning medium 16 which is of substantially T shape formation to provide the cross piece 17 which, at its upper edge, carries the lips 18 of a shape corresponding to the grooves or channels 14 and received therein. The cross piece, at its center, is formed with a tongue 19 fitting in a circular clearance or opening 22 therefor as provided in the body 12, this clearance or opening being centrally of the same. Disposed exteriorly of the cap and straddling the same is an inverted U-shaped turning piece 21 with which is secured the tongue 19, while interposed between the piece 21 and the body 12 of the cap and countersunk in the latter at its center is a washer 22, so that the said piece 21 will be raised the required distance to not be interfered with by the tops of the grooves or channels 14 when said piece is manually turned for actuating the agitator and also to have the lips 18 function to clean the grooves or channels of sediment, so that the perforations 15 will be clear for the free dispensing of the contents of the body 10 in the use of the cap. The ends 23 of the piece 21 are disposed slightly beyond and parallel with the rim 13 of the cap, so that they can be grasped by the fingers when it is desired to turn the agitator 16, as should be apparent.

What is claimed is:

The combination with a condiment holder, of a shaker cap having spaced concentrically disposed perforated grooves thereon, a substantially T-shaped agitating element rotatably mounted within the holder and of substantially rectangular formation in cross section, the stem of said element being disposed centrally of the holder with the cross piece arranged immediately beneath said cap, teeth projecting from one edge of the cross piece and adapted to traverse

said perforations when the element is rotated, a turning member arranged exteriorly of the cap and extended downwardly at diametrically opposite points with relation to said cap, a center stud on the element and passed loosely through the cap and secured to the turning member, and a washer countersunk in the cap centrally thereof to lie between the turning member and said cap for elevating the turning member with respect to said grooves and fixed to said stem.

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