No. 834,190. PATENTED OCT. 23, 1906.

W. J. CHAMBERS.

SCREW TOP FOR SYRUP AND OTHER CANS.

APPLICATION FILED MAY 15, 1905.

Fig. 1

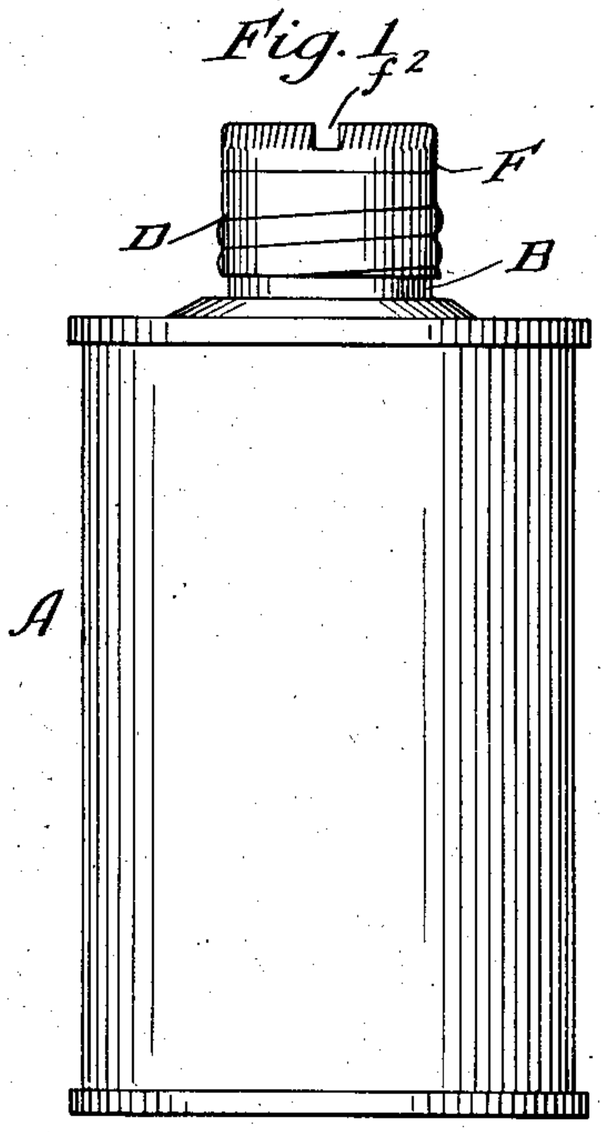


Fig. 2

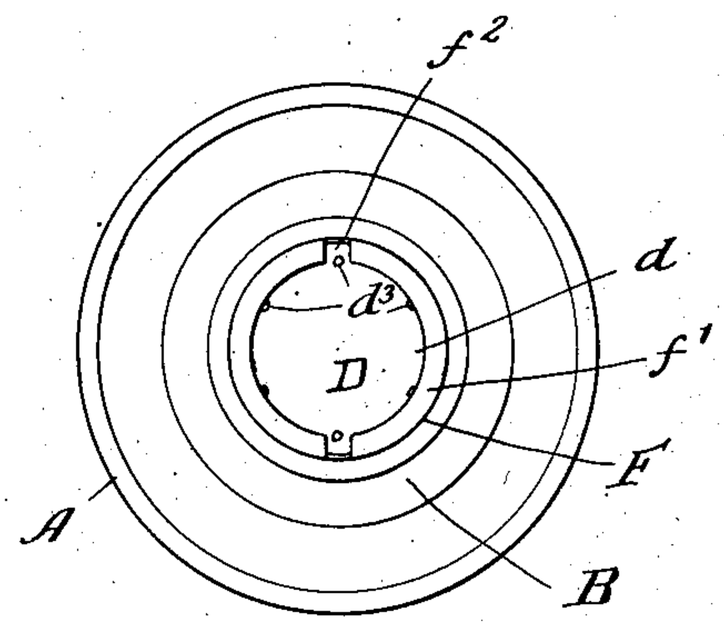
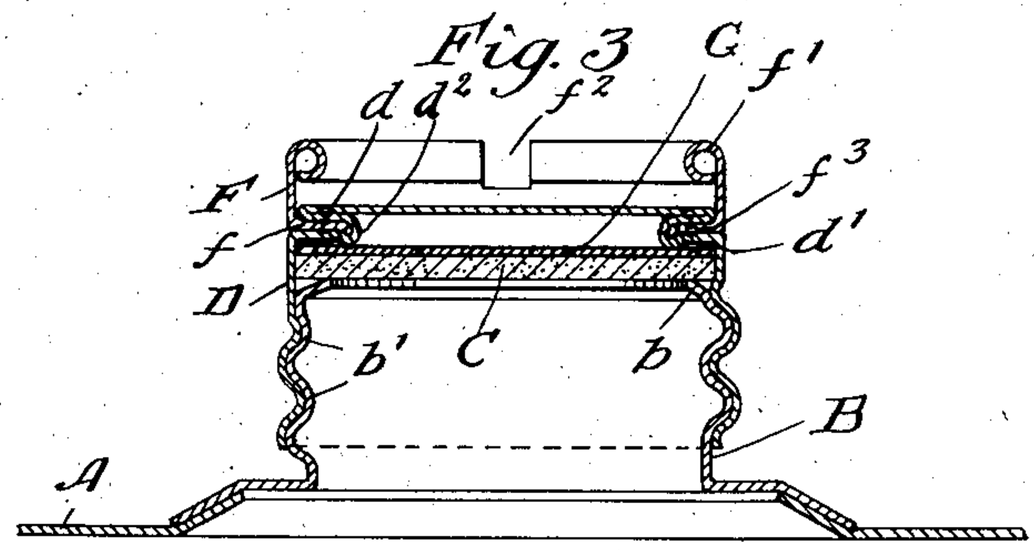


Fig. 3



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UNITED STATES PATENT OFFICE.

WILLIAM J. CHAMBERS, OF CHICAGO, ILLINOIS, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

SCREW-TOP FOR SYRUP AND OTHER CANS.

No. 834,190. Specification of Letters Patent. Patented Oct. 23, 1906.

Application filed May 15, 1905. Serial No. 260,394.

To all whom it may concern:

Be it known that I, WILLIAM J. CHAMBERS, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Screw-Tops for Syrup and other Cans, of which the following is a specification.

My invention relates to screw-caps or screw-tops for cans.

Heretofore great difficulty has been experienced in the practical operation of screw-tops or screw-caps for closing syrup and other cans containing sticky or gummy substances, owing to the screw-cap sticking fast and becoming very difficult to open or unscrew.

The object of my invention is to provide a screw-top can of a simple, strong, efficient, and durable construction which may be securely and tightly closed and which at the same time may be readily opened however fast or rigid the screw-cap may become stuck or fixed, and this without danger of breakage.

My invention consists in the means I employ to practically accomplish this object or result—that is to say, it consists, in connection with the screw top or nozzle, of a screw-cap furnished with an upwardly-projecting peripheral rim having a roll or reinforcement at its upper edge and furnished with a slot to receive a nail, knife, or other implement serving as a lever to unscrew the cap. My invention also consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown or described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of a syrup or other screw-top can embodying my invention. Fig. 2 is a top or plan view, and Fig. 3 is an enlarged central vertical section.

In the drawings, A represents the can or vessel having an upper head *a* furnished with a screw-top B, having an inturned flange *b* to form a seat for the cork or packing disk C and screw-threads *b'* to receive a screw-cap D. The screw-cap D is furnished with integral annular flanges *d d'*, which embrace between them the inturned flange *f* of the upwardly-projecting rim F, thus securely and firmly attaching these two parts together. The upwardly-projecting rim F has a roll, fold, or reinforcement *f'* at its upper edge, and this upwardly-projecting rim is provided with a diametrical slot f^2 to receive a nail or knife or other implement to act as a lever in unscrewing the cap. The interengaging folds or flanges *d'*, d^2, and *f* are preferably additionally locked together by teats or projections d^3 f^3, formed at intervals therein, or, if desired, these interengaging flanges may be soldered together for additional or further security.

G is a sheet-metal disk or washer interposed between the cork or packing C and the screw-cap D or its inturned flange *d'* to prevent the screw-cap sticking to the packing, and thus interfering with the unscrewing of the cap. The screw-cap or its flange *d'* is preferably provided with an annular bead d^2 to give a narrow bearing between the screw-cap and the disk or washer G, and thus facilitate the unscrewing of the cap.

I claim—

1. In a screw-top can, the combination with a screw-top, of a screw-cap furnished with an upwardly-projecting annular rim having a hollow circular annular roll at its upper end and an inwardly-projecting annular flange at its lower end, an annular recess on the periphery of the screw-top in which the annular flange on said rim is clamped, said rim being provided with open slots through the same and across said hollow circular annular roll, dividing said roll into open-ended arch-like segments to serve as fulcrums for a lever in unscrewing the cap, substantially as specified.

2. In a screw-top can, the combination with a screw-top, of a screw-cap furnished with an upwardly-projecting diametrically-slotted rim to receive a lever for unscrewing the cap, said upwardly-projecting rim being furnished with a roll or reinforcement at its upper edge, and said upwardly-projecting rim having an inturned flange at its lower end, and said screw-cap having flanges or folds embracing said upwardly-projecting flange on said rim, substantially as specified.

3. In a screw-top can, the combination with a screw-top, of a screw-cap furnished with an upwardly-projecting diametrically-

slotted rim to receive a lever for unscrewing the cap, said upwardly-projecting rim having an inturned flange at its lower end, and said screw-cap having flanges or folds embracing said upwardly-projecting flange on said rim, substantially as specified.

4. In a screw-top can, the combination with a screw-top, of a screw-cap furnished with an upwardly-projecting diametrically-slotted rim to receive a lever for unscrewing the cap, said upwardly-projecting rim being furnished with a roll or reinforcement at its upper edge, and said upwardly-projecting rim having an inturned flange at its lower end, said screw-cap having flanges or folds embracing said upwardly-projecting flange on said rim, a cork or packing interposed between said screw-top and said screw-cap, and a sheet-metal disk or washer interposed between said cork or packing and said screw-cap, substantially as specified.

5. In a screw-top can, the combination with a screw-top, of a screw-cap furnished with an upwardly-projecting diametrically-slotted rim to receive a lever for unscrewing the cap, said upwardly-projecting rim having an inturned flange at its lower end, said screw-cap having flanges or folds embracing said upwardly-projecting flange in said rim, a cork or packing interposed between said screw-top and said screw-cap, and a sheet-metal disk or washer interposed between said cork or packing and said screw-cap, substantially as specified.

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