

W. G. KENDALL.  
CLOSURE FOR TALCUM POWDER CANS.  
APPLICATION FILED SEPT. 18, 1918.

1,291,916.

Patented Jan. 21, 1919.

Fig. 1.

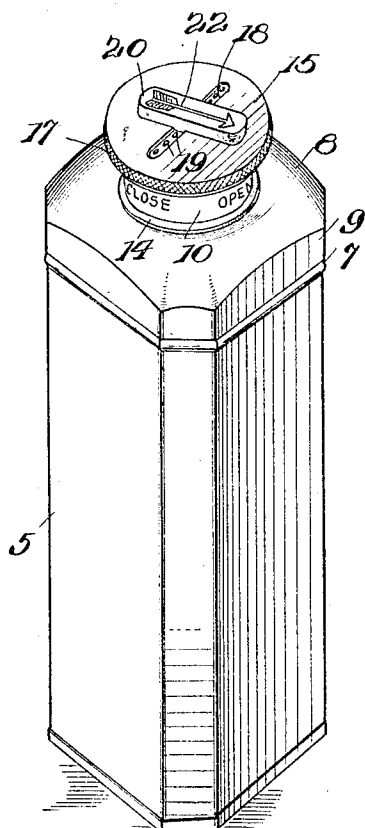


Fig. 2.

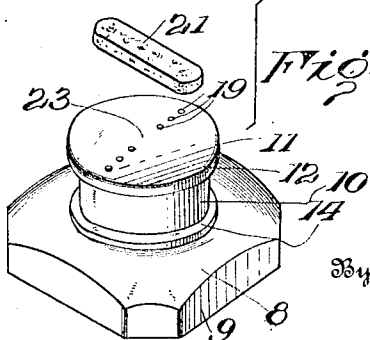
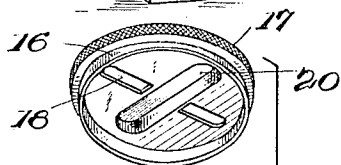
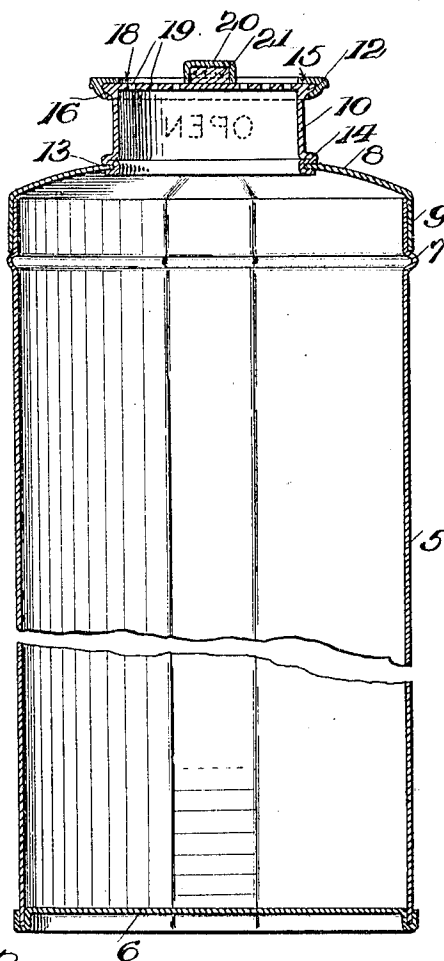


Fig. 3.

Inventor  
W. G. Kendall.  
Lacey & Lacey Attorneys

# UNITED STATES PATENT OFFICE.

WILLIAM G. KENDALL, OF NEWARK, NEW JERSEY.

## CLOSURE FOR TALCUM-POWDER CANS.

1,291,916.

Specification of Letters Patent.

Patented Jan. 21, 1919.

Application filed September 18, 1918. Serial No. 254,617.

*To all whom it may concern:*

Be it known that I, WILLIAM G. KENDALL, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Closures for Talcum-Powder Cans, of which the following is a specification.

This invention relates to closures for talcum powder cans and similar containers and has for its object to provide a comparatively simple and inexpensive device of this character which may be conveniently opened to permit the discharge of small quantities of powder, as required, and which will effectually cut-off the flow of powder and hermetically seal the mouth of the can when moved to closed position.

A further object of the invention is to provide a closure including a cap having a pocket formed therein for the reception of a strip of cork or other yieldable packing, which latter bears against the head of the can and serves to close the discharge orifices and also serves to take up friction between the cap and head.

A further object is to provide the cap with an arrow or other indicating device adapted to register with suitable indicia on the neck of the can for indicating the open and closed positions of said cap.

A still further object is generally to improve this class of devices so as to increase their utility, durability and efficiency.

Other and incidental objects will appear as the description proceeds. In the drawings wherein I have illustrated the preferred embodiment of the invention, and wherein similar reference characters designate corresponding parts throughout the several views:

Figure 1 is a perspective view of a talcum powder can provided with a closure constructed in accordance with the present invention;

Fig. 2 is a longitudinal sectional view;

Fig. 3 is a perspective view showing the different elements constituting the closure separated and in position to be assembled.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved closure forming the subject-matter of the present invention is principally designed for application to talcum

powder cans and similar containers and by way of illustration is shown in connection with a powder can of the ordinary construction in which 5 designates the body of the can, 6 the bottom and 7 an annular stop bead arranged near the upper end thereof.

The device comprises a cover 8, preferably stamped or otherwise formed of metal and having a central opening therein and a depending flange 9 adapted to fit over the top of the can or container 5 and bear against the stop rib 7, as shown. Secured to the cover 8 is a cylindrical neck 10 having a flat upper head 11, the peripheral edge of which is pressed or rolled laterally to form a circumscribing flange 12. The neck 10 and head 11 are preferably stamped or pressed from a single sheet of metal and the lower end of said neck extends within the opening in the cover 8 and is rigidly secured thereto by crimping or bending the lower edge of the metal laterally beneath the cover, as indicated at 13. The metal constituting the neck 10 is also preferably pressed laterally above the cover to form an annular flange or shoulder 14 which coacts with the flange 13 to grip the cover and thus secure the neck in position thereon.

Mounted for rotation on the head 11 is a cap or closure 15 having its marginal edge bent or rolled downwardly and inwardly to form a retaining flange 16 which fits over the flange 12 on the head and serves to prevent accidental displacement of the cap, while at the same time permitting free rotation thereof on the head for the purpose hereinafter set forth. The peripheral edge of the cap is preferably milled or roughened, as indicated at 17, to permit the cap to be conveniently grasped and rotated when desired. The cap 15 is provided with spaced transverse slots 18 adapted to register with suitable orifices 19 formed in the head 11 to permit the discharge of small quantities of powder from the container as required. The metal constituting the cap 15 is preferably upstruck or pressed laterally to form an elongated raised portion 20 defining a pocket adapted to receive a strip of cork, rubber, wood or other yieldable packing, indicated at 21. The raised portion 20 is preferably disposed at substantially right angles to the slots 18 and stamped or otherwise represented on the upper surface of the upstanding portion 20 is an arrow 22 adapted to register with suitable indicia on the neck

of the closure to indicate to the user when the cap is in open and closed positions. The discharge orifices 19 are disposed on opposite sides of the raised portion 20, that portion of the head 11 immediately below the packing 21 being smooth and devoid of perforations, as indicated at 23, so that the packing 21 will bear flat thereagainst. The packing 21 not only serves to close the discharge orifices 19 and hermetically seal the same when the cap is moved to closed position, but by engagement with the upper surface of the head 11 serves to reduce friction between the parts and also to slightly retard the movement of the cap so as to prevent said cap from rotating too freely. While the upstanding portion 20 is preferably struck up from the metal constituting the body of the cap 15, it will, of course, be understood that, if desired, the portion 20 may be formed separately and subsequently soldered or otherwise secured to the cap. The upstanding portion 20 also serves as a convenient finger piece by means of which the cap may be rotated.

It will thus be seen that by grasping either the roughened edge 17 of the cap or the upstanding portion 20 thereof and rotating the cap in one direction, the slots 18 will register with the orifices 19 so that by tilting the can small quantities of powder may be discharged therefrom and that by rotating the cap in the opposite direction, the upstanding portion 20 will be moved to a position over the discharge orifices with the packing 21 bearing against the upper surface of the head 11 so as to form a liquid and moisture proof closure for said orifices and thus hermetically seal the discharge mouth of the can. It will, of course, be understood that the upstanding portion 20 may be of any desired length or width and that any desired number of discharge orifices may be formed in the head 11 without departing from the spirit of the invention. The closure being stamped or pressed from metal may be manufactured and placed on the market at a minimum cost while at the same time producing an article possessing maximum efficiency.

Having thus described my invention, what is claimed as new is:

1. A closure for powder containers including a head having a discharge orifice, a cap concentrically mounted for rotation on the head and provided with a pocket, and an opening adapted to register with the orifice to permit discharge of powder when the cap is moved to open position, and means disposed within the pocket and adapted to cover the orifice when the cap is moved to closed position.

2. A closure for powder containers including a head having a discharge orifice, a cap concentrically mounted for rotation on the

head and having an upstanding portion defining a pocket opening through the lower face of the cap and an opening adapted to register with the orifice to permit the discharge of powder when the cap is moved to open position, and packing disposed within the pocket and adapted to cover the orifice when the cap is moved to closed position.

3. A closure for powder containers including a head having a discharge orifice, a cap mounted for rotation on the head and provided with an opening adapted to register with the orifice to permit the discharge of powder, said cap being provided with an upstanding portion defining a pocket, and packing disposed within the pocket and adapted to cover the orifice when the cap is moved to closed position.

4. A closure for powder cans including a head having discharge orifices, a cap mounted for rotation on the head and provided with spaced slots adapted to register with the orifices to permit the discharge of powder, said cap being provided with an upstanding portion disposed at substantially right angles to the slots and defining a pocket, and a strip of packing disposed within the pocket and adapted to bear against the head and close the orifices when the cap is moved to closed position.

5. A closure for powder cans including a head having a discharge orifice, a cap mounted for rotation on the head and provided with a slot adapted to register with the orifice to permit the discharge of powder, said cap being provided with an upstanding portion disposed at substantially right angles to the slot and defining a pocket, a strip of packing disposed within the pocket and adapted to cover the orifice when the cap is moved to closed position, and an indicating device carried by the raised portion of the cap.

6. A closure for powder cans including a neck having a head provided with discharge orifices and a lateral flange disposed at the juncture of the head and neck, a cap mounted for rotation on the head and provided with an inturned portion fitting over the flange, said cap being formed with a slot and provided with an upstanding portion disposed at substantially right angles to the slot and defining a pocket, and a strip of packing disposed within the pocket and adapted to cover the orifices when the cap is moved to closed position.

7. A closure for powder containers including a neck having a flat head provided with spaced series of discharge orifices and formed with a flange at the juncture of the head and neck, a cap mounted for rotation on the head and provided with an inturned portion fitting over the flange, said cap being formed with spaced slots and provided with an upstanding portion disposed between said

slots and defining a pocket, a packing arranged within the pocket and adapted to bear against that portion of the head between the series of orifices when the slots register with the orifices and adapted to cover said orifices when the cap is moved to closed position.

8. A closure for powder receptacles including a neck having a head provided with a discharge orifice, a cap mounted for rotation on the head and provided with an opening

adapted to register with the orifice, and an upstanding portion defining a pocket, packing disposed within the pocket, there being indicia on the neck indicating the open and closed positions of the cap, and an indicating device on the upstanding portion and adapted to register with the indicia on said neck.

In testimony whereof I affix my signature.

WILLIAM G. KENDALL. [L. S.]

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."