Oct. 26, 1926. 1,604,413

J. M. HOTHERSALL

TALCUM POWDER BOX

Filed Dec. 27, 1921

Fig. 1

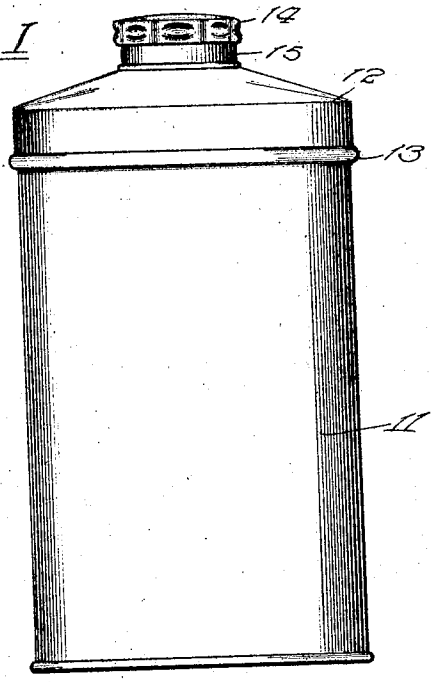


Fig. 3

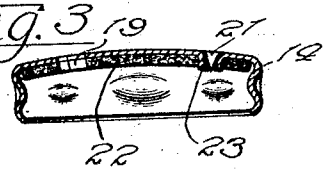


Fig. 4

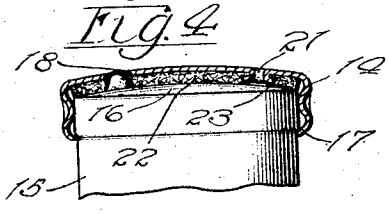
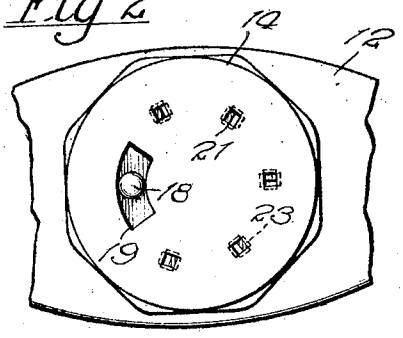


Fig. 2



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UNITED STATES PATENT OFFICE.

JOHN M. HOTHERSALL, OF BROOKLYN, NEW YORK, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

TALCUM-POWDER BOX.

Application filed December 27, 1921. Serial No. 524,925.

This invention relates in general to sifter top containers, and has more particular reference to containers adapted for the packaging of talcum powder and like material.

A principal object of the invention is the provision of a cap for a talcum powder can provided with a gasket secured in place in particularly effective and inexpensive manner, for preventing leakage when the can is closed.

A further object of the invention is the provision of a cap of this character which may be formed with a more simple form of tools than those ordinarily employed in operating upon articles of this type.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawings, discloses a preferred embodiment thereof.

Referring to the drawings,

Figure 1 is a side elevation of a container in which my invention is embodied;

Fig. 2 is an enlarged top plan view of a portion thereof;

Fig. 3 is a transverse sectional view taken through the cap, showing one of the metal rivets prior to being brought to final form; and

Fig. 4 is a transverse section through the cap, showing it secured upon the neck of the container with the metal rivets brought to final form.

On the drawings, which illustrate the invention, I have shown a talcum powder can of preferred form, comprising a body 11, a top 12 permanently secured thereto at 13 in any approved manner, and a cap 14, to be hereinafter described in detail. The reference character 15 indicates a neck struck inwardly from the top portion 12, and it will be understood that said neck is provided with a perforated top portion generally indicated by the reference character 16. The cap 14 is provided with a depending and inturned flange 17 engaging the neck, which may be shouldered for this purpose, if desired, and is adapted for rotation limited by a stud 18 projecting upwardly from the top portion 16 and extending into a segmental slot 19 in the cap.

The cap 14 is provided with spaced perforations 21 and has seated therein a gasket 22 which preferably is of felt, paper or other soft material, and which is perforated correspondingly with the metal top of the cap. Said perforations 21 are formed by a piercing instrument which forces the metal of the cap inwardly, forming projections 23 which are turned back, as indicated in Fig. 4, to secure the gasket 22 against the top of the cap, the metal projections 23 about the perforations thus being formed into rivets clamping the gasket in position.

In the practice of my invention no adhesive or other special securing means are required and the projections 23 may be readily riveted back upon the gasket 22 to hold it in place.

Furthermore, the perforations 21 may be made by a simple piercing instrument, thus dispensing with the usual two-part die used for piercing perforations in the ordinary type of sifter top containers. Thus cheapness in manufacture and effectiveness in service are attained, the gasket 22, when so positioned, serving to prevent any powder from working its way to the perforations in the cap when the container is closed.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A sifter top container, comprising a body, a neck having a perforated top portion, and a cap engaging said neck and having an internal gasket secured in place by metal of the cap struck inwardly in piercing said cap and gasket to form outlet perforations.

2. A sifter top container, comprising a body, a neck having a perforated top portion, and a cap engaging said neck and having an internal gasket riveted in place by underturned metal of the cap struck inwardly in piercing said cap and gasket to form outlet perforations.

3. A cap for sifter top containers, comprising a metal body and a gasket seated therein, said body and said gasket being per-

forated and said gasket being secured in place by the metal turned under from said body in forming the perforations.

4. A cap for sifter top containers, comprising a metal body having a depending flange adapted to snap over a neck or shoulder part of a container; perforations in the top portion of said body, a gasket of soft material in said body and protected by the flange thereof, perforations in said gasket, said gasket being secured to said body by integral parts of said body extending through said gasket and clinching the same to said body.

5. A sifter top container, comprising a body, a neck having a perforated top portion, and a cap frictionally engaging said neck and being rotatable thereon, said cap being provided with perforations and having a gasket secured therein by the metal displaced in forming said perforations.

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