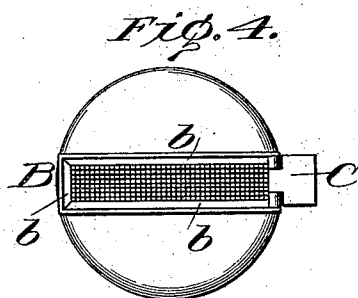
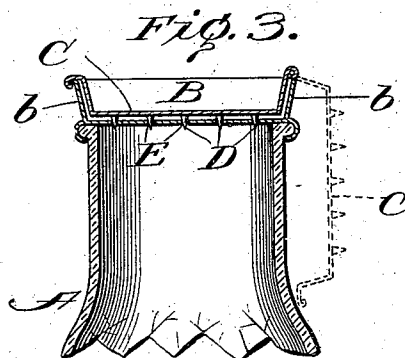
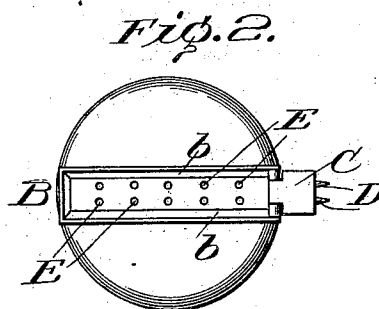
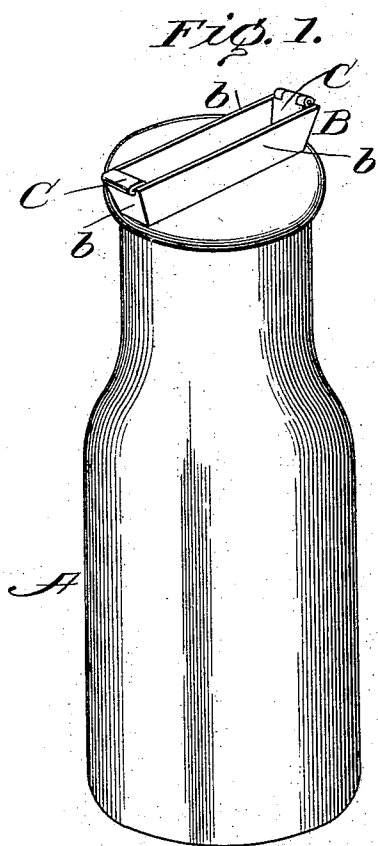


A. F. HETHERINGTON.
TOOTH POWDER CONTAINER.
APPLICATION FILED FEB. 1, 1909.

987,986.

Patented Mar. 28, 1911.



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ARTHUR F. HETHERINGTON, OF NEW YORK, N. Y.

TOOTH-POWDER CONTAINER.

987,986.

Specification of Letters Patent.

Patented Mar. 28, 1911.

Application filed February 1, 1909. Serial No. 475,371.

To all whom it may concern:

Be it known that I, ARTHUR F. HETHERINGTON, a citizen of the United States of America, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Tooth-Powder Containers, fully described and represented in the following specification and accompanying drawings, forming part of same.

The object of this invention is to provide a more efficient tooth powder receptacle of the simplest possible construction which will distribute evenly on the tooth brush a given amount of powder and return whatsoever powder does not adhere to the brush back into the container, without scattering any, and without loss; to provide a construction which will not clog, either when filling the container or in charging the brush, one which may be readily filled, but cannot readily be refilled, one which may be securely closed, one which will be trim, tidy, clean, well-shaped, well-proportioned, cheap in manufacture, durable and attractive.

The tooth powder container of my invention is adapted particularly for home use and at the same time for the traveler's needs.

In tooth powder containers in common use and in those heretofore invented, but which never came into use, there is either no provision for anything but storing the powder, or else the means of distributing the powder on the brush are complicated or inadequate or subject to clogging, and do not close securely, or are clumsy and inefficient and expensive. By my invention I obviate all these difficulties and provide a receptacle of simple construction, which in use will deposit powder evenly on the brush without moistening the unused contents, without waste, one which by simple means will be securely closed, and which by ordinary manipulation cannot be refilled.

In the accompanying drawing forming part of this specification, and in which like letters indicate corresponding parts, I have illustrated my invention in its best form, but other forms may be used without departing from the spirit of my invention.

Figure 1 is a view in perspective of the tooth powder container of the preferred full size, although size is not an essential, showing the hinged cover carrying the pin stops, and showing the flaring mouthpiece; Fig. 2

is a top view of the mouthpiece, showing the holes through which the powder is distributed on the brush; Fig. 3 is a section view of the mouthpiece showing the holes of the mouthpiece with the cover shut, and the pin stops in their closing position. Fig. 4 is a top view of the mouthpiece showing a wire gauze opening through which the powder is distributed on the brush.

Referring to the drawings, A is the body of the receptacle; B is the mouthpiece; *b b* are the flaring edges thereof; C is the hinged cover carrying the pin-stops D affixed to the cover C in such positions as to close the distributing holes E in the bottom of the mouthpiece B.

EE are holes in the bottom of the mouthpiece through which the tooth powder is distributed to the brush and which are sufficiently numerous to supply powder evenly to all parts of the working surface of the brush, preferably ten or twelve in number, or in a substitute for the holes, a wire gauze strip in the bottom of the mouthpiece of sufficient length and breadth to correspond with the working surface of the tooth brush when it is pressed into the V-shaped mouthpiece for receiving the tooth powder, as shown in Fig. 4, but the gauze bottom is a mere substitute for the distributing holes and is not the preferred construction.

The mouthpiece B is V-shaped and may be stamped or formed out of a single piece of metal, preferably aluminum, tin or silver, but may be made of celluloid or ivory or other suitable material. The hinged cover C is preferably made with such a hinge as will admit of throwing the cover through three-quarters of a circle, so that when wide open it will hang down by the side of the container so as to clear the tooth brush handle. The mouthpiece on its lower side has preferably a cylindrical cover which will fit over the flanged neck of the preferably glass tooth powder container, which may be crimped under the glass flange, and thus securely and tightly fastened to the glass container. If the gauze bottom of the mouthpiece is preferred to the perforated mouthpiece, no pin-stops are required on the cover, for the cover in its closed condition is made to fit snugly upon the surface of the perforated mouthpiece.

The manufacture of my construction may be as follows: The glass containers and the mouthpieces and hinged covers attached go

to the filling department unassembled, where the containers are filled with the tooth powder. The tops comprising the mouthpiece cover and hinged cover are then fitted over
 5 the top of the container, and thereupon, preferably in the usual crimping machine, the cover is crimped underneath the flange of the glass container, securely and tightly closing the joint.

10 In use for tooth brush purposes, the cover is opened, the tooth brush wedged in to the flaring mouthpiece and the container inverted. The tooth powder is then by a slight shake evenly distributed over the
 15 whole working surface of the tooth brush, in quantity according to the preference of the user, whereupon the container is returned to its upright position and the brush withdrawn.

20 My improved construction is intended to dispense with all useless parts and yet to provide the simplest, most efficient construction capable of performing the functions and securing the objects hereinbefore re-
 25 cited.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is—

30 1. A tooth powder container provided with a mouth piece having a bottom perforated to form powder escape apertures flaring edges or walls extending upwardly and outwardly from said perforated bot-
 tom, and a hinged cover provided with a

plurality of pin stops fast on the under side thereof, said pin stops being adapted to
 35 close and open the holes in the bottom of the perforated mouth piece when the cover is lowered or raised.

2. A tooth powder container provided
 40 with a mouth piece having a bottom perforated to form powder-escape apertures and edges or walls around said perforated bottom extending upwardly therefrom, and
 45 a hinged cover provided with a plurality of pin stops fast on the undersides thereof, said pin stops being adapted to close and open the holes in the bottom of the perforated
 mouth piece when the cover is lowered or
 50 raised.

3. A tooth powder container provided
 with a mouth piece having a bottom per-
 55 forated to form powder-escape apertures, edges or walls around said perforated bot-
 tom and extending upwardly therefrom, and a cover movable relatively to said perforated
 bottom and provided with means fast on the
 underside of said cover for closing and open-
 60 ing the holes in the bottom of the perforated mouth piece when the cover is moved.

In witness whereof, I have hereunto set my hand at the city, county and State of New York, this 21st day of January, 1909.

ARTHUR F. HETHERINGTON.

In presence of—

ISABEL R. RICHARDS,
 FRANK EUFEMIA.