Sept. 28, 1926. 1,601,468

A. J. BROWNWORTH

POWDER DISPENSER

Filed Oct. 21, 1925

Fig. 1.

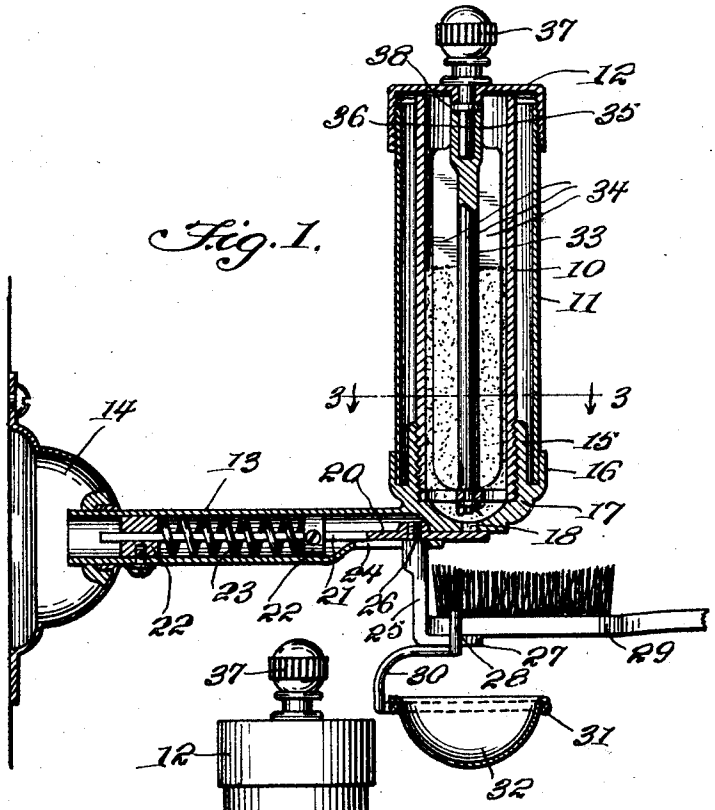


Fig. 4.

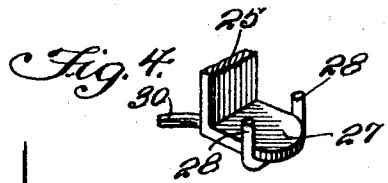


Fig. 2.

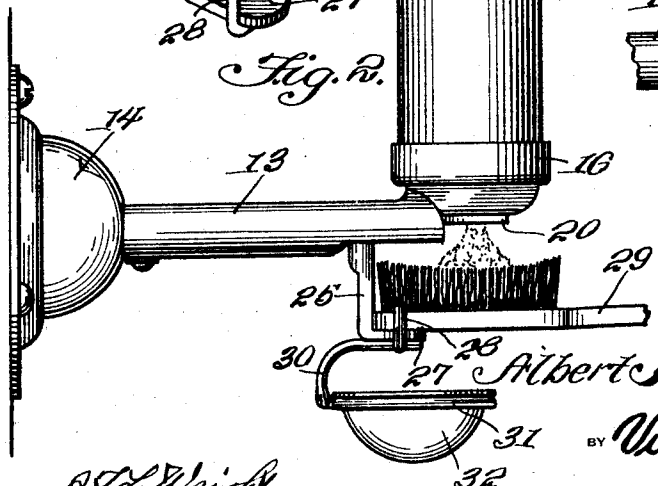
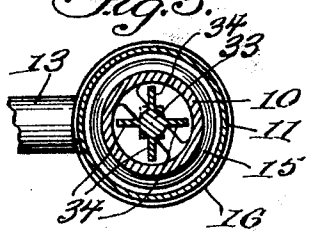


Fig. 3.



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UNITED STATES PATENT OFFICE.

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POWDER DISPENSER.

Application filed October 21, 1925. Serial No. 63,965.

This invention comprehends the provision of a bath room fixture adapted to contain and dispense tooth paste, powder, shaving cream or the like in a more sanitary and convenient manner than the present day practice or custom, in that the brush does not touch the container when being supplied with a portion of its contents, while the device is always handy and ready for use.

In carrying out the invention I contemplate the use of a container mounted upon a hollow bracket adapted to project from a wall or other support, and in which operates a slight valve for controlling or regulating the quantity of the contents dispensed from the casing.

Another object of the invention resides in providing a brush support carried by said valve, whereby the brush is properly supported directly beneath the container to receive a portion of its contents when the valve is opened, the said support being also utilized as a valve operating element when the brush is positioned thereon.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a sectional view through the device forming the subject matter of the present invention and also showing how the brush is arranged upon its support prior to the opening of the valve.

Figure 2 is a side elevation showing how the valve is opened and a portion of the contents dispensed from the container onto the brush.

Figure 3 is a sectional view on line 3—3 of Figure 1.

Figure 4 is a fragmentary perspective view of the brush support.

Referring to the drawings in detail, 10 and 11 indicate respectively inner and outer walls of what I term a container adapted to receive tooth powder or the like, the container being normally closed by a cap 12 which is threaded onto the outer wall 11, as clearly shown in Figure 1. This casing is adapted to be supported in a vertical position upon a hollow bracket indicated at 13 and which includes a base or attaching portion 14 of any suitable character or design adapted to be attached to a wall or other support. The outer end of this bracket is formed to provide a bottom or support for the container above referred to, the bottom including spaced inner and outer annular flanges 15 and 16, respectively, the former being interiorly threaded to accommodate the threads on the exterior of the inner wall 10 of the container. The outer wall 11 is received by the annular flange 16 to which it is secured in any suitable manner. This bottom 17 for the container is provided with a central opening 18 through which the contents of the container are adapted to be dispensed, but which opening is normally closed by a slide valve 20 adapted to be projected from the hollow bracket 13 and normally occupy the position shown in Figure 1. This valve 20 includes a stem 21 which slides within the bracket through spaced collars 22, while encircling said stem and arranged between said collars is a coiled spring 23 which functions to normally hold the valve in the position shown in Figure 1. The under side of the hollow bracket 13 is provided with a longitudinal slot 24 through which projects the brush support indicated at 25. This support is in the nature of an L-shaped bracket formed with a reduced threaded extremity 26 for association with the valve 20 in the manner clearly illustrated in Figure 1, the bracket depending from the valve but movable therewith through the slot 24. The opposed ends of this slot cooperate with the brush support to limit the movements of the valve in either direction. Rising from the horizontal branch 27 of the brush support are spaced pins 28 between which the brush 29 is arranged when supported on the bracket 25, the pins preventing lateral movement of the brush on the support 25, and holding it in proper position to receive the contents from the container when the valve is open. This is accomplished by simply pushing on the brush, which moves the valve 20 to its open position through the instrumentality of the brush support 25. The opened position of the valve, and the position occupied by the brush to receive a portion of the contents of the container is clearly illustrated in Figure 2. Depending from the brush support 25 is a bracket 30 including a ring-like por-

tion 31 which supports a small receptacle 32 directly beneath the container and brush so as to prevent the powder from falling on the floor under any circumstances.

Arranged to operate within the container is an agitator including a vertical shaft 33 which carries at its lower end a plurality or radially disposed arms or fingers 34, the latter being arranged directly above the outlet opening 18 for the container to prevent the latter from becoming clogged. The shaft of course is mounted for rotation within the container and for this purpose the shaft is provided with a bore 35 at its upper end to receive the squared portion 36 of a pin or shank depending from a knob 37. The bore 35 is also square in cross section, while the pin or shank 36 is formed with a collar 38 adapted to repose upon the upper end of the shaft 33 when the parts are associated. This knob is carried by the cover 12 of the container, but rotatably associated therewith, so that after the cover is arranged upon the container, the knob 37 can be freely turned to operate the agitating element within the container as and for the purpose specified.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, what is claimed as new, is:—

A device of the character described comprising a hollow wall bracket projecting horizontally therefrom, and including a substantially cup-shaped member supported at the outer end thereof, and provided with spaced annular flanges, spaced inner and outer containers supported by the respective flanges, said inner container being transparent and the outer container non-transparent, a cap closing the upper ends of both of said containers, a slide valve operating in said bracket and normally covering an opening formed in the bottom of the cup-shaped member, an L-shaped arm carried by the valve depending therefrom, a bracket supported by said arm and arranged beneath the latter and adapted to support a receptacle, said last mentioned bracket including spaced parallel lugs rising above the horizontal portion of the L-shaped bracket and adapted to be arranged on the opposite sides of the brush to assist in holding the latter in position on said bracket as and for the purpose specified.

In testimony whereof I affix my signature.

ALBERT J. BROWNWORTH.