

K. C. JOPLING.
DISPENSING RECEPTACLE.
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934,182.

Patented Sept. 14, 1909.

Fig. 1.

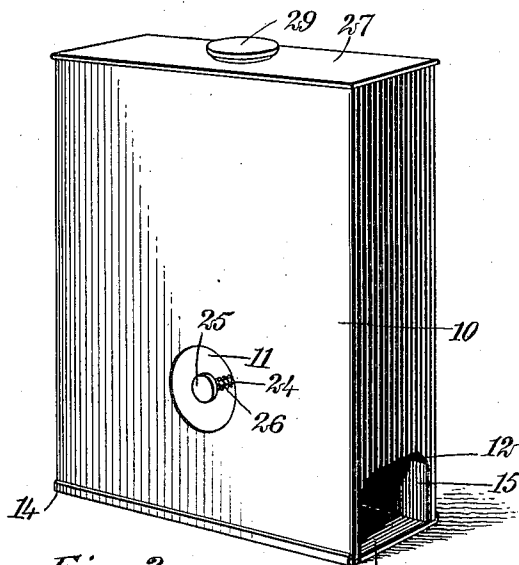


Fig. 2.

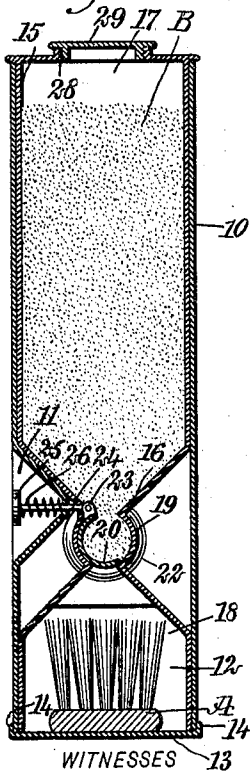


Fig. 3.

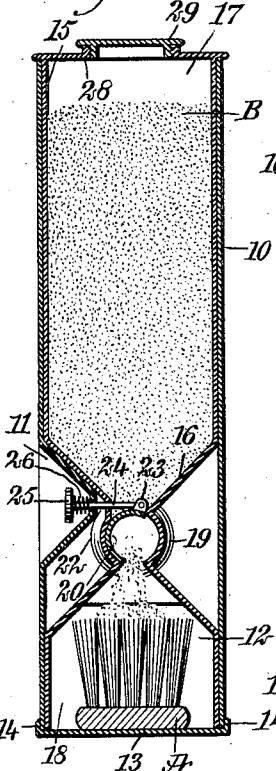
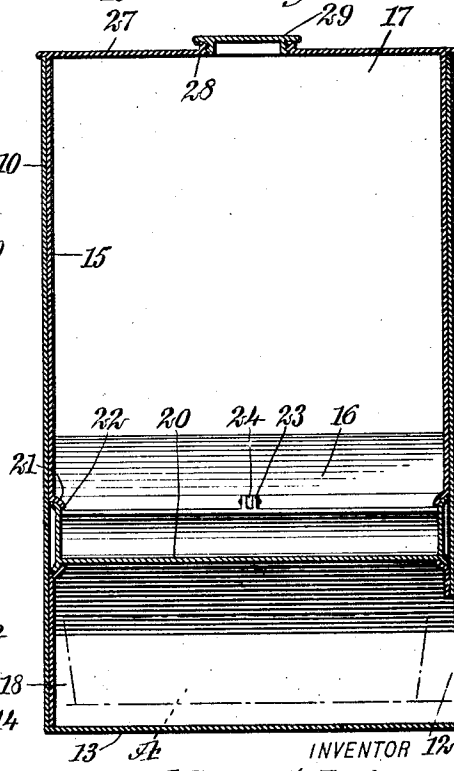


Fig. 4.



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DISPENSING-RECEPTACLE.

934,182.

Specification of Letters Patent. Patented Sept. 14, 1909.

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To all whom it may concern:

Be it known that I, KLEBER C. JOPLING, a citizen of the United States, and a resident of Memphis, in the county of Shelby and State of Tennessee, have invented a new and Improved Dispensing-Receptacle, of which the following is a full, clear, and exact description.

This invention relates to dispensing receptacles, and more particularly to a receptacle for tooth powder, which has means for dispensing the powder at will from the container, and which is provided with a chamber adapted to receive the end of the tooth brush so that the tooth powder can be dispensed directly upon the bristles.

An object of the invention is to provide a simple, inexpensive and durable receptacle for tooth powder and the like, in which the powder is kept in a container from which it can be intermittently dispensed as needed, and in which the powder container has arranged under the same, a chamber in which the tooth powder as it is dispensed, falls directly upon the brush and is thus ready for use.

A further object of the invention is to provide a device of the class described which is simple in operation and construction, from which the tooth powder cannot easily be displaced by accident, in which the powder is kept in a clean and sanitary condition, and which is of attractive appearance and can be easily manipulated.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a perspective view of an embodiment of my invention; Fig. 2 is an enlarged longitudinal section of the same, showing a tooth brush in position to receive the tooth powder from the container; Fig. 3 is a similar view showing the powder being dispensed from the container to the tooth brush; and Fig. 4 is a longitudinal section at right angles to the section shown in Figs. 2 and 3.

Before proceeding to a more detailed explanation of my invention, it should be clearly understood that while the same is

particularly useful as a container for tooth powder, and while it can be advantageously used for dispensing tooth powder directly on to a tooth brush, it can also be employed for other purposes in which it is desired to dispense granular or other material from a container on to an article by means of which the material is to be applied or otherwise used.

I prefer to fashion the receptacle from sheet metal, though it can also be conveniently manufactured from other material.

I wish to emphasize that I do not limit myself to the details of construction shown, for example, in the accompanying drawings, as these can be varied to suit individual preference or special conditions. The invention resides in the underlying principles and consists essentially, in the provision of a container for granular or other material, means for intermittently dispensing the material from the container, and means for positioning an object under the container so that it can receive the material dispensed.

Referring more particularly to the drawings, I provide an outer casing 10 preferably of rectangular cross section, and having at one side a portion inwardly disposed to form a recess or depression 11 for a purpose which will appear more clearly hereinafter. The casing at one end, near the bottom, has an opening 12 to permit a tooth brush or other article to be inserted therein, as will be shown later. A bottom 13 is secured in any convenient manner at the lower edges of the outer casing, preferably by means of upwardly disposed flanges 14 soldered or otherwise attached to the walls of the casing.

An inner casing 15 is arranged within the outer casing 10 and has its walls adjacent respectively to the walls of the outer casing. The walls of the inner casing, a distance above the bottom 13, are inwardly and outwardly disposed and form an outlet hopper 16, for the material container 17, which comprises the upper part of the inner casing. The inner casing, adjacent to the bottom of the receptacle, forms a chamber 18 adapted to receive a tooth brush A or other article through the opening 12. The upper chamber or container 17 serves the purpose of holding the tooth powder B or other material.

Intermediate the inwardly and outwardly disposed portions of the inner casing 15, the opposite walls of the latter are curved to

form a cylindrical outlet 19 through which the material can escape from the container 17 to the chamber 18. A suitably curved cut-off 20 is movably arranged within the outlet 19, and at the opposite ends has laterally extending curved flanges 21 engaging at correspondingly formed flanges 22 formed at openings in the end walls of the inner casing. The cut-off is substantially semi-circular in form and in one position, as shown in Fig. 2, closes the outlet at the lower opening, while in another position, as shown in Fig. 3, it closes the outlet at the upper opening and leaves the lower opening free. By moving the cut-off back and forth, material is allowed to escape into the outlet through the upper opening, and then out of the outlet through the lower opening, the flow of material being of course intermittent. Near the upper edge, the cut-off has ears 23, between which is pivoted a stem 24, extending through a suitable opening at the bottom of the recess 11, and having at the projecting end a button 25, by means of which it can be manipulated. A helical spring 26 is arranged upon the stem 24 and engages the button 25 and the bottom of the recess 11, normally to project the stem and hold the outlet 19 closed at the lower opening, as is shown most clearly in Fig. 2.

A top 27 is mounted upon the upper rims of the casings, and has an interiorly threaded opening 28 through which the material can be introduced into the container 17. A cap 29 serves removably to close the opening.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:

1. A dispensing receptacle comprising a container for tooth powder, a chamber under said container and formed to receive removably a tooth brush, said container having an outlet leading to said chamber, a cut-off arranged in said outlet and having at the ends flanges, said outlet having flanges movably engaging said flanges of said cut-off and positioning the latter, and a stem for operating said cut-off from the outside of the receptacle to dispense the material from said container to said chamber through said outlet.

2. A dispensing receptacle comprising communicating chambers, adapted respectively to contain tooth powder and to re-

ceive removably a tooth brush, a cut-off for dispensing the material from the first of said chambers to the second, the receptacle having a depression in the wall thereof, and an operating stem extending from said cut-off into said depression whereby said cut-off can be operated from the outside of the receptacle, said stem normally lying within said depression.

3. A dispensing receptacle, a casing having a portion forming a container for tooth powder and another portion forming a chamber adapted to receive removably a tooth brush, an outlet connecting said container and said chamber and substantially cylindrical in form, said outlet at the ends having inwardly disposed flanges, a correspondingly formed cut-off rotatably mounted in said outlet and having outwardly-disposed flanges engaging at the outside of said flanges of said outlet, a stem for operating said cut-off, and a spring engaging said stem and serving to hold said cut-off in a normally closed position, the receptacle having in the wall thereof a depression, said stem and said spring being located in said depression.

4. A dispensing receptacle, comprising an outer casing, an inner casing within said outer casing and having the walls disposed to form a container for tooth powder, and a chamber adapted removably to receive a tooth brush, said outer casing having an opening permitting a tooth brush to be introduced into said chamber, the walls of said inner casing forming a substantially cylindrical outlet between said container and said chamber, a cut-off movably positioned within said outlet and having flanges at the ends, the end walls of said inner casing having flanges adapted movably to engage said flanges of said cut-off, a stem pivotally connected with said cut-off and extending to the outside of said outer casing, and a spring controlling said stem and holding said cut-off in a normal, closed position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

KLEBER C. JOPLING.

Witnesses:

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H. C. DYER.