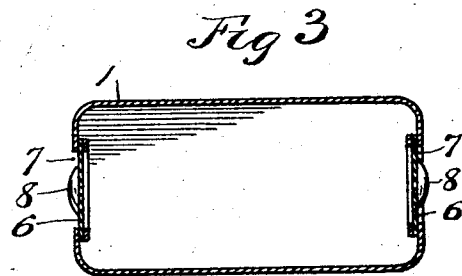
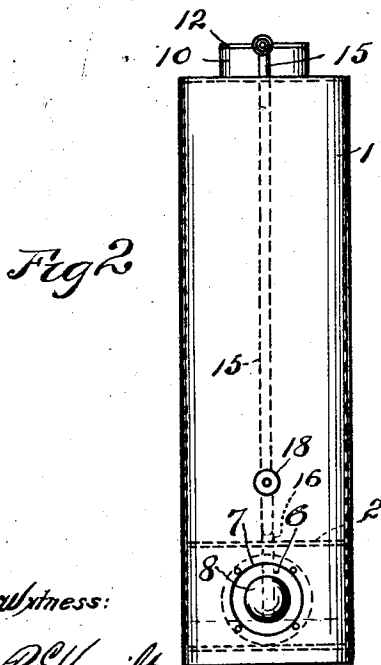
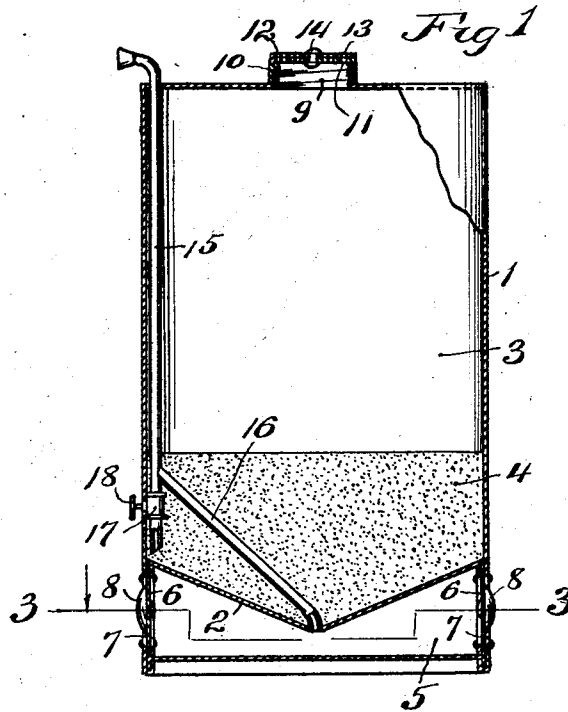


Dec. 7, 1926.

1,609,674

C. H. TEFFT
SPRAYING CONTAINER
Filed Dec. 7, 1925



Witness:

R. Hamilton

INVENTOR.
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UNITED STATES PATENT OFFICE.

CALVIN H. TEFFT, OF KANSAS CITY, KANSAS.

SPRAYING CONTAINER.

Application filed December 7, 1925. Serial No. 73,954.

My invention relates to improvements in spraying containers. It is particularly well adapted for toilet use for the spraying of powder or liquid with compressed air or for the discharge of air alone.

One of the objects of my invention is to provide a device of the kind described which is simple, cheap to make, durable, not liable to get out of order, which is convenient to operate, which may be used to spray powder or liquid mixed with air, to discharge air alone, or to sprinkle powder or liquid.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawing, which illustrates the preferred embodiment of my invention,

Fig. 1 is a central vertical sectional view of my improved spraying container shown partly filled with powder.

Fig. 2 is an elevation of the same.

Fig. 3 is a cross section on the line 3—3 of Fig. 1.

Similar reference characters designate similar parts in the different views.

1 designates the body of the container, which may be of any desired shape, the body shown being rectangular in cross section.

2 designates a trough shaped transverse partition which divides the container into an upper receptacle 3, adapted to hold liquid or powder, the latter being shown and designated by 4, and a lower chamber 5 adapted to contain air.

The air chamber is provided with means for compressing air held therein, the means shown comprising oppositely disposed compressible wall portions, each of which comprises a resilient diaphragm 6, preferably soft rubber, which covers a hole 7 in the body 1, the diaphragm being fastened to said wall at the periphery of the diaphragm, and a button 8 being secured centrally to the outer side of the diaphragm.

The top of the receptacle 3 is provided with an inlet for powder or liquid which may consist of a threaded tubular projecting portion 9 on which is removably fitted a screw cap 10 having top perforations 11. Centrally pivoted to the cap 10 is a valve 12 having perforations 13 adapted to register with the perforations 11 or to be disposed out of register therewith when the valve is turned on the pin 14 which fastens the valve to the cap.

In the receptacle 3 is a tube 15 having an

inlet lower end disposed adjacent to but spaced from the partition 2. The tube 15 extends through the top of the body 1 and has a laterally extending discharge end.

The tube 15 has a branch 16 which extends inwardly and downwardly and through the partition 2 and communicates with the air chamber 5.

In the tube 15 between the lower inlet end thereof and the branch 16 is a valve 17, which is provided with an operating stem 18, which extends through the wall of the body 1, so as to be operable from the exterior of the container.

In the operation of the invention, the cap 10 is removed and the powder 4, or liquid, as the case may be, is inserted into the receptacle 3 through the tubular projection 9.

When the stem 18 is turned to open the valve and the diaphragms 6 are alternately compressed toward each other and released, air will first be forced through the tube 15 and branch 16 from the chamber 5 to the discharge end of the tube, and then when the diaphragms are released, air will be drawn into the air chamber 5 through the tube 15 and branch 16. The air in passing outwardly through the tube 15 will effect a suction at the inlet end of the tube and powder 4 will be drawn into the tube and will be discharged with the air from the discharge end of the tube.

If it is desired to discharge air alone from the tube 15, for blowing bits of hair or powder from the face, the stem 18 is operated to close the valve 17, thus preventing the air passing from the tube carrying with it the powder.

If it is desired, the powder may be sprinkled over the face by opening the valve 12 and using the device after the manner of use of a salt or pepper shaker.

I do not limit my invention to the structure shown and described, as modifications of my invention, within the scope of the appended claims, may be made without departing from the spirit of my invention.

What I claim is:—

1. A spraying container comprising a receptacle for powder or liquid, a discharge tube having an inlet in said receptacle adapted to be immersed in powder or liquid in said receptacle and having an outlet end outside said receptacle, the tube having an air inlet branch disposed so as to discharge air into said tube toward the discharge end

thereof, means for forcing air into said branch, and closure means in said tube intermediate the inlet end thereof and said branch.

- 5 2. A spraying container comprising a receptacle for powder or liquid, a discharge tube having an inlet end in said receptacle adapted to be immersed in powder or liquid in said receptacle and having an outlet end
10 outside said receptacle, the tube having an air inlet branch disposed so as to discharge air into said tube toward the discharge end thereof, means for forcing air into said branch, and a closure valve in said tube be-
15 tween said inlet end and said branch and having an operating stem extending to the outside of said receptacle.

3. A spraying container having two chambers one adapted to hold powder or

liquid and the other adapted to contain air, 20 the air chamber having means for compressing air held therein, the first named chamber having an inlet for liquid or powder provided with a removable closure provided
25 said perforations, a discharge tube having an outlet end outside said container and an inlet end in the first named chamber adapted to be immersed in the powder or liquid held
30 therein, said tube having a branch communicating with said air chamber, and a closure means in said tube between said branch and said inlet end having operating means ex-
35 tending to and operable from the exterior of said container.

In testimony whereof I have signed my name to this specification.

CALVIN H. TEEFT.