Jan. 9, 1934. A. ASPLUND 1,943,199

SUGAR DISPENSER

Filed June 8, 1932

FIG. 1.

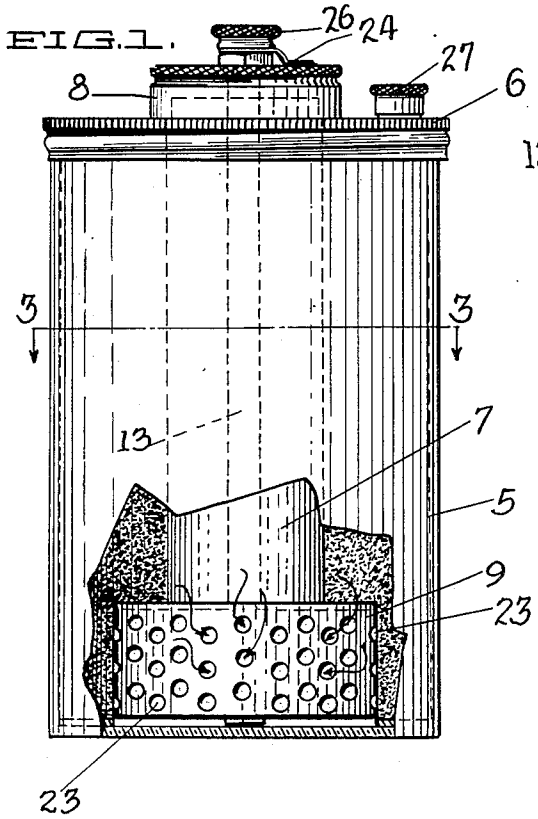


FIG. 2.

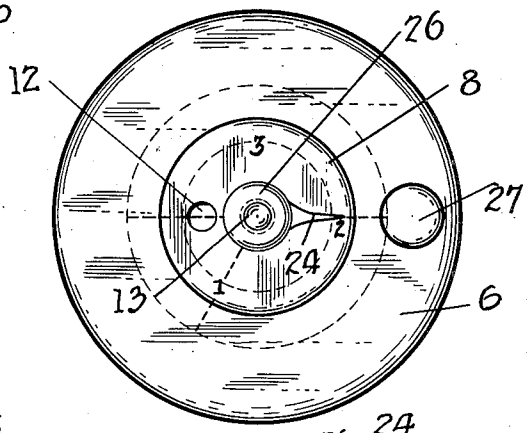


FIG. 4.

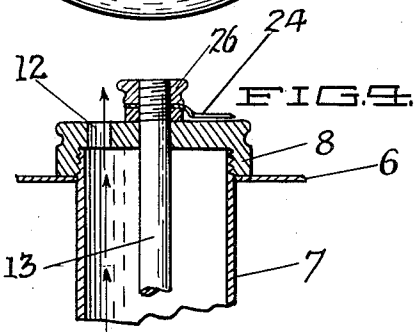
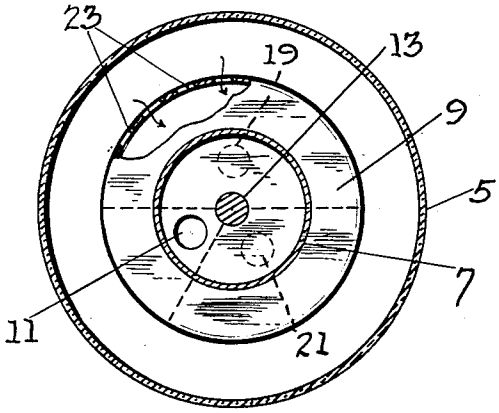


FIG. 3.



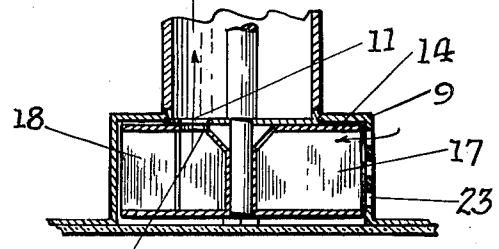
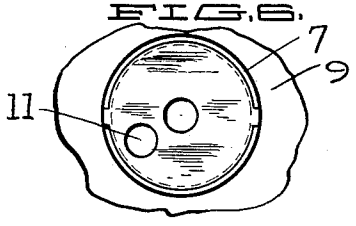


FIG. 6.



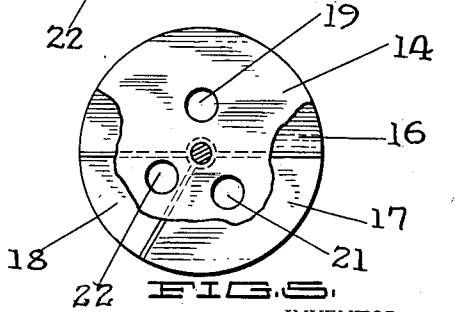


FIG. 5.

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UNITED STATES PATENT OFFICE

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SUGAR DISPENSER

August Asplund, San Francisco, Calif.

Application June 8, 1932. Serial No. 616,140

3 Claims. (Cl. 221—98)

This invention relates to improvements in sugar dispensers.

The principal object of the invention is to produce a dispenser wherein a predetermined quantity of sugar may be dispensed at each actuation thereof.

A further object is to produce a device which is economical to manufacture.

A still further object is to produce a device which may be easily cleaned.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1 is a side elevation of my device showing a portion thereof broken away to disclose the interior thereof,

Fig. 2 is a top plan view of Fig. 1,

Fig. 3 is a cross sectional view taken on the line 3—3 of Fig. 1,

Fig. 4 is a vertical cross section,

Fig. 5 is a top plan view of the measuring rotor, and

Fig. 6 is a bottom plan view of the dispensing tube 7.

Sugar is often placed upon the table in a bowl, with the result that people often use a soiled or wet spoon and consequently the sugar becomes contaminated with food lumps and therefore does not present a pleasing appearance. In the device herein disclosed sugar is entirely sealed against outside contamination. In said device means is provided whereby a definite quantity of sugar may be dispensed at a single operation, as for instance, one teaspoonful, two teaspoonfuls, or three teaspoonfuls, as the case may be.

In the accompanying drawing wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates a container preferably a glass jar having a cover 6, which cover has secured thereto a tube 7 having a threaded cap 8. This tube extends downwardly into the container 5 and has a housing 9 attached to its lower extremity. This housing closes the bottom of the tube 7 with the exception of a port 11, which corresponds to a similar portion 12 formed in the cap 8. A shaft 13 extends through the cap 8 and into the housing 9 and has connected thereto a measuring rotor 14 which have a plurality of chambers 16, 17 and 18, which chambers are each provided with a port 19, 21 and 22, respectively. One side of the housing 9 is perforated as shown at 23. Indicia are formed upon the cap 8 so that a pointer 24 may indicate the position of the various measuring chambers when the rod 13 is turned through the medium of the nut 26. A filling cap is shown at 27 through which the container 5 may be filled.

The operation of my device is as follows:—

Assuming that the parts are assembled as shown in Fig. 1, the cap 27 is removed and a funnel or other similar means is employed for filling the container 5 with sugar. This sugar will flow through the openings 23 and into the compartments 16, 17 or 18, as the case may be, standing in alignment with the openings 23. By now turning the pointer 24 to the desired number of spoonfuls of sugar wished, the compartment containing that quantity will be brought beneath the port 11 and cut off from the perforations 23, the result being that by inverting the container, the sugar will be dispensed from the compartment desired. Assuming that it is the compartment 18, then the sugar will pass through the port 22 and ports 11, tube 7 and port 12. Should it be the compartment 17 the sugar will pass through the port 21, port 11, tube 7 and port 12.

It will thus be seen that I have produced a device which will accomplish all the objects above set forth.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:—

1. In a device of the character described, a container, a housing positioned in said container, rotatable compartments positioned in said housing, a tube extending from said housing and communicating with the apertured cover of said container, said compartments having ports formed therein, said housing having a port formed therein, and means for successively rotating said compartments to align the respective ports of said cover and said housing with one of the ports of said compartments.

2. In a device of the character described, a container, a cover secured to said container, a tube secured to said cover and extending into said container, a cap secured to said tube, a port formed in said cap, a housing secured to the lower extremity of said tube, a port formed in said housing and in alignment with the port in said cap, a rotatable member positioned in said hous-

ing, said rotatable member having compartments, a port formed in each of said compartments, and means for successively moving each of said ports in said compartments into alignment with the port in said housing.

3. In a device of the character described, a container, a cover secured to said container, a tube secured to said cover and extending into said container, a cap secured to said tube, a port formed in said cap, a housing secured to the lower extremity of said tube, a port formed in said housing and in alignment with the port in said cap, a rotatable member positioned in said housing, said rotatable member having compartments, a port formed in each of said compartments, means for successively moving each of said ports in said compartments into alignment with the port in said housing, said means including a rod extending through said cap and said tube, and being secured to said rotatable member.

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