S. E. E. BACHE.

SUGAR CONTAINER AND DISPENSER.

APPLICATION FILED AUG. 9, 1920.

1,386,221.

Patented Aug. 2, 1921.

3 SHEETS—SHEET 1.

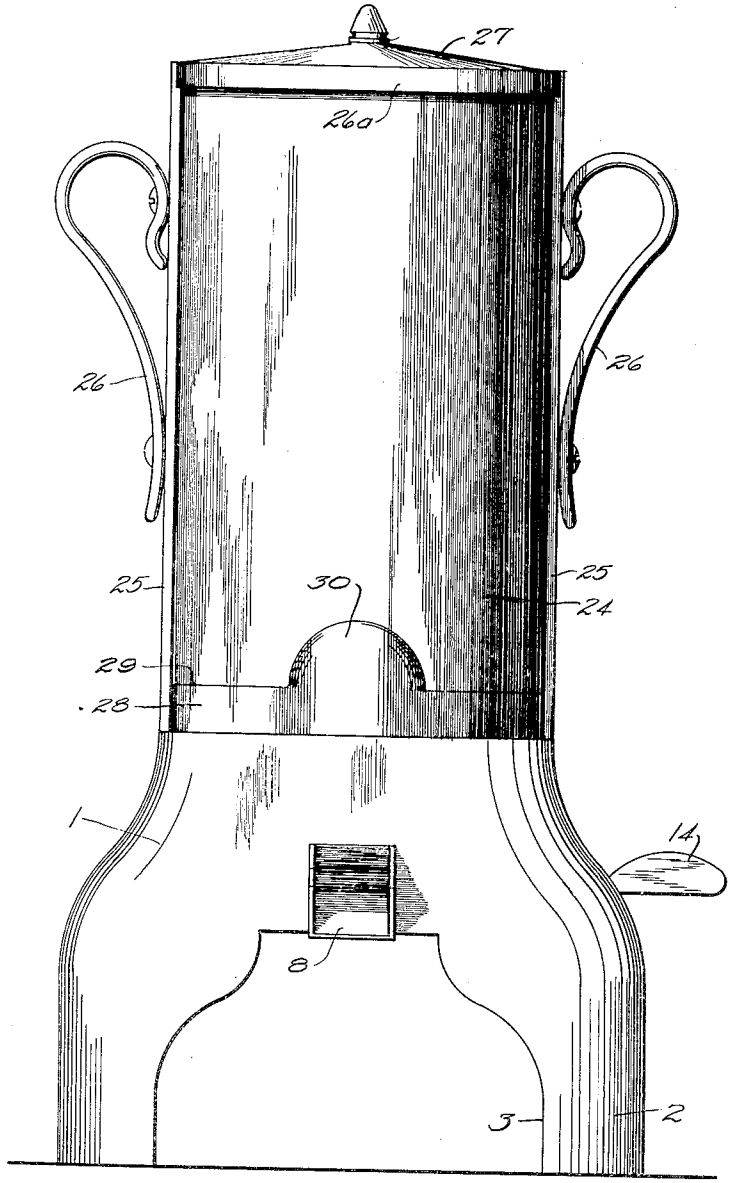


Fig. 1.

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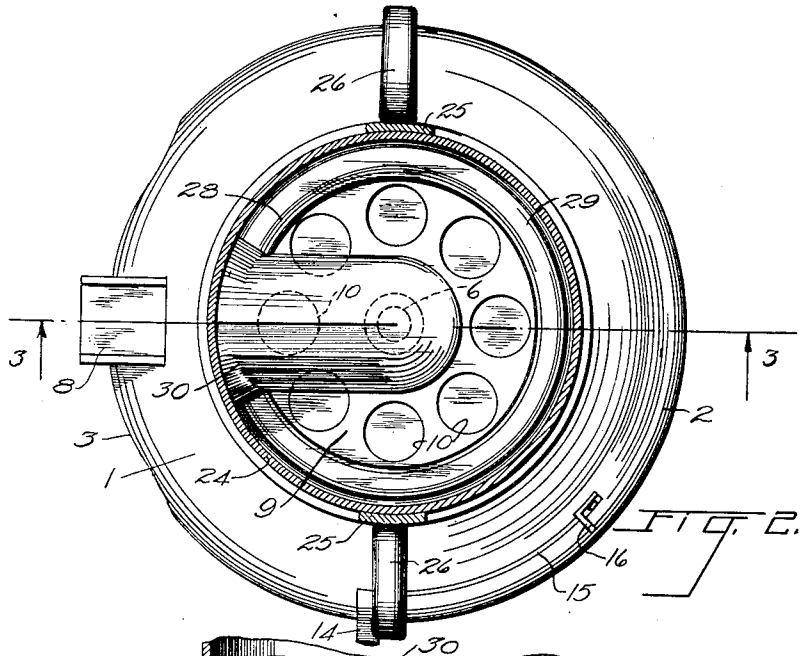


FIG. 2.

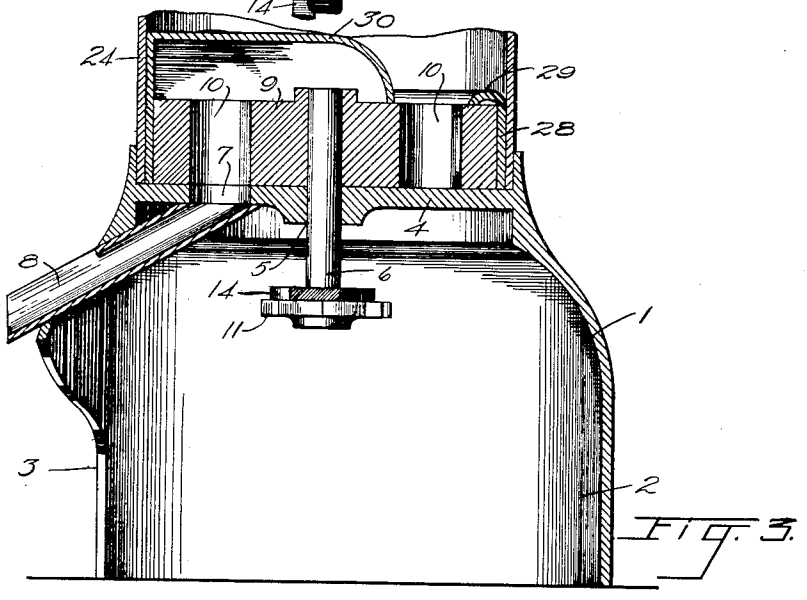


FIG. 3.

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3 SHEETS—SHEET 3.

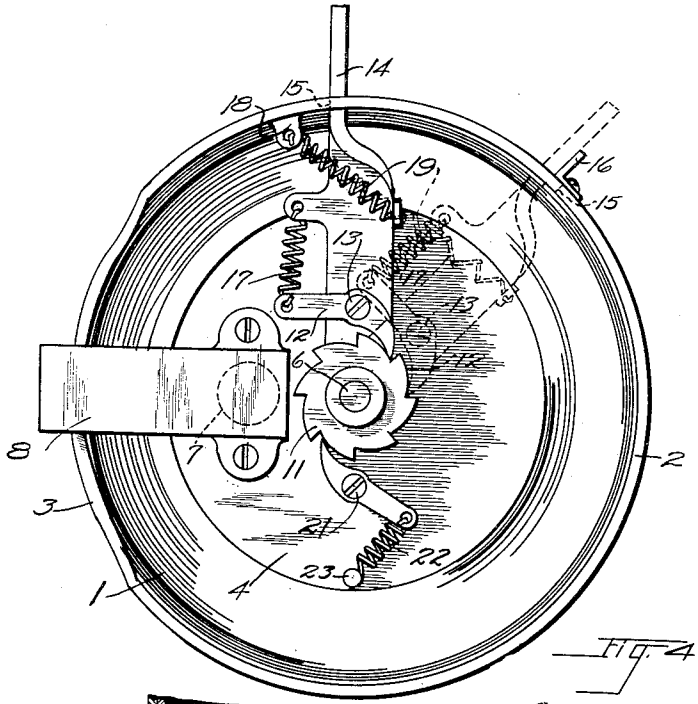


FIG. 4

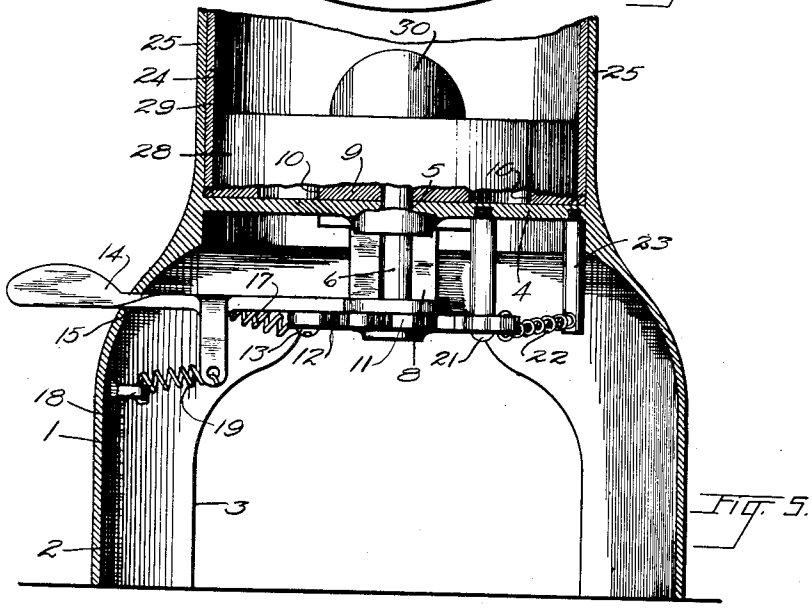


FIG. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

SIGVALD EDMUND ENGELHARDT BACHE, OF CHICAGO, ILLINOIS.

SUGAR CONTAINER AND DISPENSER.

1,386,221. Specification of Letters Patent. Patented Aug. 2, 1921.

Application filed August 9, 1920. Serial No. 402,409.

To all whom it may concern:

Be it known that I, SIGVALD E. E. BACHE, a citizen of Denmark, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sugar Containers and Dispensers, of which the following is a specification.

This invention relates to improvements in sugar containers and dispensers and its chief object is to provide means for economizing in the use of sugar in restaurants, hotels, and public eating places generally. A further object is to provide means for dispensing sugar, for individual use, in a sanitary manner. A further object is to provide means for economically dispensing pulverized sugar in predetermined quantities without waste. With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described, pointed out in the appended claim and illustrated in the accompanying drawings which form a part of this specification and in which—

Figure 1 is a view of my improved sugar container and dispenser in front elevation.

Fig. 2 is a cross section through the same.

Fig. 3 is a vertical sectional view taken on line 3—3 of Fig. 2.

Fig. 4 is an inverted plan view of the device.

Fig. 5 is a vertical sectional view taken at right angles to Fig. 3.

Like reference characters denote corresponding parts throughout the several views.

The reference numeral 1 denotes the stand having the flared base 2 in which the opening 3 is formed. Just below the upper end of the stand I form the partition 4 having the central perforation 5 for the rotary shaft 6 and the perforation 7 that registers with one end of the chute 8 that extends obliquely downward and out through the opening 3 in the said base. The said shaft 6 is secured fast to the feed wheel 9 through the center of which it extends, said feed wheel lying flat upon the partition 4 and being of a diameter but slightly less than that of said partition, said feed wheel being formed with a ring of perforations 10 centered about the shaft-opening therein and said perforations 10 being adapted to register consecutively with the perforation 7 of the said partition.

Fast to the lower end of said rotary shaft 6 is the circular ratchet 11 the teeth of which are adapted for operative engagement by the pawl 12 fulcrumed upon the screw 13 to the hand lever 14 that is fulcrumed to said shaft 6 above the ratchet 11, the free end of said lever 14 extending through an elongated slot 15 in the stand 1, an angle piece 16 secured to said stand at one end of its slot 15 serving as a stop for said lever. A spring 17 connects said lever and the said pawl 12 to retain the latter in engagement with the teeth of the ratchet. By manually moving the free end of the lever from its normal position at the end of the slot 15 adjacent the lug 18, to which member it is flexibly secured by the spring 19, to the end of said slot adjacent the stop 16 the pawl 12 is caused to move the ratchet 11, shaft 6 and feed wheel 9 about the axis of the shaft 6 a distance substantially equal to the distance from the center of one feed-wheel-perforation 10 to the center of the adjacent perforation 10 so that the perforation 10 shown, in Fig. 3, in alinement with the partition perforation 7 would be moved out of such alinement and the next perforation 10 brought into alinement with the perforation 7. The hand lever after each movement into contact with the stop 16 is returned to normal position by the spring 19. After each forward movement of the ratchet, just described, a return movement of the same is prevented by the stop pawl fulcrumed upon screw 21, carried by the partition 4, said stop pawl being connected by spring 22 to the post 23 depending from the partition 4.

Arranged within the upper end of the stand 1 upon the partition 4 is the cylinder-shaped glass drum 24 connected to said stand by the diametrically opposite metal strips 25 to which the handles 26 are secured, said strips 25 being notched to receive the metal ring 26ª that carries the removable cover 27 which serves as a closure for the upper end of said drum. Disposed between the drum 24 and feed wheel 9 upon the partition 4 is a spacer ring 28 which rises above said feed wheel to form the beveled bead 29 and integral therewith upon one side of the drum is the hood 30 that rises substantially above said feed wheel

and projects inwardly thereover covering the shaft-opening in said feed wheel as well as a portion of the face of said wheel, said hood serving as a sugar shed to prevent all of the sugar from running out from the drum through the perforation 10 in alinement with the partition-perforation 7.

In use the drum is filled with sugar, the cover 27 being first removed. A large spoon or other receptacle is placed beneath the outer end of the chute 8. The sugar poured into the drum fills the several feed-wheel-perforations 10. Movement of the lever 14 from the position shown in full lines, Fig. 4, to the position shown dotted will position one feed-wheel-perforation filled with sugar in alinement with the partition perforation 7 when the sugar will run therethrough and through the spout 8 into the container provided. Successive movements of the said lever 14 will position the successive feed-wheel-perforations in alinement with the partition perforation 7 and so withdraw the contents of the drum in a predetermined and sanitary manner.

What is claimed is:—

In a sugar container and dispenser, a stand formed with an elongated slot, a perforated partition in said stand, a chute extending through said stand and registering with the perforated portion of said partition, a feed wheel arranged to rotate upon said partition, said feed wheel being formed with a circle of perforations adapted to register consecutively with the perforation in said partition, a drum arranged upon said partition and extending above said feed wheel, a spacer ring disposed between said drum and feed wheel upon said partition, a sugar shed integral with said spacer ring and projected over a portion of said feed wheel to closely cover any perforation in said wheel while the same is in alinement with the perforation in said partition, a shaft for said feed wheel extending centrally through said partition, a ratchet wheel upon said shaft, and a hand lever fulcrumed to said shaft for engagement with the said ratchet wheel whereby an intermittent movement may be imparted to said shaft, the free end of said lever projecting through the slot in said stand.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two subscribing witnesses.

SIGVALD EDMUND ENGELHARDT BACHE.

Witnesses:

CHARLES E. ROLAND,

JESSIE M. CRUDEN.