H. ROSEN.

SUGAR VENDING MACHINE.

APPLICATION FILED DEC. 2, 1913. RENEWED DEC. 29, 1914.

1,127,520. Patented Feb. 9, 1915.

Fig. 1.

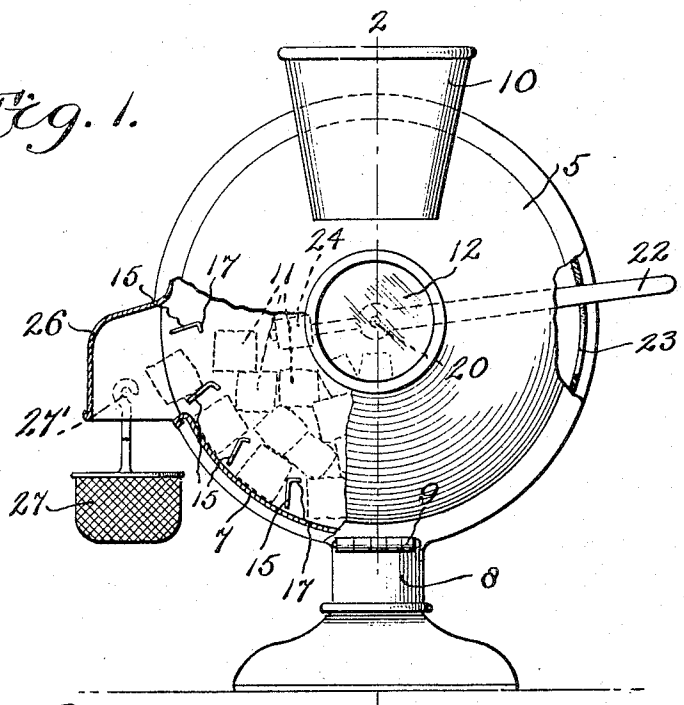


Fig. 2.

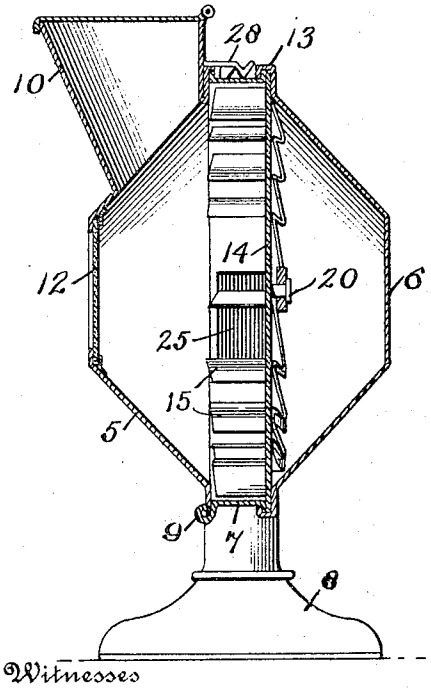


Fig. 3.

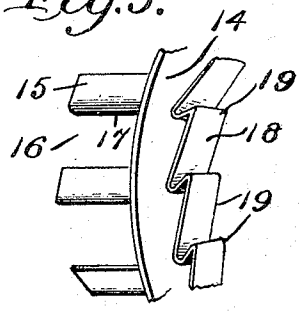
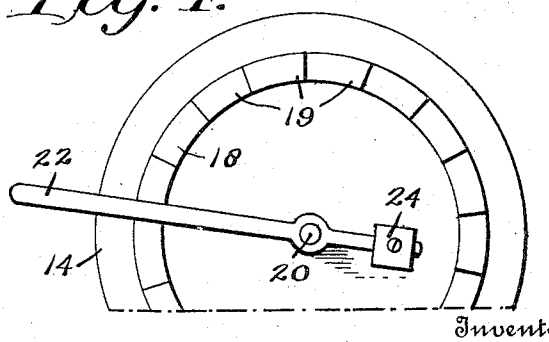


Fig. 4.



Witnesses

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SUGAR-VENDING MACHINE.

1,127,520. Specification of Letters Patent. Patented Feb. 9, 1915.

Application filed December 2, 1913, Serial No. 804,263. Renewed December 29, 1914. Serial No. 879,591.

To all whom it may concern:

Be it known that I, HYMAN ROSEN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Sugar-Vending Machines, of which the following is a specification.

The general objects of this invention are to provide a sanitary container for sugar or the like, especially adapted for use in restaurants, and to prevent the placing of hands in the container when it is desired to partake of the contents. And to these ends the invention consists of a closed receptacle for storing the sugar and means positioned in the said receptacle for dispensing the sugar in pre-determined quantities.

Other objects will appear and be better understood from that embodiment of my invention of which the following is a specification, reference being had to the accompanying drawings forming part thereof, in which:—

Figure 1 is a side elevational view of the device with a portion broken away in order to show a part of the interior. Fig. 2 is a vertical cross-sectional view taken on the line 2—2 in Fig. 1. Fig. 3 is a detail fragmentary perspective of the dispensing member. Fig. 4 is a detail rear elevational view of the dispensing member and its operating arm.

The device as shown in the drawings is preferably formed of two frusto-conical sections 5 and 6, which are joined together by an annular band 7; and are mounted on a standard 8. The section 5 is hinged to the band 7 as at 9, and is provided at its upper end with a hopper 10, for filling the interior of the section with the sugar 11. The section is further provided at its front portion with a centrally located transparency 12, whereby the contents of the receptacle may be readily determined.

As shown in Fig. 2, the section 6 is connected to the band 7 by a turned-over flange 13, and between the flange of the section 6 and the band 7, an annular plate 14 is journaled so that it can be easily rotated. This plate 14 carries on its forward side (which is the side facing the section 5) a series of radially disposed sheefs 15. These sheefs are positioned adjacent to the periphery of the plate and coöperate to form pockets 16. By virtue of the conical shape of the section 5, the sugar will always be in direct contact with the sheefs, and so that only one cube may be carried by one pocket, the edge of the sheefs are bent up as at 17; this bent up portion also facilitates a sugar-tube in filling a pocket when the next preceding pocket is occupied, for, as shown in Fig. 1, the cubes have a tendency to slide over the bent-up portion 17 and enter the succeeding pocket.

Mounted on the rear of the plate 14 and adjacent to the periphery thereof, is an annular rack 18. This rack is preferably formed of one piece, bent so as to provide the teeth 19 and can be affixed to the plate in any suitable manner. Centrally located on the rear side of the plate is a pin 20, upon which is pivoted a lever 21; this lever has a relatively long arm which is adapted to function as a handle 22 and which is also adapted to fit in the teeth 19. Upon the long arm 22 of the lever being pushed downwardly, it rotates the wheel or plate 14, and the distance the arm travels is limited by the length of the slot 23 located in the side of the casing through which the lever arm projects. In order to effect the return of the lever into the next succeeding tooth 19, a weight 24 is mounted on the inner end of the lever which may be relatively short. As the wheel is rotated at predetermined distances, one pocket will always be in register with the opening 25 located in the side of the section 5, and through which falls the cubes of sugar as the filled pockets are progressed into register therewith. This opening is protected by a hood 26, which is disposed downwardly, and the operator of the device may place a hand under the hood, to receive the sugar, or, the sugar can be allowed to drop into the receptacle 27, suspended from hooks 27′ located on the sides of the hood. This receptacle can be disengaged and the sugar may be emptied into the beverage when desired. It will be noted in Fig. 2, that the section 5 can be swung open on the hinge 9. This gives access to the pockets 16 for cleaning and like purposes. The section is held in the closed position by the spring latch 28, which is just lifted and disengaged from the band 7 when it is desired to open the front section.

It is obvious that those skilled in the art may vary the details of construction and arrangements of parts without departing

from the spirit of my invention and therefore I do not wish to be limited to such features except as may be required by the claims.

What is claimed as new is:

1. In a device of the class described, the combination of a casing provided with a hopper and having a discharge opening at one side, a disk journaled within the casing and provided with radially disposed sheefs, a rack mounted on the back thereof, and a weighted lever projecting through the casing and adapted to rotate the disk in pre-determined distances substantially as described.

2. In a device of the class described, a dispensing member comprising a rotatable disk, radially disposed sheefs mounted on one side of the disk and coöperating to form pockets, an annular rack mounted in concentric relation with the periphery of the disk, and a weighted lever pivoted on the disk and adapted to coöperate with the rack for rotating the disk in predetermined distances substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HYMAN ROSEN.

Witnesses:
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GEO. A. BYRNE.