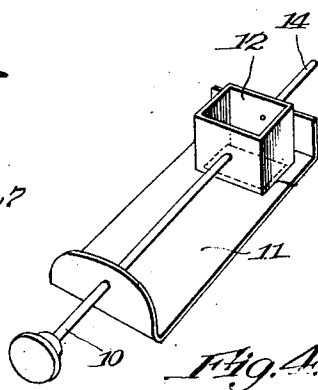
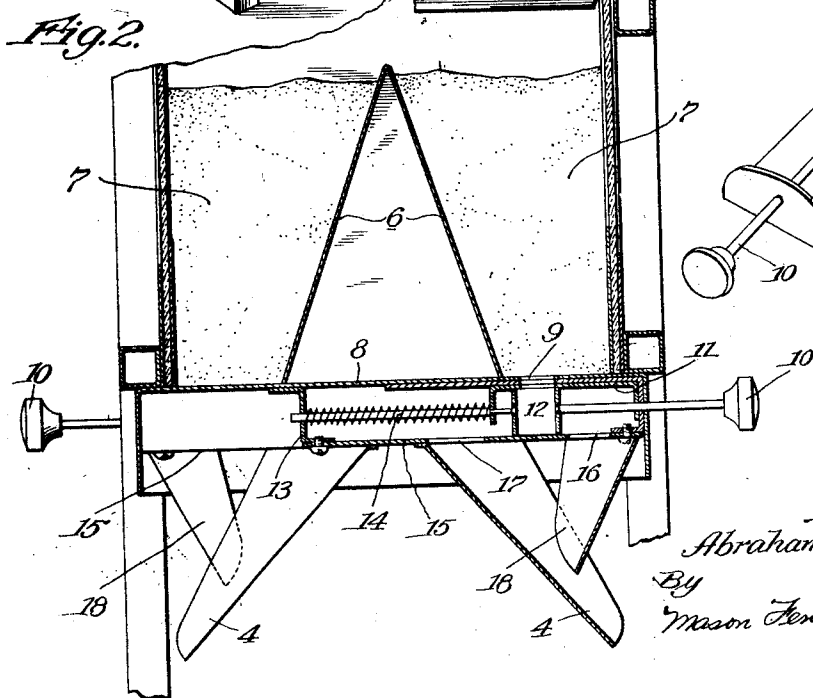
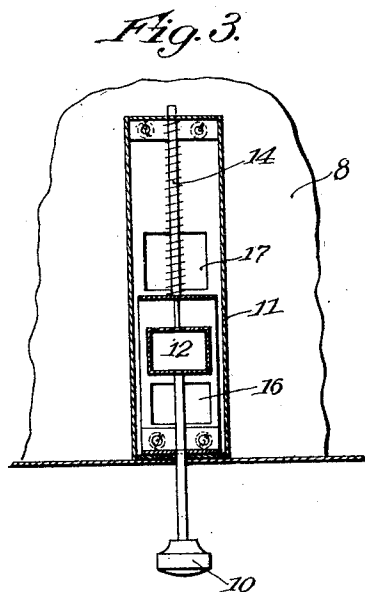
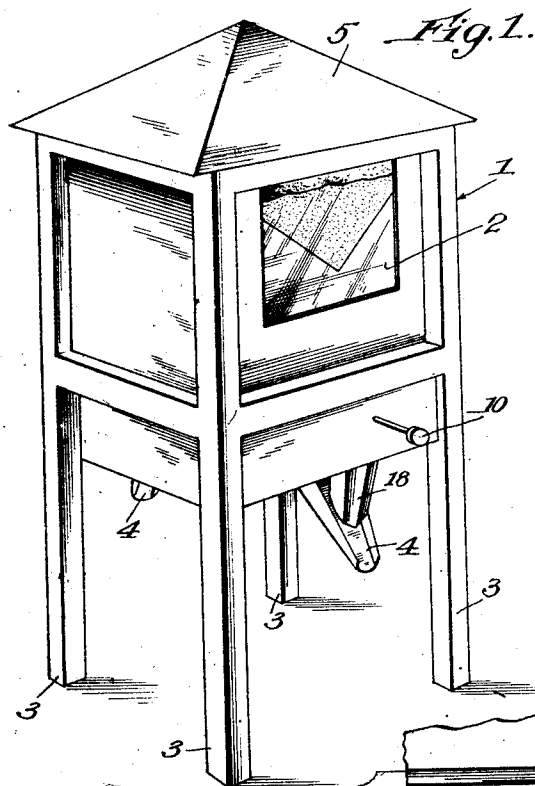


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1,683,563

A. MILBERG
VENDING MACHINE

Filed Aug. 26, 1926



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UNITED STATES PATENT OFFICE.

ABRAHAM MILBERG, OF CHICAGO, ILLINOIS.

VENDING MACHINE.

Application filed August 26, 1926. Serial No. 131,691.

This invention relates to vending machines, and more particularly improvements in sugar vending machines.

The principal object of this invention is to provide means for dispensing a pre-determined amount of sugar.

Another object is to avoid the unsanitary conditions prevalent in lunch rooms and similar places, where sugar is dipped from a common container.

Still another object is to avoid waste which is very common in connection with the use of the ordinary sugar bowl or other dispensing devices.

Still other objects will be described in the specification and drawings.

Referring to the drawings:

Figure 1 is a perspective of a machine proper.

Figure 2 is a vertical section showing the dispensing apparatus.

Figure 3 is a section of the dispensing apparatus removed from the machine proper, and

Figure 4 is a bottom perspective of the apparatus shown in Figure 3.

In the drawings like parts are designated by similar numerals.

N numeral 1 designates a vending machine proper with glass panels 2, leg supports 3, dispensing chutes 4, and a top 5. A partition 6 separates the interior of the machine into compartments 7. In the floor 8 of the respective compartments are ports as shown at 9, a plunger 10 having a shield plate 11 with downturned end flanges mounted thereon and an open-ended receptacle 12, fixedly attached to the plunger 10 beneath an opening in the shield plate 11. The inner end of plunger 10 is slidably supported by bracket 13 and between the bracket 13 and the inner flange of the shield 11 is a coil spring 14 mounted on the plunger 10. Below and spaced from the floor 8 of the compartments 7 is a second floor 15 in which are ports 16 and 17 in front and in rear of port 9. Connecting with port 16 is a chute 18 which empties in turn into a chute 4 connecting with port 17.

As actually used, the compartments 7 will be filled with sugar or like material, the sugar will filter thru port 9 into receptacle 12. A person desiring sugar will push in on plunger

10, which in turn will compress the spring 14 and at the same time move receptacle 12 over port 17. When the container reaches this point the sugar in the container will empty into chute 4 from which the person seeking the sugar will obtain the pre-determined amount. Upon the release of plunger 10 the spring 14, which has been compressed, will force the container back into its initial position directly below port 9 and at the same time will force any sugar which may have filtered thru port 9 through the port 16 and into chute 18 and in turn to chute 4 so that none of the sugar is lost or will collect between the floors 8 and 15.

When the plunger 10 is pushed forward or inwardly and the receptacle moved from beneath the port 9, the shield 11 will move forward and close the port 9 and thus cut off the flow of sugar. The same operation is repeated when sugar is desired from the other compartment.

It is to be understood that this machine may be used for other articles than sugar, and while I have described my invention in the preferred form, it is to be understood that various modifications may be made within the limits of description and that the parts may be varied in proportion and arrangement as shall be determined by the scope of the following claim.

Having thus described my invention, what I claim is:

A sheet metal dispensing machine comprising a container having a bottom provided with a discharge opening, a floor arranged directly under and parallel to said bottom and having dispensing openings displaced laterally on opposite sides of said discharge opening, a plunger slidable between said bottom and floor and having an open ended casing extending therethrough adapted to register with the first named opening and one of the second named openings only, yielding means for holding said plunger with its casing normally in registry with the first named opening, the rear edge of said casing contacting with said floor during movement of the plunger to normal position to scrape excess material from said floor into the other of said dispensing openings.

In testimony whereof I affix my signature.
ABRAHAM MILBERG.