No. 778,515. PATENTED DEC. 27, 1904.

C. W. TREFNY.

DISPENSING CABINET.

APPLICATION FILED JUNE 23, 1904.

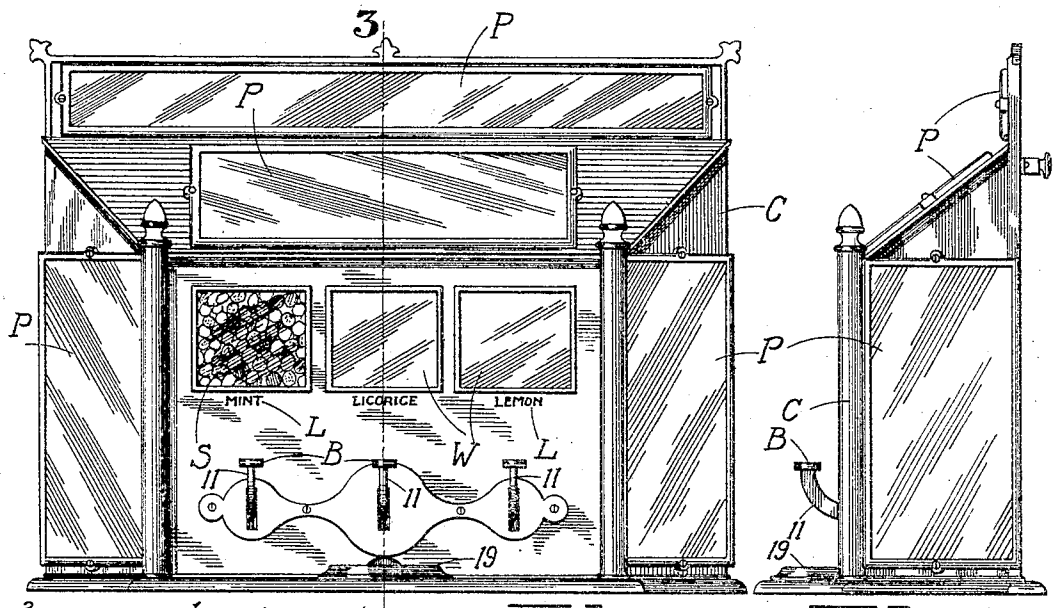


Fig. 1.

Fig. 2.

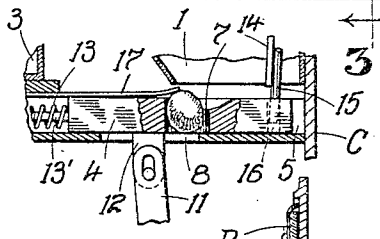


Fig. 7.

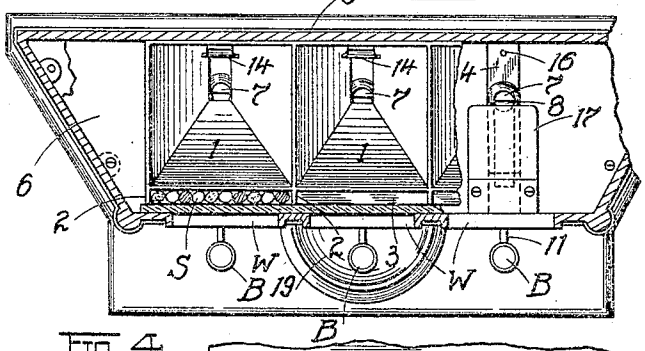


Fig. 4.

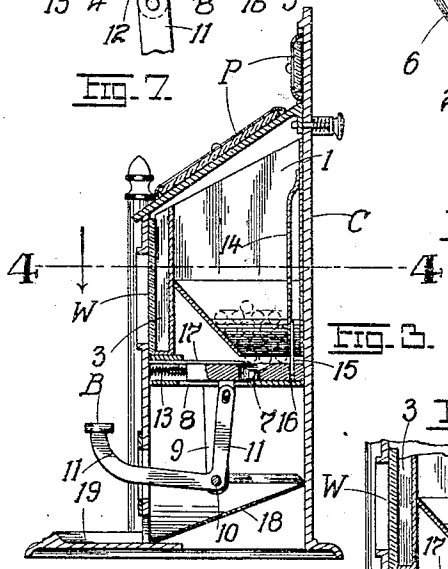


Fig. 3.

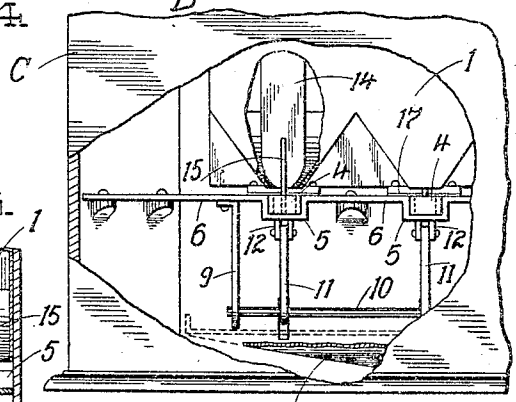


Fig. 6.

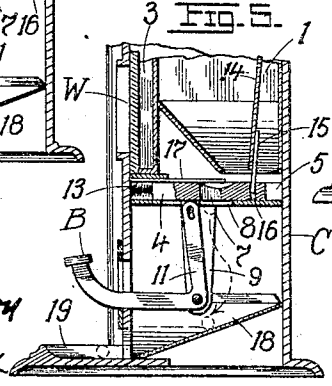


Fig. 5.

Witnesses

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No. 778,515. Patented December 27, 1904.

UNITED STATES PATENT OFFICE.

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DISPENSING-CABINET.

SPECIFICATION forming part of Letters Patent No. 778,515, dated December 27, 1904.

Application filed June 23, 1904. Serial No. 213,890.

To all whom it may concern:

Be it known that I, CHARLES W. TREFNY, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Dispensing-Cabinets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in cabinets for dispensing breath-perfume confections; and it consists in the novel construction and arrangement of parts more fully set forth in the specification and pointed out in the claims.

In the drawings, Figure 1 is a front elevation of the cabinet. Fig. 2 is a side elevation thereof. Fig. 3 is a vertical transverse section on line 3 3 of Fig. 1 with depressing-lever in its normal position. Fig. 4 is a horizontal section on line 4 4 of Fig. 3, the hoppers being in top plan. Fig. 5 is a section similar to Fig. 3, but showing the operating-lever depressed. Fig. 6 is a rear elevation with parts broken away, and Fig. 7 is a sectional detail showing the deflection of the guide-tongue to allow for the delivery of a confection of abnormal size.

The object of my invention is the construction of a cabinet which shall consecutively dispense breath-perfuming confections to be taken after partaking of a drink or after eating in a restaurant or drinking-saloon.

In detail the invention may be described as follows:

Referring to the drawings, C represents a cabinet of any ornamental design and provided with panels P for the reception and display of advertising matter, if desired. The front wall of the cabinet is provided with a series of glass or other transparent windows W, behind which are disposed a series of hoppers 1 for containing the confections. Formed with the front wall of the upper portion of each hopper is a circumscribing ledge or flange 2, which, together with the hopper-wall and the glass plate W, forms a compartment 3 for the introduction of the specimens S of the confections contained in the hoppers. Each window may be provided with a label L, indicative of the flavor of the confection delivered by any particular hopper. The base of each hopper is provided with the usual inclined walls and is closed at the bottom by a sliding or reciprocating gate 4, each gate being confined within a channel or way 5, formed in the base-plate 6, underlying the series of hoppers. The gate 4 is provided with a discharge-opening 7, having flaring or inclined bounding walls, said opening for the outer position of the gate being brought into register with the adjacent end of the elongated delivery-opening 8 at the bottom of the channel 5, as presently to more fully appear.

For any single outward movement of the gate any hopper is adapted to deliver one confection, the gate being actuated in the proper direction by the following mechanism: Disposed below the series of hoppers and below the base-plate 6 and supported between the depending brackets 9 is a rod 10, about which are free to rock a series of bell-crank depression-levers 11, having each a button B for receiving the finger of the operator, the outer arm of each lever projecting through the front wall of the cabinet. The end of the inner arm of each lever is loosely coupled to the ears 12, depending from the gate through the opening 8 of the channel 5. Upon depression of the lever, Fig. 5, the confection resting at the base of the opening 7, Fig. 3, will be brought into position over the opening 8 by reason of the forward movement of the gate, which upon release is immediately forced to its normal position by the resilient action of the spring 13, coiled about the stem 13′, carried by the front end of the gate and confined between the latter and the front wall of the cabinet.

To prevent clogging of the contents of the hopper, I provide a shaking attachment in the form of a yielding blade 14 in the rear of each hopper, one end of the blade being secured to the hopper-wall and the lower end being coupled to the adjacent end of the gate by means of a pin 15, carried by the blade, entering a hole or socket 16 in the gate. With each outward pull of the gate the blade or shaker will agitate the contents, so that the

individual confections may at all times be free to gravitate to the bottom of the hopper. As seen in Fig. 3, a confection resting at the bottom of the opening 7 is in position to be ejected by an outward movement of the gate, it being guided into the delivery-opening 8 by a yielding tongue or guide-plate 17, secured to the base-plate 6 and having its free edge directly over the adjacent end of the discharge-opening 7 of the gate. Should the particular confection be of abnormal size, it will force the tongue or guide-plate to yield upwardly, Fig. 7, whereby it will pass under it with the forward movement of the gate and be effectively discharged through the delivery-opening 8. The confections in droppig from the openings 8 first land on the inclined walls of a pan 18, rolling down to the basin 19, from which they way be abstracted by the fingers of the operator. The virtue of the present apparatus is that it delivers one confection at a time—that is, with each depression of the lever 11—that being sufficient to perfume the breath after eating or drinking.

The details of construction of the cabinet though shown are not herein referred to, as they are well known and form no part of the present invention. I may of course depart from the specific construction herein set forth without affecting the nature or spirit of my invention.

The term "confections" herein is used broadly and is to be understood as contemplating anything which may be the equivalent thereof or any substitute therefor.

Having described my invention, what I claim is—

1. A dispensing-cabinet having one or more hoppers for containing confections, a sliding gate for normally closing the bottom of each hopper, a base-plate for the gates, the latter having discharge-openings adapted to register with delivery-openings formed in the base-plate, a bell-crank lever for actuating each gate in one direction, a spring for returning the gate to its normal position, and a shaking-blade or agitator for the hopper contents, located in the rear of the hopper and having its lower end coupled to the gate, substantially as set forth.

2. A dispensing-cabinet having one or more hoppers, a sliding gate for normally closing the bottom of each hopper, a base-plate having a channel for guiding and receiving each gate, the latter and the base of the channel having openings adapted to register for one of the extreme positions of the gate, a resilient tongue or guide-plate located above each gate and having its free edge adjacent to the discharge-opening of the gate, and means for actuating the gate in one direction from the outside of the cabinet, substantially as set forth.

3. A confection-dispensing cabinet having a series of hoppers, spring-controlled sliding gates closing the mouths of the hoppers, a base-plate having channels for the reception of the gates, the latter as well as the bottoms of the channels being provided with openings adapted to register with the withdrawn positions of the gates, a series of bell-crank levers one arm of each of which projects through the front wall of the cabinet, and the free end of the opposite arm being loosely coupled to the adjacent gate through the opening of the channel receiving the same, a yielding guide-tongue located in the path of the movement of each gate and of the discharge-opening formed therein, a suitable shaker or agitator coupled to each gate, a pan having inclined walls for receiving the confections as discharged from the hoppers, and a single basin formed in the cabinet to which said confections are conveyed, substantially as set forth.

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

CHARLES W. TREFNY.

Witnesses:
EMIL STAREK,
MARY B. BELT.