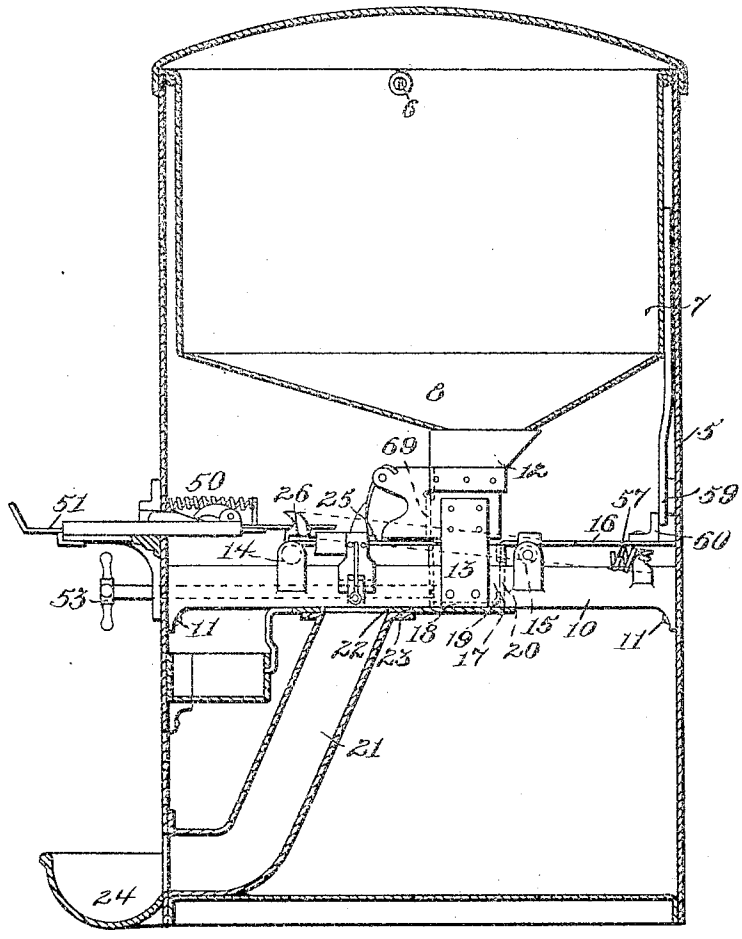
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G. C. ELLIOTT.

VENDING APPARATUS.

APPLICATION FILED AUG. 18, 1904.



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No. 778,479. Patented December 27, 1904.

UNITED STATES PATENT OFFICE.

GEORGE C. ELLIOTT, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO LOUIS O. TAFEL, OF BROOKLYN, NEW YORK.

VENDING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 778,479, dated December 27, 1904.

Application filed August 18, 1904. Serial No. 221,246.

To all whom it may concern:

Be it known that I, GEORGE C. ELLIOTT, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Vending Apparatus, of which the following is a specification.

This invention has reference generally to that class of apparatus by which certain commodities are automatically released and delivered when portions of the mechanism are permitted to operate through a release effected by the introduction of a proper coin.

Generally speaking, therefore, the invention contemplates the embodiment of a receptacle adapted to contain the commodities to be vended and a mechanism for automatically dispensing such commodities.

This invention further comprehends in the present instance the movement of the commodity receptacle or hopper in connection with the movement of the dispensing apparatus, whereby it will not be competent for the commodities to choke or become keyed together within the receptacle in such a manner as to prevent their delivery.

While comprehending the adaptation of this invention to the dispensation of various commodities, and for which purposes the invention may be embodied in various constructions so long as the principle hereof explained is adhered to, I have for convenience of illustration and explanation shown an embodiment hereof in an apparatus adapted more particularly for vending peanuts or similar articles whose configuration is rather uneven and whose sizes vary. Such embodiment of this invention is illustrated on the accompanying sheets of drawings, whereon the figure illustrates an elevational view of the entire apparatus partly in section.

In the figure similar characters of reference indicate corresponding parts.

Within the cabinet 5 may be pivoted, for instance, at 6 a hopper 7, the pivoting of the hopper being preferably such that said hopper will normally lean toward what might be here termed the "front" of the cabinet. Located beneath this hopper 7, which in the present instance may be provided with an inclined bottom 8, is a dispensing mechanism, mounted for movement upon beams 9 and 10, respectively, which in the present instance may be secured by bolts 11 to the wall of the cabinet. This mechanism in the present instance may comprise a hopper 12, mounted on said beams 9 and 10, respectively, and which in the present instance may be secured thereto by standards 13. Also movably mounted on said beams 9 and 10, respectively, and preferably upon rollers 14 and 15, suitably supported thereby, is a longitudinally-reciprocating plate 16, which in the present instance is provided with a pocket 17, adapted when the plate 16 is in normal position to register with the mouth of the hopper 12, and this pocket 17 may be provided with a drop-bottom 18, suitably hinged, as at 19, to the wall 20 of such pocket, and this bottom is permitted to drop into a chute 21 when it passes beyond an edge 22 of an opening (not shown) in a plate 23, mounted on the under side of said beams, whereby the contents of such pocket will be delivered through the chute 21 into a receptacle 24, which in the present instance is attached to the outside of the casing 5. This longitudinally-movable member 16 in the present instance has movably mounted thereupon a locking device, designated in a general way by 25 and which is suitably pivoted at 26 to the plate 16 and which may be suitably connected with a coin-controlled mechanism, indicated in a general way by 50, which may be of any suitable construction and which is mounted in the framework of the cabinet 5. When a coin is deposited in a coin-receptacle 51, which releases the coin-controlled mechanism 50, the lock 25 is released, when a pull on the handle 53, extending outside of the casing 5, will draw the plate 16 forward until the drop-bottom 18 of the pocket 17 falls into the mouth of the chute 21.

As has been remarked, I so pivot the hopper 7 by pivots 6 to one side of the center line of said hopper that the latter has a tendency to lean against the front of the casing 5, but which is held in an equalized position by a leg 59, suitably secured thereto, and which

communicates with the edge 60 of the plate 16. When the plate 16 is drawn forward, the hopper will lean against the front portion of the casing and the leg 59 will project at an angle, whereupon when the plate is released by the hand and retracted to its normal position by springs 56 and 57 the force of the latter is sufficient to cause the plate 16 to strike against said leg 59 with considerable force, when the hopper 7 will receive a shock sufficient to loosen any packing, choking, or arching that may have taken place in the hopper. Thus, as will be seen, if the commodity within the hopper 12 moves along with the plate 16 the wall 69 will so give, as shown in dotted lines on the figure, as to prevent the crushing of such commodity.

As having before pointed out, the particular application of the invention herein shown constitutes only an embodiment of such invention and is in no wise to be construed as limiting this invention to the precise construction shown, and even in the embodiment set forth herein the precise construction and arrangement of parts need not be strictly adhered to, but may be modified or rearranged according to the best mechanical skill and judgment without departing from the spirit of the invention.

Having thus described my invention, I claim—

1. In a vending apparatus, the combination with a casing, of a pivoted receptacle therein, a leg extending from said receptacle, a hopper communicating with said receptacle, a delivery-chute, and an intermediate spring-actuated delivery device adapted upon retraction to coöperate with said leg and shake the receptacle.

2. In a vending apparatus, the combination with a casing, of a rocking receptacle, a leg secured thereto, a hopper communicating therewith, a delivery-chute, and an intermediate spring-actuated delivery member, and means carried by said member to coöperate with said leg thereby to vibrate the receptacle on retraction of the delivery member.

3. In a vending apparatus, the combination with a casing, of a pivoted vibrating receptacle, a hopper communicating therewith, a delivery-chute, an intermediate spring-actuated delivery member, a leg carried by said receptacle and said member communicating with said leg upon the retraction of the former thereby to vibrate the receptacle.

4. In a vending apparatus, the combination with a casing, a pivoted vibrating receptacle therein, a leg carried thereby, a longitudinally-movable spring-actuated delivery mechanism, means carried by said mechanism for contacting with said leg upon the retraction of said mechanism thereby to vibrate said receptacle.

Signed at Nos. 9 to 15 Murray street, New York city, New York, this 16th day of August, 1904.

GEORGE C. ELLIOTT.

Witnesses:

FRED. W. BARNACLO,

JOHN O. SEIFERT.