

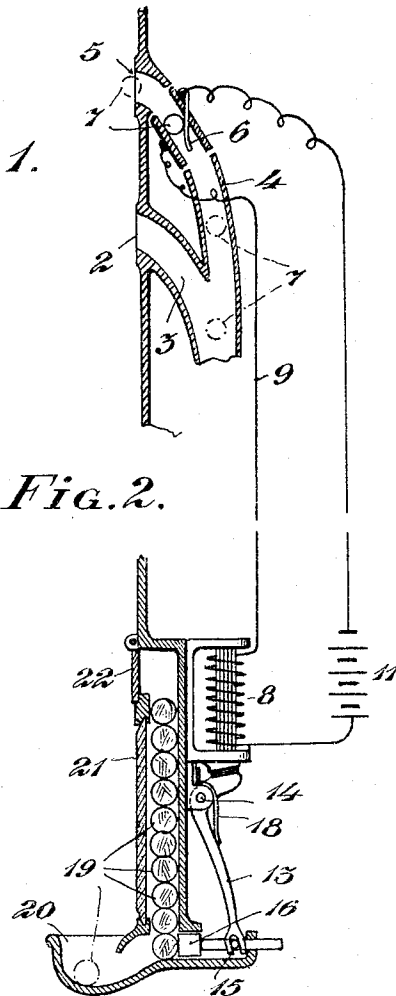
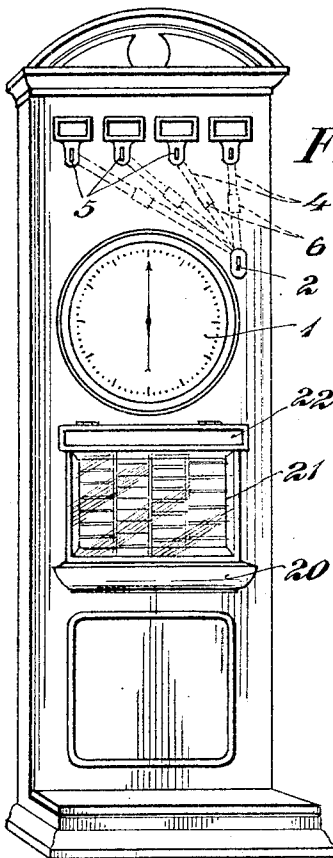
June 27, 1933.

M. ROSKIN ET AL

1,916,074

COMBINATION OF AUTOMATIC WEIGHING SCALES AND SALES APPARATUS

Filed March 9, 1931



INVENTORS

Mauricio Roskin
Julio Dayenoff
by Henry Orth
ATTORNEY

UNITED STATES PATENT OFFICE

MAURICIO ROSKIN AND JULIO DAYENOFF, OF BUENOS AIRES, ARGENTINA
COMBINATION OF AUTOMATIC WEIGHING SCALES AND SALES APPARATUS

Application filed March 9, 1931, Serial No. 521,344, and in Argentina August 18, 1930.

Our invention relates mainly to the combination of automatic weighing scales with means which, when a weighing operation is performed, simultaneously deliver any kind of articles sold by druggists, confectioners or grocers, packed in tubes, boxes or wrappers of small size.

This invention will be a means of inducing the public to buy the articles in exhibition at the scale, as this latter will function gratuitously during each sale. As articles will be concerned, the value of which will not exceed 10 cents, such as for example tablets, chocolates and similar goods, it may be said that these can be bought without more expense than is at present necessary to start the weighing operation of a common scale.

An illustrative embodiment of this invention is shown by the accompanying drawing, in which:

Figure 1 shows, in frontal elevation, a scale provided with electric means for the automatic delivery of different articles.

Figure 2 shows said automatic delivery means in combination with the working of the scale.

In said drawing 1 is the face of a common scale, the aperture of which 2 into which generally the coin is put, can be shut. Furthermore, there exists a conduct 3 and this has connections with the conducts 4 which correspond with the respective openings 5. The passage of each conduct is intercepted by a contact 6 which, as shown in Figure 2, must be touched and raised inflexibly by the coin 7 during its travel to conduct 3. By this means, an electric current circuit derived from a battery 11, the house-line or any other source, is established through an electro-magnet 8 and conductors 9 and 10. When a coin passes contact 6, core 12 is energized and this attracts immediately the upper branch of lever 13 which, turning on pin 14, causes the inferior fork 15 to raise the buffer 16 to the position shown in Figure 2. As soon as the coin is past contact 6, the circuit is interrupted, the electro-magnet ceases to operate and lever 13 advances by means of spring 18 buffer 16 which causes the wrapper, box or tube containing the sold article 19 to drop into

receptacle 20. Under these conditions, buffer 16 closes the aperture of the storage space for said goods, impeding thus further delivery.

So as to exhibit to the public the articles which the scale is delivering, these have been piled up behind a glass screen 21 at the upper part of which has been disposed a tiltable door 22 having a safety lock which serves for refilling the storage space in which the articles are piled up.

As is obvious, the delivery system can be applied to any scale, and the shape and exterior decoration, as well as the dimensions of the container and the number of different products which are delivered by each apparatus, can vary, as may appear convenient.

We claim:

In a coin-controlled vending machine of the type in which an article ejecting mechanism is actuated upon closing of an electric circuit, an article magazine positioned at the front of the machine, an electro-magnet connected adjacent the inner wall of said article magazine, a reciprocating ejector adjacent the bottom of the said magazine, said ejector normally positioned to close the bottom of said article magazine, a bell-crank lever pivoted on the inner wall of said article magazine adjacent said electro-magnet, one arm of said bell-crank lever being operably connected to said ejector, the other arm of which comprises an armature, said electro-magnet being positioned for direct coaction with said bell-crank lever upon closing of said electric circuit, a resilient means connected between said article magazine and said bell-crank lever for disconnecting the bell-crank lever from the electro-magnet and returning the latter and said ejector to their normal positions.

MAURICIO ROSKIN.
JULIO DAYENOFF.