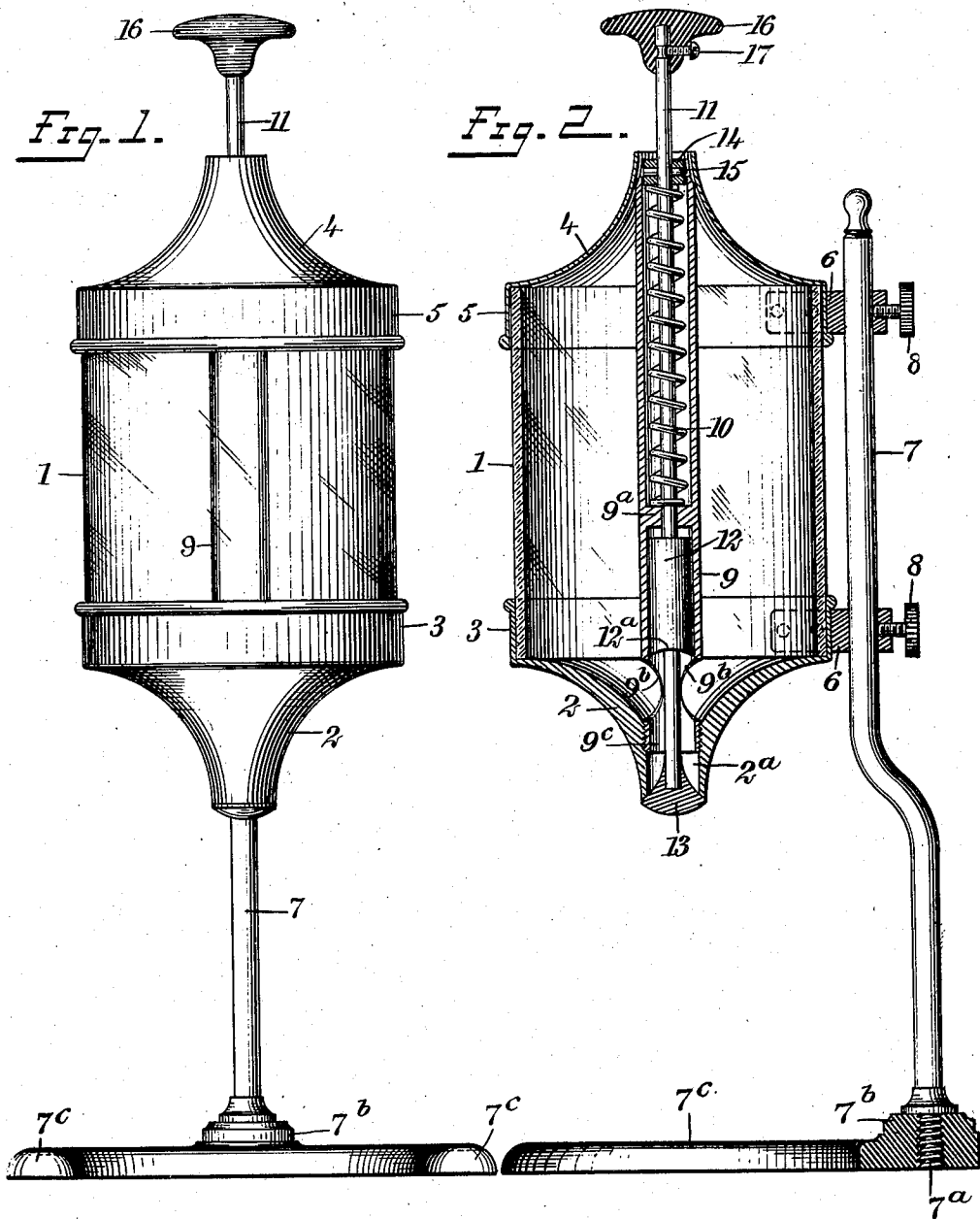


No. 853,769.

PATENTED MAY 14, 1907.

O. CAVIGLIA.
DISTRIBUTING DEVICE.
APPLICATION FILED AUG. 30, 1906.



WITNESSES
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OCTAVIO CAVIGLIA, OF HABANA, CUBA.

DISTRIBUTING DEVICE.

No. 853,769.

Specification of Letters Patent.

Patented May 14, 1907.

Application filed August 30, 1906. Serial No. 332,627.

To all whom it may concern:

Be it known that I, OCTAVIO CAVIGLIA, a subject of the King of Spain, and a resident of Habana, Cuba, have invented a new and Improved Distributing Device, of which the following is a full, clear, and exact description.

My invention has for its object to provide means adapted to contain commodities of various kinds, and to discharge such commodities as desired in predetermined quantities. This I accomplish by the means illustrated in the accompanying drawings, in which drawings like characters of reference indicate like parts throughout the views, and in which

Figure 1 is a side elevation of a device embodying my invention; and Fig. 2 is a central vertical section of the same.

As illustrated in the drawings, 1 represents the shell of a receptacle which is preferably made of transparent material, such as glass, and cylindrical in form. The receptacle is provided with a bottom 2 having a hub formed on its lower central portion provided with an aperture 2^a and a top 4, each of which is preferably curved vertically and horizontally, as shown in the drawings. The bottom 2 is provided with a flange 3 adapted to overlap the lower end of the cylinder 1, and the top 4 is provided with a similar flange 5. The lower end of the cylinder 1 is preferably cemented or otherwise permanently secured to the flange 3 of the bottom 2, while the flange 5 of the top 4 is secured to the upper end of the cylinder so as to permit the top to be readily removed and thereby enable the mechanism of the interior of the receptacle to be removed and cleaned. A tube 9 is provided with a threaded lower end 9^c having a threaded engagement with the hub of the bottom 2 of the receptacle. The lower portion of the tube 9 above the end 9^c is cut away preferably in a curved line 9^b so as to form apertures on the opposite sides of such portion of the tube. The curved line 9^b is convergent at its lower portion with the surface of the bottom of the receptacle so as to make the edge of the aperture of the tube 9 flush with the bottom surface of the receptacle, and thereby prevent the contents of the receptacle from lodging around that portion of the tube. The tube 9 is also provided with an interior annular shoulder or flange 9^a forming a bearing for a spring 10 mounted upon said flange.

The upper end of the spring 10 is secured in place upon the rod 11 by means of a washer 14 secured to the rod 11 by a pin 15 extending through the washer and rod 11. The upper end of the rod 11 is provided with a push button 16 secured to said rod by means of a set screw 17. A plunger 12 is secured to the lower portion of said rod, the diameter of which is equal to the inner diameter of the tube 9. The lower portion 12^a of the plunger 12 is preferably inclined from the outer edge inwardly to the rod 11. The lower extremity of the rod 11 is provided with a conical head 13 which is adapted to bear against the lower extremity of the bottom 2 of the receptacle so as to close the aperture 2^a formed in said bottom and prevent the contents of the receptacle from passing out through said orifice while the head 13 is in contact therewith.

Brackets 6 are secured to the flanges 3 and 5 of the bottom and top of the receptacle and are provided with suitable apertures adapted to engage a bar 7 and to be secured thereto by means of set screws 8, by means whereof the receptacle may be adjustable vertically on said bar and to be entirely removed therefrom, if desired. The lower end of the bar 7 is adapted to be secured to a base having a hub 7^b by means of a threaded end 7^a of the bar 7 engaging therewith. Laterally extending feet 7^c are formed on the hub 7^b and are adapted to support the bar 7 and the receptacle secured thereto.

This device is adapted to be used with materials of various kinds, but is especially adapted to contain sugar and to measure out the desired amount for a cup of coffee without handling the bulk of the sugar contained in the receptacle. It is also adapted to be used for discharging pulverized soap and other materials in desired quantities. I prefer to mount the receptacle upon a portable base, such as shown in the drawings, so as to enable the receptacle to be placed upon a table or removed therefrom, but in some instances I prefer to attach the receptacle to a bracket secured to a wall, such a bracket to consist of a bar similar to the bar 7 having one end thereof secured to the wall instead of to a portable base. When the device is in use the top 4 is removed from the receptacle and the contents inserted within the cylinder 1. The cover may then be placed in position on the upper end of the cylinder. The

apertures 9^b of the tube 9 opening into the interior of the cylinder permit the material within the cylinder to enter through said apertures and into the chamber 2^a formed in the bottom of the receptacle and in the lower portion 9^c of the tube 9. The area of such portions of the receptacle may be regulated by adjusting the tube 9 vertically by means of its threaded end so as to hold the desired quantity of material. As the rod 11 is pressed downward by means of the push button 16 the plunger 12 descends in the tube 9 thereby removing its conical lower head 13 from engagement with the lower extremity of the bottom of the receptacle and opening the aperture 2^a, while the plunger 12 forces out the material contained in the aperture 2^a of the bottom of the receptacle and in the lower portion 9^c of the tube 9.

20 Having thus described the preferred form of my invention; what I claim as new and desire to secure by Letters Patent is:-

1. The combination with a receptacle having a bottom provided with a central aperture and curved vertically and horizontally, and a top detachably secured to the body of said receptacle, of a tube having an open end secured to the bottom of the receptacle and provided with lateral apertures and an interior shoulder, a reciprocating rod

having a bearing on said shoulder and provided on its end with a head adapted to close the aperture of said bottom, a plunger secured to said rod on one side of said shoulder, and a spring secured to said rod on the opposite side of said shoulder, substantially as shown and described. 35

2. The combination with a receptacle having a bottom curved or inclined vertically toward its center, and provided with a central hub and an aperture extending through said hub, of a tube having an open end secured to the hub of said bottom and provided with lateral apertures convergent at their lower edge with the bottom of said receptacle, and an interior shoulder, a reciprocating rod having a bearing on said shoulder and provided with a head adapted to close the aperture in the bottom of said receptacle, a plunger secured to said rod on one side of said shoulder, and a spring secured to said rod on the opposite side of said shoulder, substantially as shown and described. 45

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 55

OCTAVIO CAVIGLIA.

Witnesses:

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OLIVER H. HASTINGS.