M. TOMASZSWSKI.

CUSPIDOR.

APPLICATION FILED JULY 27, 1911.

1,010,095. Patented Nov. 28, 1911.

Fig. 1.

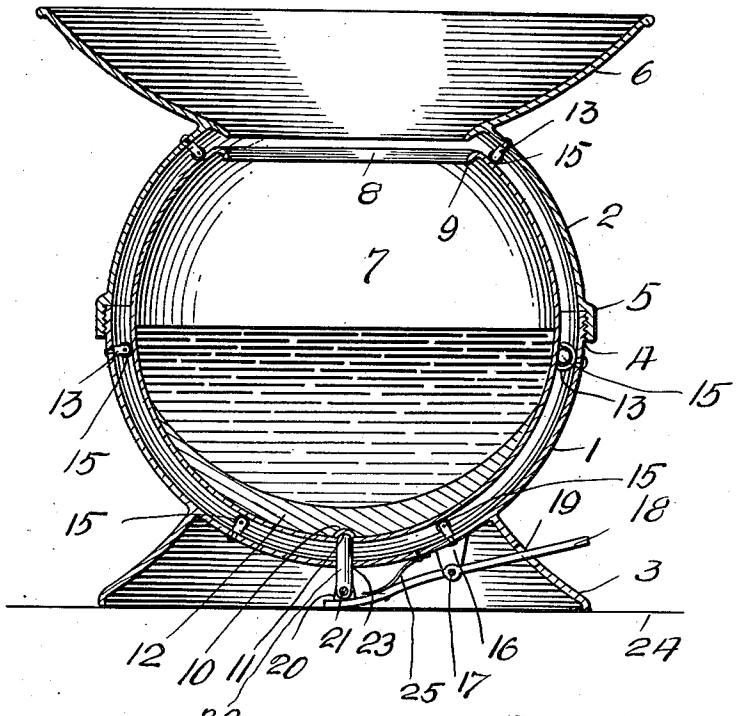


Fig. 2.

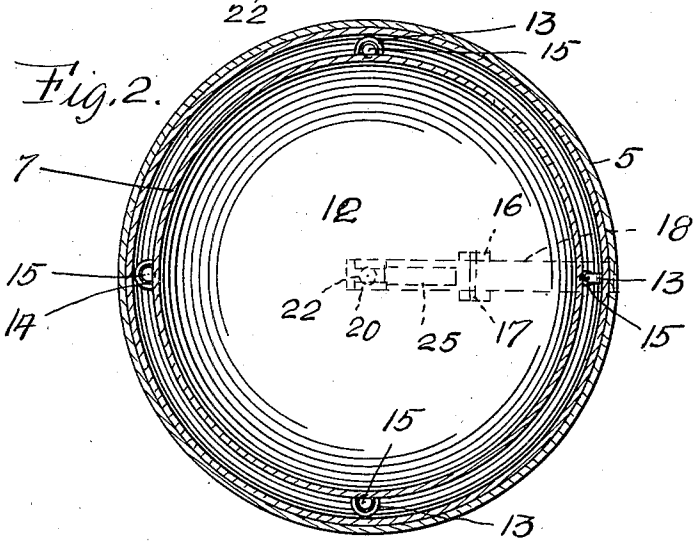
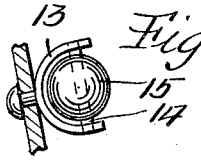


Fig. 3.



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CUSPIDOR.

1,010,095. Specification of Letters Patent. Patented Nov. 28, 1911.

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To all whom it may concern:

Be it known that I, MARYAN TOMASZSWSKI, subject of the Czar of Russia, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Cuspidors, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to cuspidors, and the objects of my invention are to provide a cuspidor that can be advantageously used in depots, theaters and other public places where pedestrians are liable to tilt or upset cuspidors and ruin or mar a floor, and to provide positive and reliable means, in a manner as will be hereinafter set forth, for closing the inlet of a cuspidor whereby the contents thereof will be retained within the cuspidor.

Further objects of my invention are to accomplish the above results by a gravity receptacle arranged within a cuspidor shell or casing, and to furnish novel means whereby the gravity receptacle can readily shift when the cuspidor shell or housing is tilted or upset.

With the above and other objects in view, the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a vertical sectional view of a cuspidor in accordance with this invention, Fig. 2 is a horizontal sectional view of the same, and Fig. 3 is an enlarged detail elevation of one of the anti-frictional bearings for the gravity receptacle.

A cuspidor in accordance with this invention comprises an outer shell or housing having a substantial base and funnel-shaped mouthpiece. The shell or housing is made in two sections or parts whereby it can be easily cleaned and maintained in a sanitary condition. Within the shell or housing there is a gravity receptacle that is adapted to receive matter deposited in the funnel-shaped mouthpiece of the shell or housing, and the receptacle is normally locked from movement, but the lock is of such a nature that when the shell or housing is tilted that the receptacle is released to swing by gravity and prevent the contents of the cuspidor from being upset.

The shell or housing of the cuspidor comprises semi-cylindrical sections 1 and 2, the section 1 having a frusto-conical shaped hollow base 3 adapted to normally support the section 1 in a horizontal position. The upper edges of the section 1 are exteriorly screw threaded, as at 4 and adapted to engage the screw threads is the interiorly screw threaded offset annular flange 5 of the section 2. The top of the section 2 is formed integral with a funnel-shaped mouthpiece 6 having the lower end thereof extending into the section 2 and the upper or mouth end thereof of a greater diameter than the body of the cuspidor.

Arranged within the outer shell or housing is a movable spherical-shaped receptacle 7 having the upper end thereof provided with an opening corresponding in diameter to the opening at the lower end of the funnel-shaped mouthpiece 6. The material bordering upon the opening 8 is reamed or flanged inwardly, as at 9, and the bottom of the receptacle 7 has an indentation 10 providing a socket 11. The side of the receptacle 7, at the bottom thereof, has a cup-shaped weight 12 adapted to normally retain the receptacle in a vertical position.

To movably support the spherical receptacle 7 within the outer shell or housing of the cuspidor with a minimum degree of friction, the sections 1 and 2 of the outer shell or housing are provided with anti-friction bearings, consisting of swiveled yokes 13 and arranged transversely of said yokes are pins 14 upon which are revolubly mounted anti-friction balls 15. The balls 15 are adapted to engage the outer sides of the spherical receptacle, and a sufficient number of these anti-friction bearings are employed to support the spherical receptacle centrally of the outer shell or housing of the cuspidor.

The bottom of the section 1, within the base 3, is provided with depending bearings 16 and pivotally mounted between said bearings by a pin 17 is a lever 18. The outer end of the lever 18 extends through an opening 19 provided therefor in the base 3, whereby said lever can be easily moved. The inner end of the lever 18 has an apertured bearing 20 connected by a pin 21 to a vertical pin 22, said pin extending through an opening 23 provided therefor in the bottom of the section 1 and into the socket 11 formed by the indentation 10. The inner end of the lever 18 is normally retained in engagement

with the floor or support 24 of the cuspidor by a flat spring 25, secured to the section 1 and engaging the upper side of the lever 18.

The weighted bottom of the spherical receptacle 7 normally maintains the opening 8 of said receptacle in alinement with the opening of the funnel-shaped mouthpiece 6, whereby spittle or other matter deposited in the funnel-shaped mouthpiece will enter the spherical receptacle 7. The receptacle 7, under ordinary conditions, is locked by the pin 22 and cannot shift within the outer shell or housing of the cuspidor.

When the cuspidor is tilted or upset, the inner end of the lever 18 is released and the tension of the spring 25 is sufficient to move the pin 22 out of the socket 11, thereby releasing the spherical receptacle 7 and allowing the same to swing by gravity within the outer shell or housing of the cuspidor, thereby maintaining the receptacle 7 in a position that will prevent the contents thereof from being spilled or upset.

It is through the medium of the detachable sections 1 and 2 that the interior of the cuspidor can be thoroughly cleansed and maintained in a sanitary condition, that the spherical receptacle 7 can be removed and emptied, and that the anti friction bearings can be easily installed when manufacturing the cuspidor.

The lever 18 and its appurtenant parts constitutes a locking device for holding the receptacle 7 when the cuspidor is in proper position and in use.

What I claim is:—

A cuspidor comprising a housing having semi-cylindrical sections detachably connected together, a hollow base supporting one of said sections, a funnel-shaped mouthpiece carried by the other of said sections, anti-friction bearings carried by the sections of said housing upon the inner sides thereof, a spherical receptacle movably supported by said bearings and having the bottom thereof weighted and adapted to normally maintain the opening of said receptacle in alinement with the opening of said funnel-shaped mouthpiece, a lever pivotally supported within the base of said cuspidor and protruding therefrom, a pin pivotally supported by the inner end of said lever and adapted to extend into said housing and engage said receptacle, and means arranged within said base and adapted to normally maintain the inner end of said lever in engagement with the support of said cuspidor.

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

MARYAN TOMASZSWSKI.

Witnesses:
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LEON F. WAZETER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."