W. G. BEYE.

CUSPIDOR.

APPLICATION FILED NOV. 27, 1914.

1,155,202.

Patented Sept. 28, 1915.

2 SHEETS—SHEET 1.

Fig. 1.

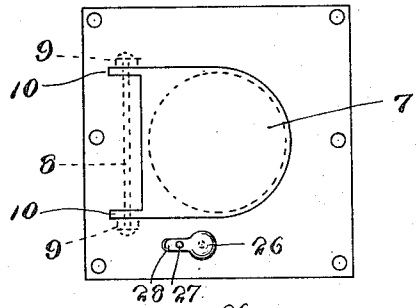
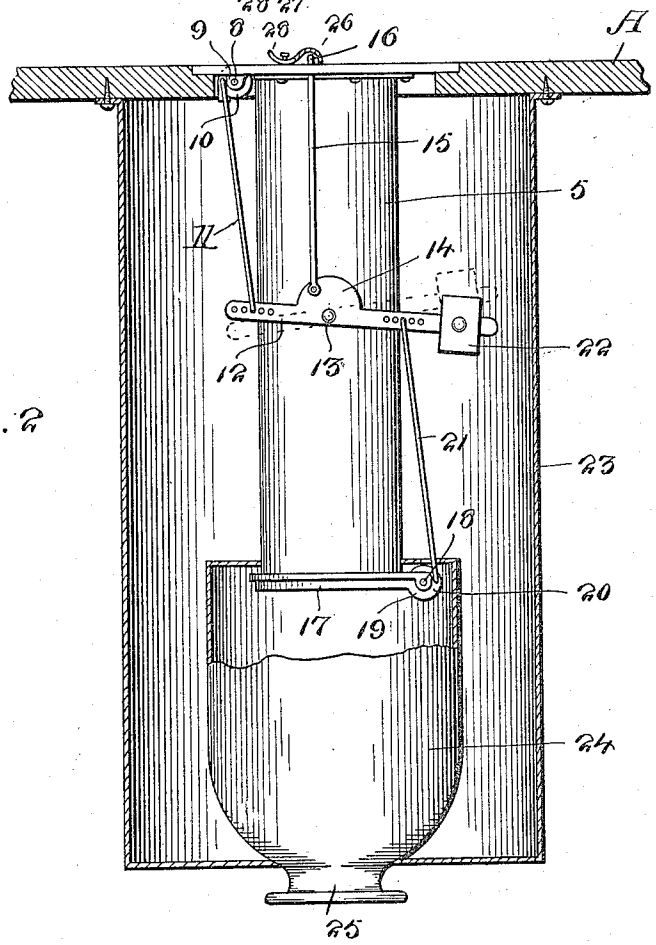


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

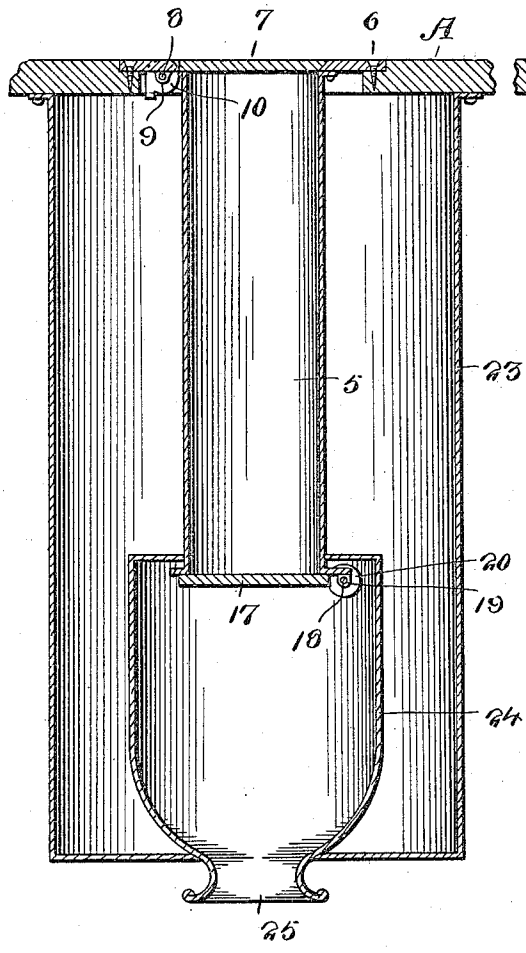


Fig. 4.

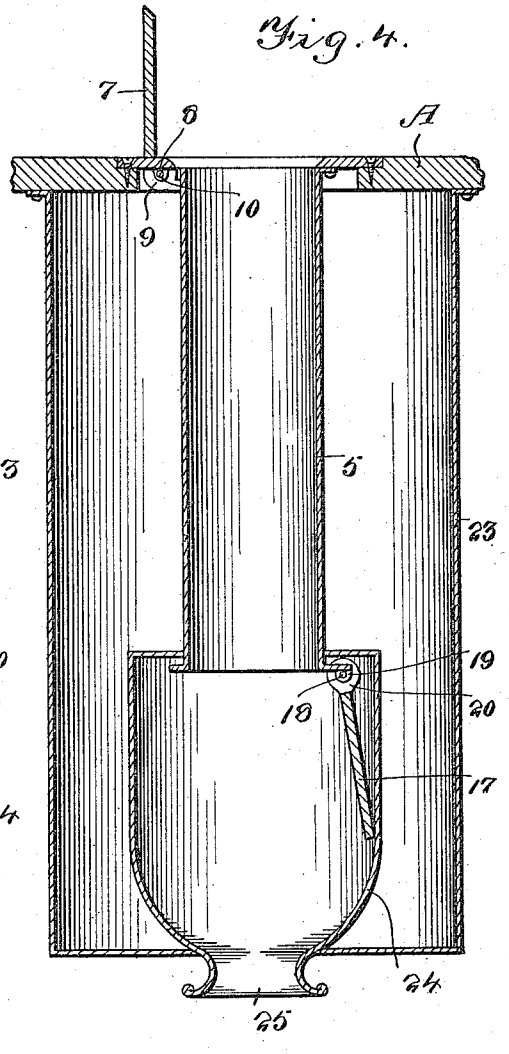
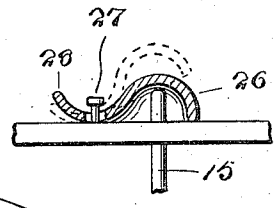


Fig. 5.



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CUSPIDOR.

1,155,202. Specification of Letters Patent. Patented Sept. 28, 1915.

Application filed November 27, 1914. Serial No. 874,294.

To all whom it may concern:

Be it known that I, WILLIAM G. BEYE, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented new and useful Improvements in Cuspidors, of which the following is a specification.

The invention relates to cuspidors, and has for its primary object to provide a device of this nature wherein the same will be out of view, as it is adapted to be concealed within the floor of an inclosure such as a house, railway or street car, or the like, and in this manner avoiding an unsightly appearance and at the same time assuring sanitation, because all odors are positively eliminated, the cuspidor being of novel form to render it thoroughly efficient in operation.

Another object of the invention is the provision of a cuspidor wherein the lid or cover thereto will be automatically raised when manipulating the push rod so that the cuspidor can be used and thereafter closed to prevent obnoxious odors issuing therefrom, the opening of the lid being adapted to automatically open a discharge passage from the cuspidor so that the contents will be delivered therefrom.

A further object of the invention is the provision of a cuspidor of this character which is simple in construction, novel in form, reliable and efficient in operation, and inexpensive in manufacture and installation.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts as will be hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereunto appended.

In the drawings:—Figure 1 is a top plan view of a cuspidor constructed in accordance with the invention. Fig. 2 is a side elevation thereof showing the floor line and floor in section. Fig. 3 is an enlarged vertical longitudinal sectional view through the cuspidor. Fig. 4 is a view similar to Fig. 3, showing the lid in raised position. Fig. 5 is a fragmentary vertical sectional view through the guard cap.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, the cuspidor comprises a cylindrical or tubular body 5, preferably made from metal, and is secured in any suitable manner to depend from the flooring of an inclosure, such as a house, street or railway car, so that the inlet end will be flush with the floor line, and in this instance it is secured to the flooring A through the medium of the clamp 6 engaging the mouth edge of the body 5 and secured to the floor. Normally closing the mouth end of the body 5 is a lid or cover 7 supported for swinging movement upon a pivot 8 journaled in bearings 9 mounted upon the flooring A so that the lid or cover 7 will swing from closed position to open position, or vice versa. The lid or cover 7 is formed at its pivot end with offset stops 10 which limit the opening movement thereof, the lid or cover 7 when closed being flush with the floor line, and eccentrically connected to this offset stop 10 is a rod 11, the same being adjustably connected to one end of a rocking operating lever 12 which is pivoted at 13 to one side of the body 5, the lever being formed medially thereof with a segment 14 to which is connected eccentrically with relation to the pivot 13 an operating push rod 15, the same being extended upwardly through the flooring A and terminates in a head or button 16 so that on depressing the latter the lever 12 will be rocked on its pivot 13, causing a pulling action upon the rod 11 for the lifting of the cover or lid 7 from closed position.

Arranged at the lower end of the body 5 is a lid or cover 17 which normally closes the discharge end of the said body and is supported upon a pivot 18 journaled in bearing ears 19 formed on the discharge end of the said body, and this cover 17 is formed with an offset extension 20 to which is pivotally connected a rod 21, the same being also adjustably connected to the rocking lever 12 on opposite sides of the pivot 13 to that point of connection of the rod 11 therewith so that on the rocking of the lever 12 the lids or covers 7 and 17 will simultaneously open and close.

Adjustably connected on the lever 12 is a weight 22 which acts to throw the lever whereby the lids or covers will be automatically closed and normally sustained in such position both at the inlet and discharge ends of the body 5 of the cuspidor.

Surrounding the body 5 and inclosing the mechanism for operating the lids or covers 7 and 17 thereof is a housing or casing 23 which is suitably fixed to the floor-

ing A and depends therefrom, while formed with this housing or casing is a discharge hopper 24 in which projects the discharge end of the body 5, the hopper 24 being formed with a delivery opening 25 opening to the atmosphere, so that the contents of the cuspidor will be delivered without the casing 23 through the opening 25 in the hopper 24 therein.

When it is desired to clean the cuspidor, water can be poured through the inlet end thereof, which flushes the body 5 and the hopper 24 so that the same is rendered thoroughly sanitary.

The lids or covers 7 and 17 when closed will prevent the emitting or obnoxious or disagreeable odors from the body 5 of the cuspidor.

To protect the upper end of the rod 15 having the head 16 there is provided a guard cap 26 which is loosely engaged on a retaining member such as a screw or nail 27 which is driven into the flooring, the said cap being formed with a foot extension 28 to permit the lifting thereof off of the head 16 to expose the same whereby it may be depressed.

It is of course to be understood that the invention is not limited to the precise construction, arrangement of parts, proportions, and manner of assemblage thereof, as changes, variations and modifications may be made such as come properly within the scope of the appended claim.

What is claimed is:—

The combination with a support having an opening therein, of a cuspidor comprising a cylindrical body secured to the support to depend therefrom in alinement with the opening therein, a lid swingingly mounted on the support for closing the opening therein, a cover swingingly connected to the body for closing the end thereof remote from the opening, a rocking lever pivoted to the body without the same, links adjustably connected with the lever at the opposite ends thereof and loosely connected with the respective lid and cover, a weight adjustably mounted upon one end of the lever, a segment formed on the lever at its pivot point, an actuating rod eccentrically pivoted to the segment and extending through the support, and a delivery hopper connected with the body and having a contracted open discharge end.

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

WILLIAM G. BEYE.

Witnesses:
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J. H. LEIGHNINGER.