

M. HARMAN.

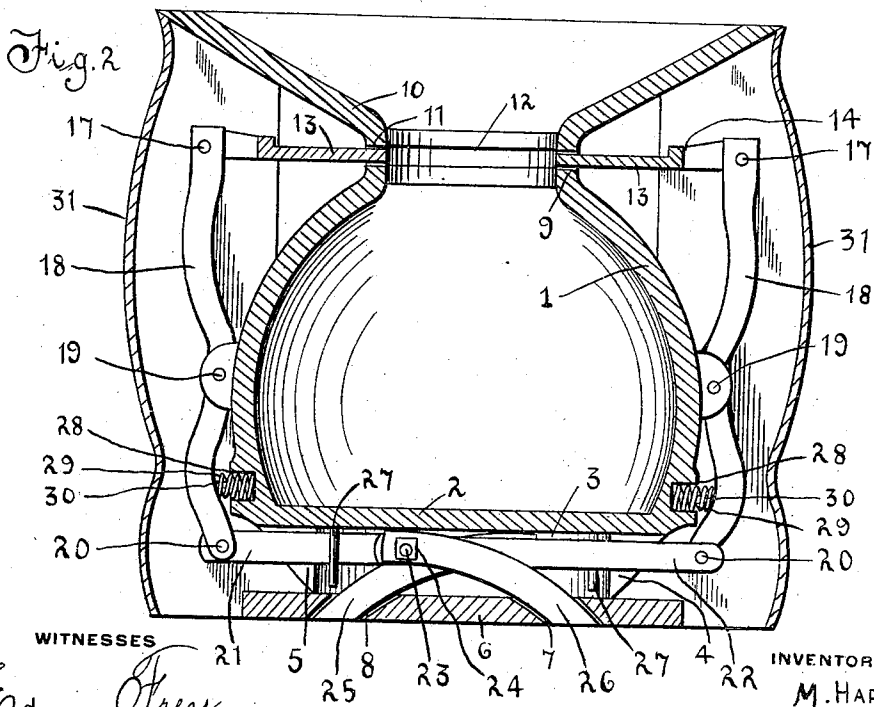
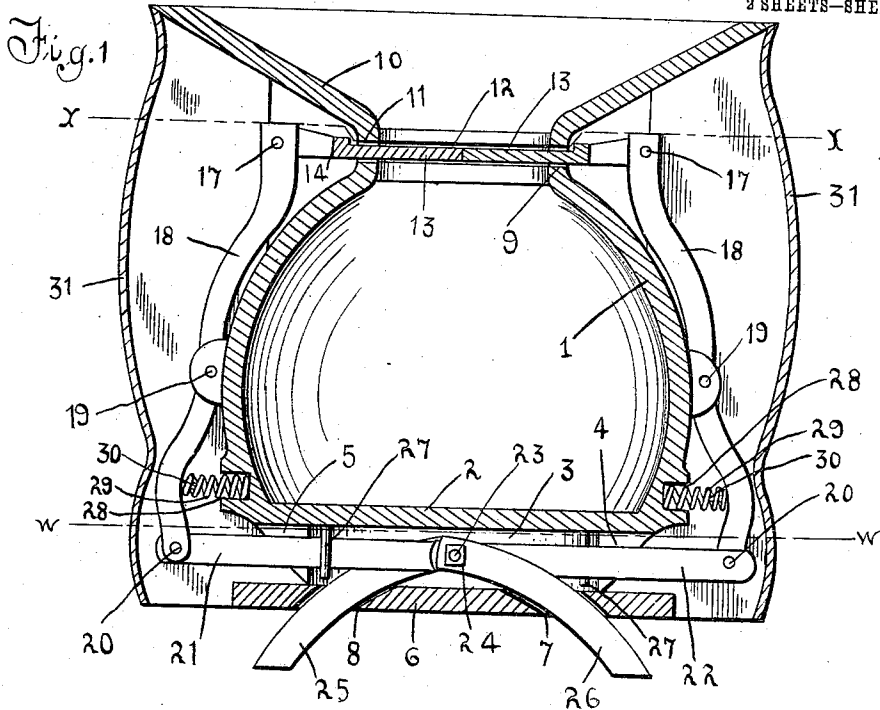
CUSPIDOR.

APPLICATION FILED MAR. 5, 1910.

966,330.

Patented Aug. 2, 1910.

3 SHEETS—SHEET 1.



WITNESSES

Edwin Frey
H. H. Butler

INVENTOR

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2 SHEETS—SHEET 2.

Fig. 3

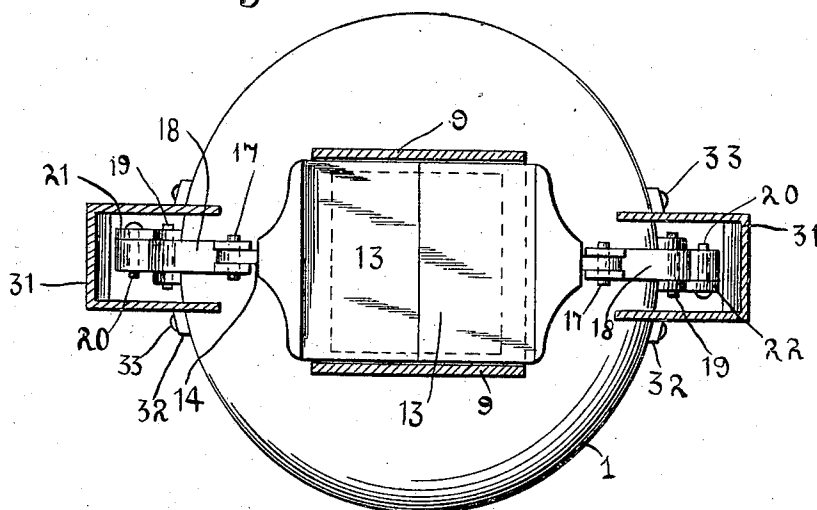
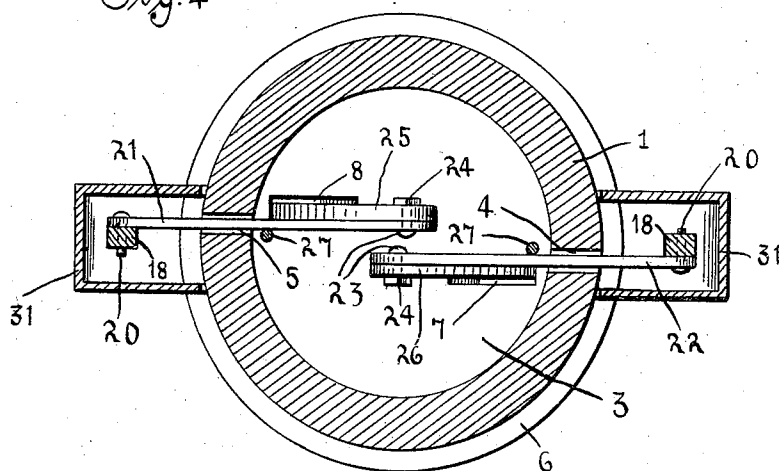


Fig. 4



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UNITED STATES PATENT OFFICE.

MICHAEL HARMAN, OF YOUNGSTOWN, PENNSYLVANIA.

CUSPIDOR.

966,330.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed March 5, 1910. Serial No. 547,489.

To all whom it may concern:

Be it known that I, MICHAEL HARMAN, a citizen of the United States of America, residing at Youngstown, in the county of Westmoreland and State of Pennsylvania, 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 primary object of my invention is to provide a cuspidor with positive and reliable means for closing the same whereby the contents thereof will not be spilled when the cuspidor is accidentally tilted or upset.

Another object of this invention is to furnish a cuspidor with automatic closing shutters that will immediately seal the outlet of the cuspidor when said cuspidor is removed from its support.

A further object of my invention is to provide a cuspidor that is simple in construction, durable and inexpensive to manufacture.

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

Reference will now be had to the drawings forming part of this specification, wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof can be varied or changed, as at the size, shape and manner of assemblage without departing from the spirit and scope of the invention.

In the drawings:—Figure 1 is a vertical sectional view of the cuspidor showing the shutters thereof in a closed position, Fig. 2 is a similar view showing the shutters in an open position, Fig. 3 is a horizontal sectional view taken on the line X—X of Fig. 1, and Fig. 4 is a similar view taken on the line W—W of Fig. 1.

In the accompanying drawings, the reference numeral 1 denotes a receptacle, substantially spherical in form, the receptacle having a flat bottom 2 provided with a depending annular flange 3, which is slotted, as at 4 and 5. The flange 3 is formed integral with a base plate 6 having slots 7 and 8 formed therein.

Surrounding the mouth of the receptacle 1 is a neck 9 provided with a funnel shaped

mouth-piece 10, and opposite sides of the neck 9 are provided with openings 11, while the other sides are grooved, as at 12 to form guide ways for shutters 13 adapted to extend through the openings 11 of the neck 9 and close the mouth of the receptacle. The shutters 13 are rectangular in plan and have the outer ends thereof reduced, as at 14 and pivotally connected by pins 17 to the upper ends of compound-curved levers 18 fulcrumed by pins 19 upon the outer sides of the receptacle 1.

The lower ends of the levers 18 are pivotally connected by pins 20 to the outer ends of arms 21 and 22 adapted to extend through the slots 5 and 4 respectively and have the inner ends thereof pivotally connected by bolts 23 and nuts 24 to curved releasing members 25 and 26 adapted to extend through the openings 8 and 7 respectively of the base plate 6. To further guide the arms 21 and 22, the flat bottom 2 of the receptacle 1 is provided with depending pins 27, these pins preventing the arms 21 and 22 from wobbling within the slots 4 and 5.

The outer sides of the receptacle 1 below the fulcrum points of the levers 18 are provided with sockets 28 and in these sockets are arranged compression springs 29 having the outermost convolutions thereof encircling pins 30, carried by the inner sides of the levers 18.

The levers 18 and their appurtenant parts are inclosed by vertical channel shaped casings 31 extending from the under side of the funnel mouth-piece 10 downwardly to the base plate 6, the sides of said casings being secured to the receptacle 1 by apertured lugs 32 and screws or other fastening means 33. The inner edges of the casings 31 conform to the contour of the receptacle 1, while the outer walls of said casings can be irregularly shaped to enhance the general appearance and design of the cuspidor.

With the cuspidor resting upon a floor or similar foundation, the releasing members 25 and 26 are held within the lower part of the cuspidor, as shown in Fig. 2 of the drawings with the shutters 13 in an open position, and immediately upon the cuspidor being tilted, upset or removed from its support, the compression springs 29 immediately actuate the levers 18 to close the shutters 13, thereby extending the releasing members 25 and 26, as shown in Fig. 1 of the drawings, these members remaining in this position

until the cuspidor is restored to its normal position upon the floor.

The cuspidor in its entirety is constructed of light and durable metal and the exterior thereof can be suitably ornamented or designed to present a neat appearance.

Having now described my invention what I claim as new, is:—

1. A cuspidor comprising a receptacle, a neck carried by said receptacle and having oppositely disposed openings formed therein, shutters movably mounted in said openings and adapted to close said neck, levers fulcrumed upon the outer sides of said receptacle and adapted to move said shutters, arms pivotally connected to the lower ends of said levers and extending under said receptacle, releasing members pivotally connected to said arms, casings inclosing said levers, and means interposed between said levers and said receptacle and adapted to actuate said levers and said shutters when released by said members.

2. A cuspidor comprising a receptacle having a flat bottom, a depending annular

flange carried by said receptacle, a bottom plate carried by said flange, a funnel shaped mouth-piece carried by the upper end of said receptacle, shutters adapted to close the mouth of said receptacle, levers fulcrumed upon the outer side of said receptacle and adapted to move said shutters, arms connecting with the lower ends of said levers and extending between the bottom of said receptacle and said bottom plate, releasing members movably mounted in said bottom plate and adapted to connect with said arms, springs interposed between said levers and said receptacle and adapted to actuate said levers when released by said members, and casings carried by said receptacle and inclosing said levers, substantially as described.

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

MICHAEL HARMAN.

Witnesses:

ALEXANDER BASSART,
PHILIP SHIREY.