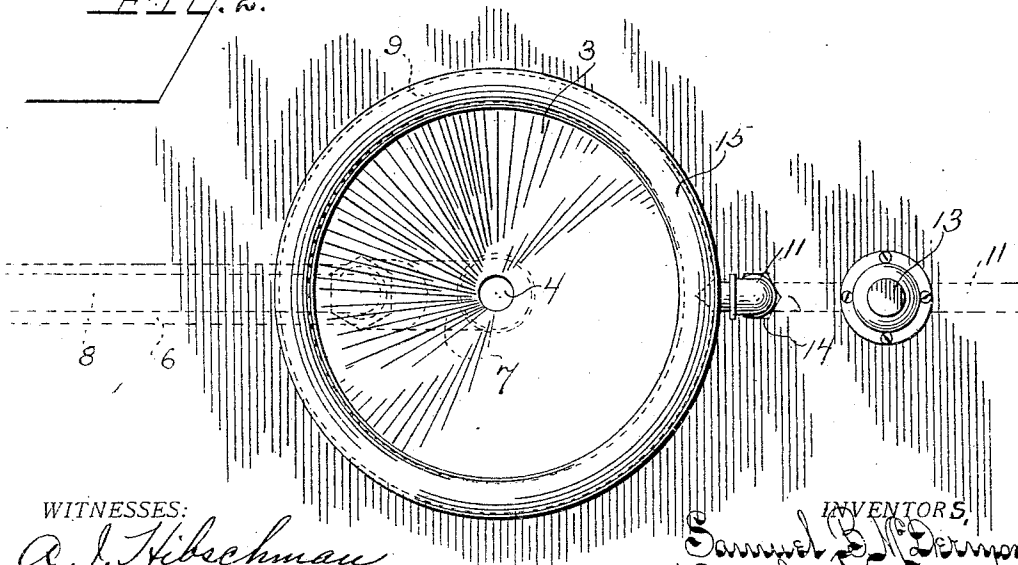
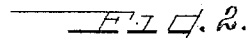


CUSPIDOR.

937,843.

Fi 1.

WITNESSES:

WITNESSES:  
A. J. Kibschman.  
Harry F. Moran

INVENTORS

BY *Samuel B. Vermont*  
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*J. Sewall Walker*  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

SAMUEL B. McDERMONT AND HARRY C. MORY, OF DAYTON, OHIO.

CUSPIDOR.

937,843.

Specification of Letters Patent.

Patented Oct. 26, 1909.

Application filed February 13, 1908. Serial No. 415,683.

*To all whom it may concern:*

Be it known that we, SAMUEL B. McDERMONT and HARRY C. MORY, both citizens of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Cuspidors, of which the following is a specification.

Our invention relates to improvements in cuspidors, and particularly to flushing cuspidors.

The object of the invention is to greatly simplify the construction as well as the means and mode of operation of such devices, whereby they will not only be cheapened in construction but will be rendered more sanitary, the cleansing by flushing more efficient and positive, and to provide a structure that is unlikely to get out of repair.

With the above primary and other incidental objects in view as will appear from the specification, the invention consists of the parts, devices, constructions, and mode of operation, hereinafter described and set forth in the claims.

In the drawing Figure 1 is a side elevation of the assembled structure, partly in section. Fig. 2 is a plan view of the structure.

Like parts are indicated by similar characters of reference throughout the several views.

The cuspidor forming the subject matter hereof, is adapted to rest on the floor, and is not dissimilar in appearance to the ordinary device of this character. The cuspidor is provided with a sewer connection, and has a suitable intermittent water supply for flushing purposes.

Referring to the drawings 1 is the floor upon which the device rests. The cuspidor proper comprises a shell or casing 2 of any suitable form, shape or proportions. In the drawing the shell 2 is shown as closely resembling the ordinary device.

Located within the shell 2 is a funnel shaped interior 3 terminating at 4 in a neck 5 projecting into the upper end of a pipe 6 leading from the interior of the device to the sewer. In the pipe 6 intermediate the cuspidor and the sewer is a trap 7, provided with a vent pipe 8 leading to the atmosphere. Located about the interior top of the funnel member 3 is a tubular ring 9, having therein a series of perforations 10 directed downwardly and outwardly, as shown in Fig. 1, or at substantially right angles to the sur-

face of the member 3. A water inlet pipe 11 leading from a water supply connects with the tubular ring 9. Located in the supply pipe 11 is a spring actuated controlling valve 12, the depressible stem 13 of which projects above the line of the floor 1 and is adapted to be operated by foot or other pressure as indicated. The valve 12 may be of any suitable design. A union connection 14 is provided in the supply pipe 11 above the floor line, to facilitate the removal of the device for cleansing purposes. The union 14 may be disconnected and the cuspidor readily removed the neck 5 being withdrawn from the pipe 6 with which it connects merely by a slip joint.

When the valve stem 13 is depressed, opening the valve 12 water is forcibly projected through the perforations 10 of the tubular ring 9 and washes the entire inner surface of the funnel member 3, and escapes through the pipe 6 to the sewer, carrying with it any debris that happens to be within the funnel or inverted cone 3.

A flange 15 of the shell or casing 2 is preferably turned over the top of the tubular ring 9, to conceal the ring and form a continuous exterior surface.

From the above description it will be apparent that there is thus provided a device of the character described, possessing the particular features of advantage before enumerated as desirable, but which obviously is susceptible of modification in its form proportion, detail construction, and arrangement of parts without departing from the principle involved or sacrificing any of its advantages.

Having thus described our invention we claim:

1. In a device of the character described, a casing of ornamental shape adapted to rest upon the floor, a lining for said casing in the form of an inverted cone the apex of which terminates in a sleeve adapted to project through the opening in the floor, an off-take pipe laid on the under side of the floor and attached thereto and registering with said opening, the said sleeve being adapted to telescope with said off-take pipe, and an annular tubular perforated water discharge member located about the upper periphery of the casing, said tubular member having discharge orifices in the lower outermost portion thereof, said orifices being substantially perpendicular to the cone

shaped lining, a water supply pipe leading to said tubular discharge member, said supply pipe having a union therein whereby said device may be disconnected and removed from its position on the floor, the connecting sleeve being withdrawn from the off-take pipe, substantially as specified.

2. In a device of the character described, a casing having a lining of inverted conical form, said casing being adapted to rest upon the floor, a sleeve at the apex of the said conical lining, an off-take pipe located on the under side of the floor with which said sleeve is removably engaged, an annular water chamber about the upper periphery of the structure having discharge orifices therein substantially perpendicular to the interior surface of the conical lining, an integral internal flange on said casing pro-

jecting over said annular water chamber, a water supply pipe located beneath the floor and extended upward therethrough and connected with the said water chamber, a cut-off valve in said supply pipe located beneath the floor and having a spring pressed stem projecting through the floor and adapted to be operated by the foot of the operator whereby the water will be supplied to the device upon the depression of said spring operated stem, substantially as specified.

In testimony whereof, we have hereunto set our hands this 5th day of February A. D. 1908.

SAMUEL B. McDERMONT.  
HARRY C. MORY.

Witnesses:

HARRY F. NOLAN,  
F. L. WALKER.