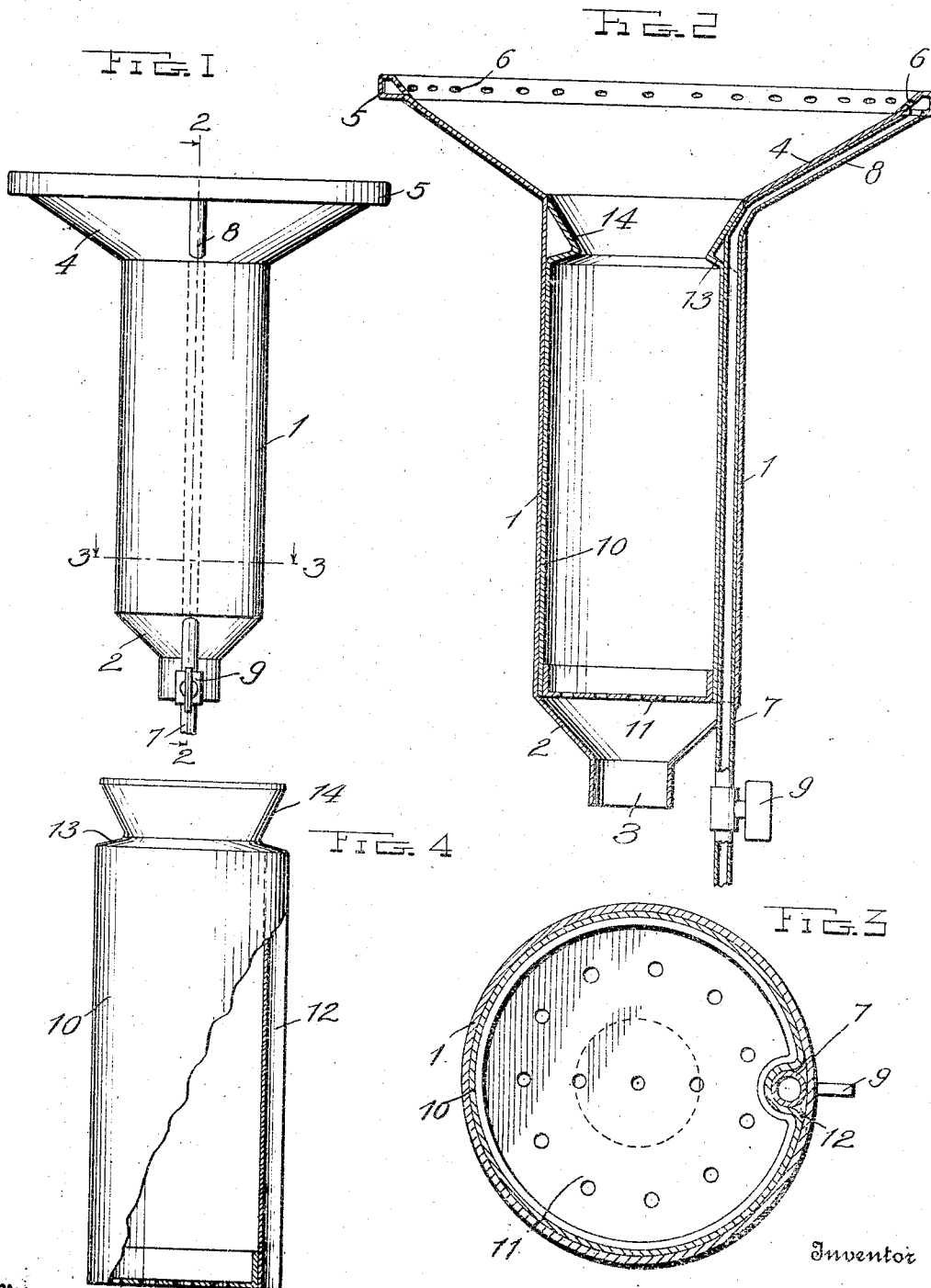


L. S. DORSEY.
 FOUNTAIN CUSPIDOR.
 APPLICATION FILED JULY 18, 1912.

1,058,564.

Patented Apr. 8, 1913.



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UNITED STATES PATENT OFFICE.

LINTON S. DORSEY, OF MOGOLLON, NEW MEXICO.

FOUNTAIN-CUSPIDOR.

1,058,564.

Specification of Letters Patent.

Patented Apr. 8, 1913.

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To all whom it may concern:

Be it known that I, LINTON S. DORSEY, a citizen of the United States, residing at Mogollon, in the county of Socorro and State of New Mexico, have invented certain new and useful Improvements in Fountain-Cuspidors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in stationary cuspidors especially designed for use in public places such as railway cars, hotels, dentists' chairs and the like.

The object of the invention is to provide a simply constructed cuspidor having means for flushing it without removing it from its position.

With this and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings: Figure 1 represents a side elevation of a cuspidor constructed in accordance with this invention; Fig. 2 represents a vertical section thereof taken on the line 2—2 of Fig. 1; Fig. 3 represents a horizontal section taken on the line 3—3 of Fig. 1; Fig. 4 is a side elevation partly in section of the inner receptacle.

In the embodiment illustrated a cylindrical casing 1 is shown having an inverted truncated cone-shaped bottom 2 with a central opening 3 therein designed to be connected with a discharge pipe for carrying off the deposits in the cuspidor and the water used for flushing it, said pipe being connected with any suitable sewer or other discharge conduit. Secured to the upper end of the casing 1 is a substantially bowl-shaped member 4, the walls of which flare outwardly. Around the edge of this bowl-shaped member 4 is a hollow rim 5 provided with a plurality of upwardly directed radial perforations as 6, for a purpose to be described. A water supply or feed pipe 7 extends longitudinally of the cylindrical casing 1, preferably on the inner face thereof, and connects at the upper end of said casing with a similar pipe 8 extending transversely or radially of the bowl-shaped receiving member 4, said pipe 8 being here shown arranged on the outer face of said

member. This pipe 8 connects at its upper end with the hollow rim 5 and is designed to supply water thereto, which is discharged through the perforations 6 with sufficient force to cause the various streams to meet at the center of said rim and splash on the inner face of the member 4 from whence it will flow with the deposits collected during its passage over the face of the member 4 into the cylinder 1, thus thoroughly flushing and cleansing the cuspidor. The feed pipe 7 is designed to be connected with any suitable water supply under pressure, such as the water main of a city, and may be controlled by a suitable cock 9, whereby the water may be entirely cut off from the cuspidor when desired.

As shown, this cuspidor is provided with an inner receptacle in the form of a cylindrical shell 10 having a perforated bottom 11 and a groove 12 extending longitudinally thereof and adapted to slidably engage the feed pipe 7 arranged on the inner face of the casing 1, whereby said shell is held against turning within said casing and is guided in its vertical movement therein. The upper end of this shell 10 has an inwardly extending annular flange 13, which forms means for removing the shell from the casing 1 when desired. Secured to the inner edge of this flange 13 is a flared mouth 14 having the outer face of its free edge beveled which is designed to seat on the inner edge of the bowl-shaped member 4 and form a continuation thereof with the inner faces of said members 4 and 14 arranged flush with each other to provide an unobstructed surface for the passage of the deposits. This shell 10 is designed to collect deposits of all kinds and prevent large particles from passing off through the discharge pipe of the casing 1 and thereby clogging said pipe, said shell being readily removable for emptying the contents thereof and for cleaning.

From the above description, the operation of the device it is thought will be obvious, the water being supplied under pressure from the main through the pipes 7 and 8 and passing out through the perforations 6 in the hollow rim 5 with sufficient force to enable it to meet at the center of said rim where the weight of the volume of water will cause the greater portion to fall directly into the center of the inner shell and the spray thereof to flow over the entire surface

of the inner face of the bowl 4 and flush and cleanse it thoroughly, then pass down into the shell 10 and out through the apertured bottom thereof, and is discharged into the pipe connected with the lower end of the casing 1.

Should paper and other deposits be placed in the cuspidor, the falling of the aforesaid volume of water will constantly agitate the larger deposits therein and allow the smaller particles to pass, but should it become clogged the inner shell may be readily removed by inserting the fingers therein or a suitable implement provided for the purpose, which will engage the shoulder formed by the flange 13, and said shell thereby removed and emptied. After being cleansed it may be again inserted in the casing 1, when the cuspidor will be ready for use.

While this cuspidor is described as cylindrical in shape, it is obvious that it may be of any suitable or desired conformation and composed of any suitable material, preferably metal.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion

and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

I claim as my invention:

A fountain cuspidor comprising a cylindrical casing having an inverted truncated cone-shaped bottom with an aperture in the apex thereof, a flared receiving member at the upper end of said casing having a hollow perforated rim, a water feed pipe extending longitudinally of said casing on its inner face, a pipe extending transversely of said receiving member and connected with the feed pipe of said casing, and with the hollow rim of said member, a removable inner shell having a longitudinal groove in its outer face for slidable engagement with the feed pipe of said casing, said shell having a perforated bottom and a flared mouth provided at its inner end with an annular shoulder.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LINTON S. DORSEY.

Witnesses:

J. E. CULLOM,

G. E. DICKINSON.

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