



# UNITED STATES PATENT OFFICE.

FRANK AUSTIN MARTIN, OF NEW YORK, N. Y., ASSIGNOR TO THE WEST DISINFECTING COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

DEVICE FOR AUTOMATICALLY DISTRIBUTING DISINFECTING FLUIDS.

SPECIFICATION forming part of Letters Patent No. 703,287, dated June 24, 1902.

Application filed August 22, 1900. Serial No. 27,640. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK AUSTIN MARTIN, a citizen of the United States, and a resident of the borough of Manhattan, in the city and State of New York, have invented a new and useful Device for Automatically Distributing a Disinfecting Fluid, of which the following is a specification.

My invention relates to a device for automatically distributing a disinfecting fluid, and more particularly to a device of the above character for distributing charges of disinfecting fluid into the flush-tank of a water-closet.

The object is to provide means for shifting the discharging mechanism along the sides and ends of the reservoir for the disinfecting fluid to permit the location of the reservoir in different positions relatively to the flush-tank to accommodate various requirements which arise in connection with the varied positions which the flush-tank occupies in buildings.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a view in perspective showing the disinfecting device located above the flush-tank and representing one position of the discharging apparatus in full lines and another position of the same in dotted lines, a part of the wall of the reservoir for holding the disinfecting fluid being broken away to show the position of the discharging device within the reservoir; and Fig. 2 is an enlarged view, in side elevation, partly in section, of a portion of the discharging device and the wall of the reservoir in proximity thereto.

A represents a flush-tank of any well-known or approved form, the top being wholly or partially open for the reception of a drop-chain or other connection B, leading from a float C, resting on the water in the tank A, to the outer end of the discharging device D. The discharging device D consists of a curved tube having a cup  $d$  at its inner end within the tank and hinged intermediate of its ends to a support E. The cup  $d$  is either formed integral with the tube or secured thereto in

any well-known or approved manner, as by solder, so that when tilted the cup will discharge its contents into the tube. The support E is preferably made in the form of a clip, the opposite branches  $e$   $e'$  (see Fig. 2) being adapted to embrace the opposite faces of the side or end wall  $f$  of the reservoir F, which contains the disinfecting fluid.

The discharging device D is conveniently hinged to the clip E by means of a strap  $d'$ , which embraces the body of the discharging device, the ends of the strap  $d'$  being turned in opposite directions from one another beneath the discharging device and extended in opposite directions along the bight of the clip E, an opening  $e^2$  at the middle of the clip E being provided for the admission of the ends of the strap  $d'$ .

The clip E, together with the discharging device hinged thereto, may be slid along either the upper edge of the front, back, or either end of the reservoir F to adapt the position of a discharging device to the position of the flush-tank A after the latter has been located in the desired position, and thus admits of locating the reservoir F in the more desirable position readily accessible for purposes of charging it with the disinfecting fluid, and at the same time the connection B, leading to the float C, may hang vertically from the discharging device.

The cover  $f'$  of the reservoir for the disinfecting fluid is made removable and is held normally spaced from the body of the reservoir conveniently by means of legs or standards  $f^2$  at its corners, the lower ends of said legs being bifurcated, as shown, to embrace the edge of the body portion of the reservoir. This spacing of the cover  $f'$  from the body portion leaves an opening between the two, along which the discharging device may be adjusted, and at the same time permits the disinfecting fluid to evaporate and cleanse the surrounding atmosphere.

What I claim is—

The combination with a reservoir having its cover spaced from the body of the reservoir, of a tilting discharging device, a support to which the tilting device is hinged, the said support having a sliding engagement

together with the discharging device along  
the wall of the reservoir intermediate of the  
cover and body and means for operating the  
tilting discharging device, substantially as  
5 set forth.

In testimony that I claim the foregoing as  
my invention I have signed my name, in pres-

ence of two witnesses, this 7th day of August,  
1900.

FRANK AUSTIN MARTIN.

Witnesses:

FREDK. HAYNES,  
C. S. SUNDGREN.