Z. G. SHOLES.

INTERIOR CONTAINER FOR DRIP DISINFECTORS.

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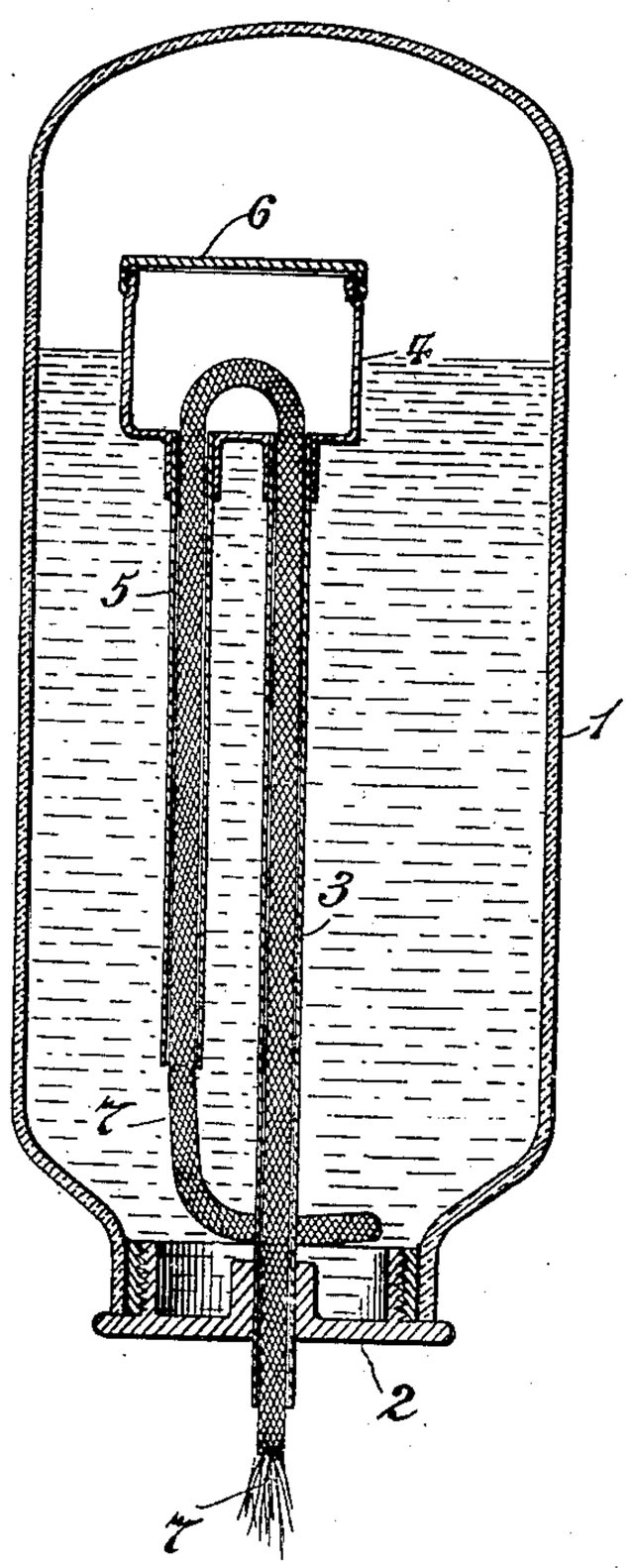
908,508. Patented Jan. 5, 1909.



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UNITED STATES PATENT OFFICE.

ZALMON G. SHOLES, OF NEW YORK, N. Y., ASSIGNOR TO WEST DISINFECTING COMPANY, A CORPORATION OF NEW YORK.

INTERIOR CONTAINER FOR DRIP-DISINFECTORS.

No. 908,508. Specification of Letters Patent. Patented Jan. 5, 1909.

Application filed September 16, 1908. Serial No. 453,282.

To all whom it may concern:

Be it known that I, ZALMON G. SHOLES, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented a certain new and useful Improvement in Interior Containers for Drip-Disinfectors, of which the following is a specification.

My present invention has relation to an improved form of interior container for use in automatic disinfectors intended to deliver disinfectant fluids drop by drop. Devices of this kind commonly consist of an exterior container or casing into the bottom of which the fluid is slowly discharged from the interior can, which latter is secured in place by various means which form no part of the present invention.

The principal object of this improvement is to provide an interior vessel or container of the type above named which can be produced at small expense, can be easily cleaned and readily and conveniently filled and adjusted in place.

The accompanying drawing shows in section an illustrative preferred form of my invention.

The vessel itself consists of a wide mouthed bottle, preferably of glass, shown at 1. Into the neck of this bottle is screwed a closing cap, 2, in the center of which is fixed the tube, 3, of brass or other appropriate material, which tube projects a short distance outside of the vessel and extends into the vessel a distance determined by the length of wick desired in any given case. The inner end of the tube 3 terminates in a box 4, small enough to enter the mouth of the vessel. A second wick-tube, 5, extends downward from the box 4. The box is closed by a cap 6, preferably screwed into place. The wick which leads the fluid out of the vessel 1 and delivers the same drop by drop by capillary action, is shown at 7 and extends from the bottom of the vessel (when in the position shown) up through the tube 5 into the box 4, and thence down through the tube 3, whence it projects as shown in the drawing.

The construction shown makes it very convenient to clean the device, and to handle and adjust the various parts.

In filling the apparatus for use, the cap 2 is removed together with the tube 3 and attached parts, the bottle is turned so that the opening is at the top and is filled in this position. The tubes 3 and 5 and box 4 are then introduced with the wick 7 in place and the cap 2 screwed down. The bottle is then inverted as shown in the drawing and the whole is ready for use. The length of the tubes 3 and 5 depends upon the volume of flow desired. The longer the tubes the slower the flow.

The box 4 is used to facilitate adjustment of the wick 7. This is easily accomplished by unscrewing the top of the box 4 and threading the two ends of the wick separately through the tubes 3 and 5. The cap 6 is then replaced, and the whole is ready to be introduced into the bottle.

What I claim is—

1. A device of the character described comprising a vessel, a closing cap therefor, a discharge tube extending into said vessel, a box at the inner end of said tube, a second tube extending downward from said box, and a wick extending up one of said tubes, through said box and down through the other tube, substantially as described.

2. A device of the character described comprising a vessel, a closing cap therefor, a discharge tube extending through and carried by said cap and extending into said vessel, a box having a removable cover and fixed at the inner end of said tube, a second tube extending downward from said box, and a wick extending up one of said tubes, through said box and down through the other tube, substantially as described.

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