

No. 701,485.

Patented June 3, 1902.

L. E. JONES.
DISINFECTING DEVICE.
(Application filed Jan. 18, 1902.)

(No Model.)

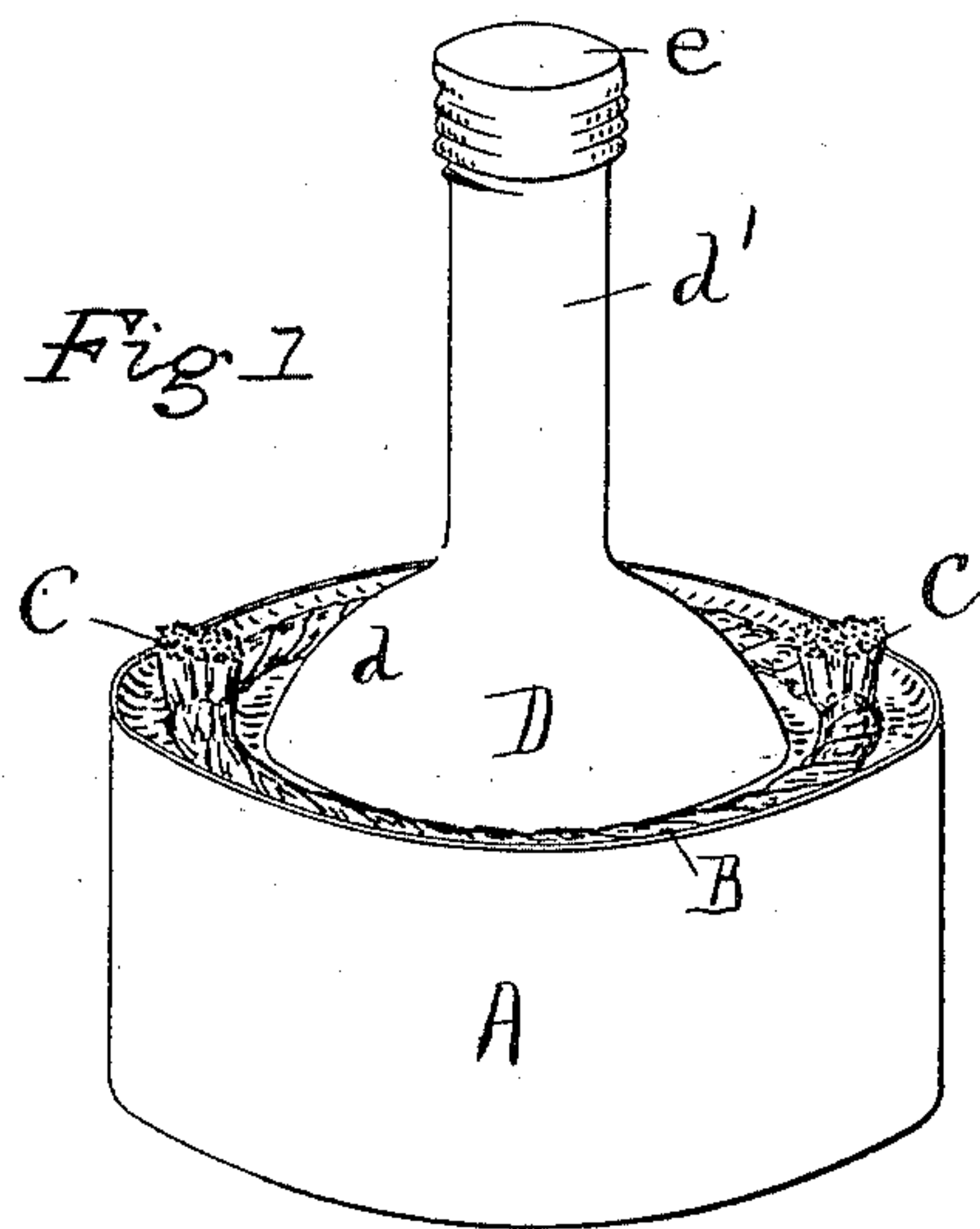
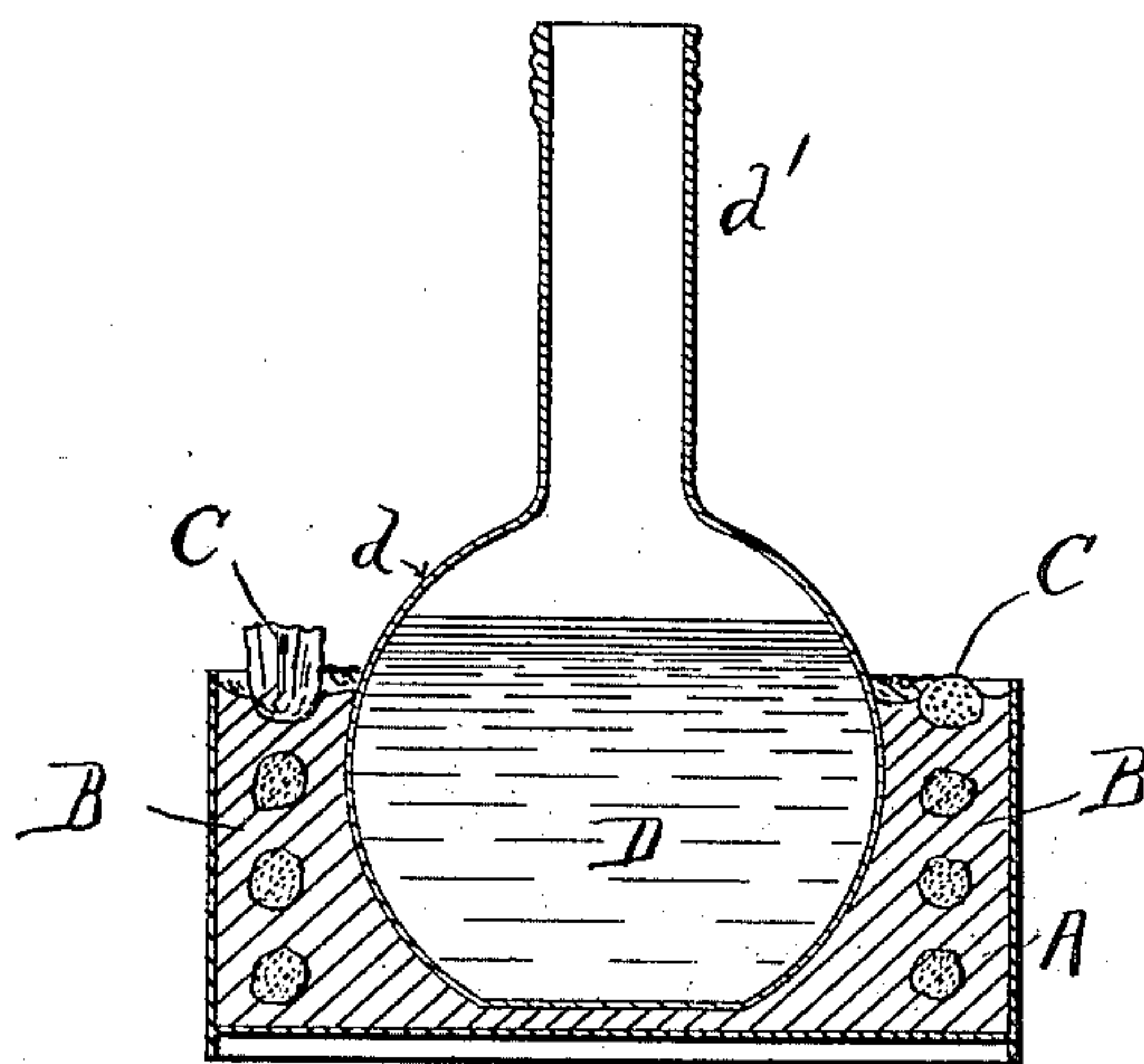


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

LOUIS E. JONES, OF CONSHOHOCKEN, PENNSYLVANIA, ASSIGNOR TO J. ELLWOOD LEE COMPANY, OF CONSHOHOCKEN, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

DISINFECTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 701,485, dated June 3, 1902.

Application filed January 18, 1902. Serial No. 90,320. (No model.)

To all whom it may concern:

Be it known that I, LOUIS E. JONES, a citizen of the United States of America, residing in Conshohocken, Montgomery county, in the State of Pennsylvania, have invented an Improved Disinfecting Device, of which the following is a specification.

My invention relates particularly to that class of fumigating and disinfecting devices in which a combustible fumigating means, such as a sulfur candle, is combined with a vessel containing a disinfectant vaporizable by the heat from the ignited fumigating means. Particularly my invention is applicable to the known combination of a sulfur candle and its wick with a vessel containing formaldehyde in solution, the formaldehyde being vaporized by the burning of the sulfur candle and the vapors of both serving to give the desired disinfecting action.

The object of my invention is to provide an improved construction of vessel for the formaldehyde or the like, particularly to prevent the possible ignition of the formaldehyde gas by the flame of the sulfur candle.

In the accompanying drawings, Figure 1 is a perspective view of my improved disinfecting device, and Fig. 2 is a vertical section.

A is the outer vessel, which may be conveniently of metal and containing a body B, of sulfur or the like, provided with a wick or wicks C. Into this body of sulfur is set the vessel D, which is to receive the formaldehyde solution or like vaporizable disinfectant. This vessel, which may conveniently be of glass, I make in the form of a bottle with a body *d* of relatively large diameter and having a long central neck *d'* of small diameter projecting upward quite a distance above the top level of the sulfur and its wicks, so that when the wicks and the sulfur have been ignited the flames therefrom will not by any chance reach up to the mouth of the bottle, (from which, of course, the screw-cap *e* has been removed,) for if the formaldehyde gas driven off from the solution in the vessel by the heat

of the burning candle should become ignited there would be no longer any disinfecting action from the resulting gas. For greater security I also project a part of the sloping upper surface of the body *d* of the bottle as well as the neck above the level of the sulfur, so that the sulfur flames will not be apt to get near even the lower part of the neck of the bottle. The wicks C are laid in the sulfur in coils around the body of the bottle D.

I claim as my invention—

1. The combination of a vessel containing a combustible fumigating composition with a bottle set in the center of the said composition and having an upwardly-projecting contracted neck the mouth of which extends above the point reached by the flames from the combustible fumigating composition.

2. The herein-described disinfector consisting of a vessel containing combustible fumigating composition with a bottle set in the said composition, the mouth of the neck extending above the point reached by the flames of said composition, said bottle having a body of relatively large diameter and an upwardly-projecting contracted neck, the upper part of the body of the bottle and the neck both projecting above the surface of the combustible composition, substantially as set forth.

3. The herein-described disinfector consisting of a vessel containing combustible fumigating composition with a bottle set in the center of said composition and having a projecting contracted outlet at the top and wicks coiled in the composition around the bottle, said outlet extending above the point reached by the flames of said composition.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOUIS E. JONES.

Witnesses:

ROBERT PARRY CLARK,
SADYE M. VYSE.