

Improvements in or relating to disinfection by means of formaldehyde / [Wilhelm Loebinger].

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COMPLETE SPECIFICATION.

Improvements in or relating to Disinfection by Means of Formaldehyde.

I, WILHELM LOEBINGER of 7 Spenerstrasse Berlin Merchant do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My invention relates to a method of disinfection by means of formaldehyde.

5 The substance known as formaldehyde used in recent times to a large extent for disinfecting purposes is applied for the purification of the air in enclosed spaces by finely distributing the watery solution of the gas by means of a spraying apparatus through the air or by evaporating it by means of special evaporation lamps; these processes are however uneconomical as in such cases where constantly
10 fresh miasmas and bad odours are developed a large quantity of formaldehyde would be necessary for a permanent continuous disinfection. Moreover, shallow vessels filled with the solution allow the gas to escape very rapidly, and Formaline decomposes when left standing.

According to my method, a slow constant distribution of the formaline vapours
15 is effected by soaking porous plates formed of substance which does not act upon formaline, for instance plaster of Paris plates or ordinary tiles, and suspending the same in the space. The gas is then only evaporated on the surface whilst the same remains collected in the pores of the plates in an undecomposed condition and only escapes to the outside very gradually. Instead of porous plates vessels of
20 porous unglazed clay, similar to those known as Spanish cooling vessels, may be made use of, in which the formaline is contained and through the sides of which the same exudes.

The action is in both cases quite a different one to that of the well-known plates of naphthalene, phenol, carbol or menthol, because according to this new
25 method the mode of retaining the formaline prevents its decomposition, whereas the above mentioned tablets are only made in this shape for the purpose of convenient handling.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I
30 claim is:—

The above described method of disinfecting by means of formaldehyde consisting essentially of soaking porous plates formed of some material unacted upon by formaldehyde with the solution thereof or filling porous flasks with the same.

Dated this 24th day of July 1897.

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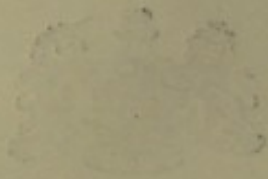
W. P. THOMPSON & Co.,
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