

Specification of William Glass : obtaining a deodorizing and disinfecting material.

Contributors

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A.D. 1855 N° 2335.

S P E C I F I C A T I O N

OF

WILLIAM GLASS.

**OBTAINING A DEODORIZING AND
DISINFECTING MATERIAL.**

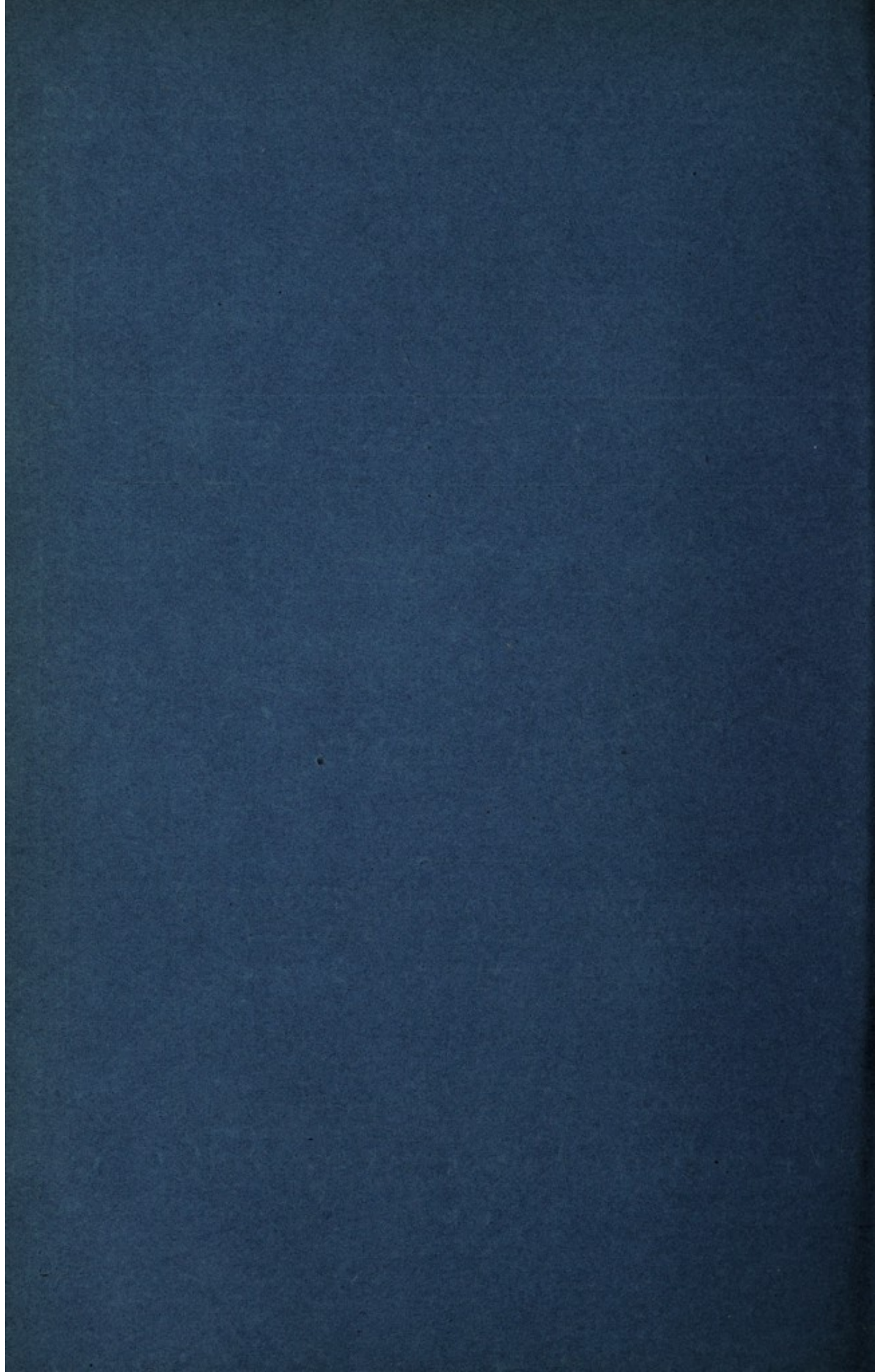
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A.D. 1855 N° 2335.

Obtaining a Deodorizing and Disinfecting Material.

LETTERS PATENT to William Glass, Analytical Chemist, formerly of 2, Dahlia Cottages, Poplar, for the Invention of "**IMPROVEMENTS IN OBTAINING A DEODORIZING AND DISINFECTING MATERIAL.**"

Sealed the 29th February 1856, and dated the 18th October 1855.

PROVISIONAL SPECIFICATION left by the said William Glass at the Office of the Commissioners of Patents, with his Petition, on the 18th October 1855.

I, **WILLIAM GLASS**, Analytical Chemist, of Millwall, Poplar, do hereby
5 declare the nature of the said Invention for "**IMPROVEMENTS IN OBTAINING A DEODORIZING AND DISINFECTING MATERIAL**" to be as follows:—

It is well known that chloride or muriate of zinc has been found very useful in destroying the noxious matters contained in cesspools, drains, holds of ships, wards of hospitals, dissecting rooms, cellars, &c., and that the benefit derived
10 from the use of this salt has been owing more particularly to the decomposition of volatile, odorous, and noxious compounds of sulphur, the zinc combining with the sulphur, and forming a fixed inodorous and innoxious compound.

Now, my Invention consists in using sulphate and acetate of zinc separately or in combination, by which I obtain a better and much cheaper deodorizing
15 and disinfecting powder or liquid for the above purposes.

Glass' Improvements in Obtaining a Deodorizing and Disinfecting Material.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said William Glass in the Great Seal Patent Office on the 18th April 1856.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM GLASS, Analytical Chemist, formerly of 2, Dahlia Cottages, now of 4, Ingelheim Terrace, Millwall, Poplar, in the County of Middlesex, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Eighteenth day of October, in the year of our Lord One thousand eight hundred and fifty-five, in the nineteenth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said William Glass, Her special licence that I, the said William Glass, my executors, administrators, and assigns, or such others as I, the said William Glass, my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "**IMPROVEMENTS IN OBTAINING A DEODORIZING AND DISINFECTING MATERIAL,**" upon the condition (amongst others) that I, the said William Glass, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said William Glass, do hereby declare the nature of the said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement, that is to say:—

My objects are the disinfection and deodorization of organic and inorganic substances, that is, the removal of the causes of infection and any injurious taint. I thus prevent animal and vegetal or other matter being decomposed, and interrupt such decomposition when it has begun, or destroy hurtful emanations when formed. I effect those objects more perfectly and economically than by chloride of zinc, by using acetate and sulphate of zinc separately or in combination, and thereby obtain a material free from the acid, caustic, and deliquescent properties of the former, besides having the superior advantage of being in the state of powder, and therefore more safe and easy of carriage, as no bottles are necessary to transport it.

Glass' Improvements in Obtaining a Deodorizing and Disinfecting Material.

Having thus stated the nature of my Invention, I will now proceed to describe the manner of performing the same. By sprinkling with the material in powder, or by rinsing, steeping, or injecting with its solution in water or otherwise, the antiseptic or preservative and the deodorizing or purifying
5 powers of this disinfectant may be fully taken advantage of, and thus the decay of a ship's or other timber or stores, and the production of stinking bilge water and other bad odors, may be alike prevented or arrested.

For the disinfection or preservation of timber, canvas, wool, skins, bodies of animals, &c., and for the deodorization or purification of urinals, privies, drains,
10 cesspools, stables, piggeries, cow-houses, slaughter-houses, dissecting rooms, wards of hospitals, dust-bins, cellars, market places, factories, &c., I employ a solution, one pound to ten gallons of water, of the acetate of zinc, or of the sulpho-acetate of zinc, that is, the mixture of the sulphate and acetate, but I prefer to use the acetate alone where expense is not an object; & for obtaining
15 the most economical results from the sulpho-acetate, I mix (85) eighty-five parts by weight of the sulphate with (15) fifteen parts by weight of the acetate. I do not, however, confine myself to these proportions, as they may be varied in some cases with advantage.

For deodorizing offensive gases from gas works, or other factories or places,
20 I employ charcoal, sawdust, or other fibrous substances imbued with a solution of the acetate or sulpho-acetate, or mixed with it in fine powder.

I do not claim the use of sulphate of zinc alone for the purposes of disinfection, or for the use of salts of zinc in preserving seeds, potatoes, and other roots from decay, &c., but I claim the use of acetate of zinc alone, or in
25 combination with sulphate of zinc, whether they are kept separate previous to use, or combined together in a powder or solution as a sulpho-acetate, for the purposes of disinfection and deodorization.

In witness whereof, I, the said William Glass, have hereunto set my hand and seal, this Seventeenth day of April, in the year of our Lord
30 One thousand eight hundred and fifty-six.

WILLIAM GLASS. (L.S.)

LONDON:

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