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# UNITED STATES PATENT OFFICE.

ALEXANDER S. HOROVITZ, OF PASSAIC, NEW JERSEY.

## DISINFECTING COMPOSITION.

1,154,925.

Specification of Letters Patent.

Patented Sept. 28, 1915.

No Drawing. Application filed January 14, 1914, Serial No. 812,035. Renewed January 23, 1915. Serial No. 4,078.

To all whom it may concern:

Be it known that I, ALEXANDER S. HOROVITZ, a subject of the King of Hungary, and resident of Passaic, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Disinfecting Compositions, of which the following is a specification.

The present invention relates to a disinfecting composition, and has for one of its objects to produce a non-poisonous compound which is adapted for use as an antiseptic and as a disinfectant.

Another object of the invention is to provide a compound of this character that is effective in use, and which can be manufactured on a commercial scale, or in other words one which is not so difficult to produce as to be beyond the reasonable cost of such an article.

The composition consists of the following ingredients combined, preferably, in the proportions stated, viz:

Green potassium soap.....	45	parts by weight.
Aqueous solution of formaldehyde.....	41	" " "
Alcohol.....	13½	" " "
Lavender oil.....	¼	" " "

These ingredients are brought together in the following manner: The aqueous solution of formaldehyde and alcohol are thoroughly mingled by agitation, after which the lavender oil is added thereto, the soap being then dissolved in the mixture so obtained.

The aqueous solution of formaldehyde should be, preferably, 35 to 40% strong; the alcohol should be, preferably, ethyl alcohol, if the composition is to be used for surgical purposes, otherwise methyl alcohol will serve the purpose. It is obvious that, instead of lavender oil, any other suitable perfume may be made use of.

It should be noted that, while herein stated proportions of the composition have been specified, the same may be brought together in any other suitable proportions, depending largely upon the use to which the composition is to be put.

In use the composition is diluted with water, preferably distilled water, one-quarter to one-half of an ounce of the composition being brought together with one quart of water, according to the strength to be obtained. The soap, which in itself acts as an antiseptic and disinfectant, together with the alcohol readily attacks the greasy and oily matter of the article or part of the body to be cleansed, holding in suspension and removing mechanically the particles of dust and other insoluble matter, thus clearing effectively the way for the action of the aqueous solution of formaldehyde which has long been used as a powerful disinfectant.

I am aware that green potassium soap and formaldehyde have been used separately as antiseptics and disinfectants, but I am not aware that the several ingredients have been used together.

What I claim is:—

The herein described disinfecting composition consisting of green potassium soap forty-five parts by weight, aqueous solution of formaldehyde forty-one parts by weight, and alcohol thirteen and one-half parts by weight.

Signed at New York, in the county of New York and State of New York, this 29th day of December, A. D. 1913.

ALEXANDER S. HOROVITZ.

Witnesses:

S. BIRNBAUM,  
WILLIAM BLOCK.