

UNITED STATES PATENT OFFICE.

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VORM. FRIEDR. BAYER & CO., OF ELBERFELD, GERMANY, A CORPORATION OF GER-
MANY.

DISINFECTING-SOAP.

1,027,707.

Specification of Letters Patent.

Patented May 28, 1912.

No Drawing.

Application filed November 1, 1910. Serial No. 590,144.

To all whom it may concern:

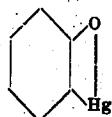
Be it known that I, MAX ENGELMANN, doctor of philosophy, chemist, citizen of the German Empire, residing at Elberfeld, Kingdom of Prussia, Germany, have invented new and useful Improvements in New Disinfecting-Soap, of which the following is a specification.

My present invention relates to the manufacture and production of new disinfecting soaps.

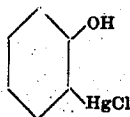
The process for their production consists in mixing soaps with mercuric phenolates or their salts.

The new soaps possess valuable therapeutic properties and the fact that they are non-irritant and penetrate freely into the depth of the loosened tissue renders them highly valuable as disinfecting and therapeutic agents.

In order to illustrate the new process more fully the following example is given, the parts being by weight: In a suitable mixing apparatus 20 parts of ortho-phenyl-enemercuric oxid

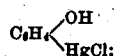


in the shape of its sodium salt (which is obtained by treating ortho-oxyphenylmercuric chlorid

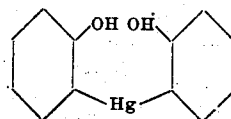


with two molecules of NaOH) are intimately mixed with 1000 parts of a neutral medicinal potassium or sodium soap. The soap is then finished in the usual way. It is a white preparation. Soaps of any convenient percentage of mercury can thus be obtained.

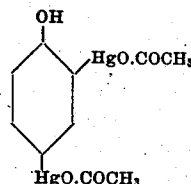
Other mercuric phenols may be used, as such or in the shape of their salts, such as ortho-oxy-phenylmercuric chlorid



ortho-mercuric phenol:



benzoyl-ortho-oxyphenyl-mercuric chlorid $C_6H_4.OCO.C_6H_4.HgCl$ para-oxyphenylmercuric chlorid $OH.C_6H_4.HgCl$, oxyphenylene-dimercuridacetate.



hydrargyrum carbolicum $C_6H_5.O.HgO.C_6H_5$, or the analogous compounds being derivatives of cresols, pyrocatechin, chlorophenols, naphthols, guaiacol, etc.

I claim:—

1. The herein described medicinal soaps comprising soap constituents and mercuric phenols, being substantially free from excess of alkali, non-irritant, and possessing valuable therapeutic and disinfecting properties, substantially as described.

2. The herein described medicinal soaps comprising soap constituents and mercuric phenols, being substantially free from excess of uncombined phenols, non-irritant, and possessing valuable therapeutic and disinfecting properties.

3. The herein described medicinal soaps comprising soap constituents and a mercuric derivative of an unsubstituted phenol, being substantially free from excess of uncombined phenol, non-irritant, and possessing valuable therapeutic and disinfecting properties.

4. The herein described medicinal soaps comprising soap constituents and ortho-phenylene mercuric oxid substances.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

MAX ENGELMANN. [L. S.]

Witnesses:

WALTER VONNEGUT,
ALFRED HENKEL.