

UNITED STATES PATENT OFFICE.

WALTER SCHOELLER AND WALTHER SCHRAUTH, OF BERLIN, GERMANY, ASSIGNORS
TO FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., OF ELBERFELD, GERMANY.
A CORPORATION OF GERMANY.

MEDICINAL SOAPS.

967,840.

Specification of Letters Patent. Patented Aug. 16, 1910.

No Drawing.

Application filed May 12, 1909. Serial No. 495,455.

To all whom it may concern:

Be it known that we, WALTER SCHOELLER and WALTHER SCHRAUTH, doctors of philosophy, chemists, citizens of the German Empire, residing at Berlin, Germany, have invented new and useful Improvements in Medicinal Soaps, of which the following is a specification.

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

The process for their production consists in mixing soaps with alkaline salts of complex mercury substituted carboxylic acids of the aliphatic or aromatic series such as are referred to and described in our German Patent No. 208,634, in the publication in the *Berichte der Deutschen Chemischen Gesellschaft*, Vol. 35, page 2870 and in our applications for United States Patents Serial Nos. 497,302 and 497,303.

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:—

Example: In a suitable mixing apparatus 2 parts of the sodium salt of oxymercuric actic acid ($\text{HO.Hg.CH}_2\text{COONa}$) are intimately mixed with 100 parts of a neutral 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 of the above mentioned mercury compounds can be used *e. g.* the sodium or potassium salt of oxymercuric propionic acid.



or of oxymercuric butyric acid



oxymercuric salicylate of sodium



We claim:—

1. The herein-described medicinal soaps comprising alkaline salts of complex mercury carboxylic acids, which soaps possess valuable therapeutic properties being non-irritant and possessing valuable disinfecting properties, substantially as described.

2. The herein-described medicinal soap comprising oxymercuric salicylate of sodium which soap possesses valuable therapeutic properties being non-irritant and possessing valuable disinfecting properties, substantially as described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

WALTER SCHOELLER.
WALTHER SCHRAUTH.

Witnesses:

HENRY HASPER,
WOLDEMAR HAUPT.

It is hereby certified that in Letters Patent No. 967,840, granted August 16, 1910, upon the application of Walter Schoeller and Walther Schrauth, of Berlin, Germany, for an improvement in "Medicinal Soaps," errors appear in the printed specification requiring correction as follows: Line 33, the word "actic" should read *acetic*, and line 47, in formula, the symbol " CH_2 " should read C_2H_5 ; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 25th day of October, A. D., 1910.

[SEAL.]

E. B. MOORE,

Commissioner of Patents.