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UNITED STATES PATENT OFFICE.

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HAT-CLEANING LIQUID.

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To all whom it may concern:

Be it known that I, CONRAD POSLUSZNY, a citizen of the United States, and a resident of New Britain, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Hat-Cleaning Liquids, of which the following is a specification.

This invention relates to cleaning preparations, and more particularly to a liquid preparation for cleaning, whitening, and bleaching straw hats, such as leghorns, bangkoks, bundles, and the like.

One object of the present invention is to provide an improved hat-cleaning liquid which will be simple, easy and safe to use, and very efficient in operation. With these and other objects in view, there has been disclosed herein one example of a hat-cleaning liquid embodying the principles of the invention.

Former preparations for cleaning straw hats were unsatisfactory because they were likely to burn the straw during the cleaning operation, and the straw had a tendency to rapidly turn brown thereafter. Moreover such former preparations would not remove unusual stains such as ink and iron rust stains. Such preparations destroy the original shine of the straw and injure the general appearance of the hat to a considerable degree.

By means of the present invention an improved hat-cleaning liquid has been provided which will avoid the above and other disadvantages. Straw hats when treated with this improved cleaning liquid will not burn or become brown, and the original shine and luster of the straw will be preserved. Moreover, ink and rust stains will be positively eradicated.

A preferred form of hat-cleaning liquid will now be described, by way of example.

In making the preferred form of hat-cleaning liquid, a quart of water will first be heated to the boiling point in any suitable receptacle. The following ingredients will then be added slowly to the receptacle, while stirring the mixture constantly until it has attained a smooth even consistency:

2 teaspoons of sodium hyposulphite.
½ teaspoon of salts of lemons, consisting of potassium binoxalate and quadroxolate.
1 teaspoon of sugar of lead (lead acetate).
1 teaspoon of sulphur.
2 teaspoons of oxalic acid.
1 teaspoon of powdered chalk.

The completed mixture will then have the following proportions: 96.7% water, .94% sodium hyposulphite, .24% salts of lemons, .47% lead acetate, .47% sulphur, .94% oxalic acid, and .24% of powdered chalk.

After the several ingredients have been thoroughly commingled, the preparation should be allowed to cool. The liquid is then ready for immediate use, or it may be poured into suitable containers for storage or shipment. The hat-cleaning liquid thus made is very easy to apply, may be kept indefinitely before use, and is non-inflammable.

The oxalic acid and the sodium hyposulphite act as a bleach upon the straw—the hyposulphite also serving to prevent the oxalic acid from burning or "browning" the material. The chief function of the salts of lemons is to remove unusual stains such as ink and rust marks. The sulphur and powdered chalk act as covering agents, much in the manner as a paint. The sugar of lead causes a more complete blending of the ingredients of the mixture.

While there has been disclosed in this specification one example of a hat-cleaning liquid embodying the principles of the invention, it will be understood that the invention is not to be limited to this example, but may be modified and embodied in various other forms without departing from its spirit. In short, the invention includes all the modifications and embodiments coming within the scope of the following claims.

Having thus fully described the invention, what is claimed as new and for which it is desired to secure Letters Patent is:

1. A straw hat-cleaning liquid consisting of a mixture of water, sodium hyposulphite, salts of lemons, lead acetate, sulphur, oxalic acid, and powdered chalk.

2. A straw hat-cleaning liquid consisting of a mixture of about 96.7% water, .94% sodium hyposulphite, .24% salts of lemons, .47% lead acetate, .47% sulphur, .94% oxalic acid, and .24% of powdered chalk.

In testimony whereof, I have affixed my signature to this specification.

CONRAD POSLUSZNY.