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# UNITED STATES PATENT OFFICE.

JOHN BARRINGTON, OF BROOKLYN, NEW YORK.

## WASHING AND BLEACHING COMPOUND.

1,160,563. Specification of Letters Patent. Patented Nov. 16, 1915.

No Drawing. Application filed June 11, 1915. Serial No. 33,509.

*To all whom it may concern:*

Be it known that I, JOHN BARRINGTON, a citizen of the United States, residing at Brooklyn, in the county of Kings, State of New York, have invented a new and useful Washing and Bleaching Compound, of which the following is a specification.

My invention relates to a new and useful washing and bleaching compound and has for its object to precipitate the lime, magnesia and other hardness in water and to cleanse and bleach cotton material without rubbing.

The compound consists of a mixture of perborate of sodium, borax, and a neutral product (not alkaline) such as mono-phosphate of sodium.

As an example of the proportions which I may use, and which has been found in practice to give satisfactory results, I combine 20% of perborate of sodium, 40% of borax and 40% mono-phosphate of sodium. Other proportions may be employed, but the above have given the best results.

The method usually employed is to place 5 ounces of the compound in a wash boiler of cold water and add about 3 ounces of shaved soap after which the soiled cotton clothes are immersed. This is brought to a boil and boiled about twenty minutes after which the clothes are removed, rinsed and dried.

By the use of the neutral product (not alkaline) mono-phosphate of sodium, the lime, magnesia, etc., in hard water, when boiled, will be chemically precipitated so that the water is softened and permits the action of the other compounds to become more easily effective, the borax cleaning, and the sodium perborate bleaching, the cotton goods.

In this manner, the cleaning and bleaching is accomplished while rubbing of the clothes is obviated and injury to the fabric is thereby prevented.

It is not desired to limit the invention to the exact proportions as herein set forth, as the same may be modified, depending upon conditions.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A washing and bleaching compound consisting of a mixture of perborate of sodium, borax and a salt (not alkaline).

2. A washing and bleaching compound consisting of a mixture of perborate of sodium, borax and mono-sodium phosphate.

JOHN BARRINGTON.

Witnesses:
GEORGE TOLLEY,
WILLIAM A. KEATING.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."