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UNITED STATES PATENT OFFICE.

HERMAN STERN, OF CLEVELAND, OHIO.

DETERGENT.

SPECIFICATION forming part of Letters Patent No. 651,536, dated June 12, 1900.

Application filed August 2, 1899. Serial No. 725,846. (No specimens.)

To all whom it may concern:

Be it known that I, HERMAN STERN, a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new
 5 and useful Improvements in Cleansing Compounds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make
 10 and use the same.

This invention relates to an improved cleansing compound suitable for cleaning dirty or soiled goods or fabric—such, for instance, as plush, silks, carpets, &c.

15 This compound results from the mixing of oxalic acid, ammonia, bicarbonate of soda, borax, turpentine, permanganate of potash, and water. The proportions suitable for ordinary work are about six ounces of ammonia, six ounces of borax, three ounces of
 20 turpentine, six ounces of oxalic acid, six ounces of bicarbonate of soda, and four ounces of permanganate of potash to about one gallon of water; but the proportions will vary
 25 according to the nature or character of the goods that require cleaning and according to the nature and character and quantity of the dirt that is to be removed. The use of hot

water is preferable to cold water, and ammonia of medium or greater strength is preferable. 30

The compound is applied to the goods by thoroughly scrubbing them with a brush, becomes saturated with the dirt, and is then scraped off in any approved manner, and thereupon the goods are sponged with warm
 35 water, which completes the cleaning operation.

The use of permanganate of potash is important for the purpose of softening the solution and brightening the goods, and, furthermore, when permanganate of potash is used either hard or soft water can be used; but of course more permanganate of potash is used with hard water than with soft water. 40

What I claim is—

45 The cleansing compound herein described, resulting from the mixing of oxalic acid, ammonia, bicarbonate of soda, borax, turpentine, permanganate of potash and water.

Signed by me at Cleveland, Ohio, this 27th
 50 day of July, 1899.

HERMAN STERN.

Witnesses:

C. H. DORER,
 A. H. PARRATT.