

UNITED STATES PATENT OFFICE.

RICHARD W. CHAPPELL, OF CHICAGO, ILLINOIS.

IMPROVED WASHING COMPOUND.

Specification forming part of Letters Patent No. 49,977, dated September 19, 1865.

To all whom it may concern:

Be it known that I, RICHARD W. CHAPPELL, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improved Washing Compound; and I do hereby declare that the following is a full, clear, and exact description of the same.

The nature of my said invention consists in compounding together, in certain specified proportions, certain ingredients, hereinafter mentioned, forming a compound to be used for washing purposes, whereby a great saving in time, labor, and convenience is effected.

To enable those skilled in the art to compound and make use of my invention, I will proceed to describe the same with particularity.

The ingredients used in making my washing compound are unslaked lime, sal-soda, borax, salt of tartar, ammonia, alcohol, and water.

I compound the ingredients in the following manner: I boil one-half of one pound of unslaked lime in one gallon of water for about five minutes, and let the liquid stand until it can be drawn off from the lime clear, which is then done. I then dissolve six pounds of sal-soda, one and one-half pound of borax, and four ounces of salt of tartar in one gallon of hot water, adding and stirring in, when cold, four ounces of liquid ammonia and one-half of one pint of alcohol, which is then mixed with the gallon of lime-water aforesaid, and to these two gallons are then added eight gallons of cold water, and the whole thoroughly stirred and intermingled, making ten gallons of the compound, or thereabout.

For a less quantity of the compound the quantities of the ingredients should be proportionally less and for a greater quantity proportionally greater. Nor do I confine myself

to the precise quantities herein specified, as the same may be varied to some extent without changing its nature or result.

To use my invention I give the following general directions: The soiled clothes, after being rubbed over with soft soap as regards those parts which are most soiled, are put to soak over night. In the morning have ready in a boiler four gallons of hot water, to which add one-half pint of the aforesaid compound and one-half pint of soft soap. The clothes should then be wrung out and placed in a tub, and the hot water from the boiler poured upon the clothes, covering them. The same quantity of water and of the said compound is then put into the boiler and heated. After the clothes have remained soaking in the tub as aforesaid about fifteen or twenty minutes, they are rubbed slightly in those places where it may be necessary, and wrung out and put into the boiler and boiled about ten minutes, after which they may be rinsed, and blued if desired, and hung out to dry. The finer and cleaner pieces should be washed separately from the more soiled and coarser garments, and the same mixture used for the finer clothes and those soiled but little may afterward be used for the coarser clothes.

Having described the manner of compounding and using my invention, I will now specify what I claim and desire to secure by Letters Patent.

I claim—

A washing compound composed of the herein-described ingredients, in the proportions substantially as herein specified and described.

Witnesses: R. W. CHAPPELL.

W. E. MARRS,
L. L. COBURN.