

~~Use~~ wood ashes

Lime

Alum

Borax

Salt-peter

Soft Water

Examined

Grease

Alum

Salt-peter

Lye

Lime

Soda

Tartar

Borax

Water

UNITED STATES PATENT OFFICE.

JOSEPH BRADDOCK, OF HUNTINGTON, INDIANA.

IMPROVEMENT IN WASHING COMPOUNDS.

Specification forming part of Letters Patent No. **158,163**, dated December 29, 1874; application filed August 25, 1874.

To all whom it may concern:

Be it known that I, JOSEPH BRADDOCK, of Huntington, in the county of Huntington and State of Indiana, have invented certain new and useful Improvements in Compounds for Washing; 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 and use it.

My invention relates to a new washing compound, to be used as a substitute for soap, and consists in the combination or compound composed of the following ingredients, in the proportions substantially as set forth: Sifted hard-wood ashes, one pound; unslaked lime, one ounce, avoirdupois; alum, one dram, avoirdupois; borax, one dram; saltpeter, one-half dram, avoirdupois; soft water, one quart.

The following is a description of the mode of preparing the compound: In the water put the ashes, and boil for about twenty minutes; let it settle, and pour off the fluid; add the lime to the fluid, and heat to a boiling-point; let it settle, and again pour off the fluid; put in the alum, borax, and saltpeter; boil until all are melted or dissolved; let it again settle; pour off the clear fluid, and you have the compound—about one pint—left. The ashes make it caustic; the lime and saltpeter act upon oily and fatty substances; the borax and alum prevent fulling, and preserve the colors.

This compound is to be used for the same purposes as soap generally, but it acts more

quickly, requires less work, such as rubbing; preserves the fabric and colors in a degree not equaled by any compound with which I am acquainted. It can be used for removing grease and stains not only from fabrics, clothing, &c., but also from wood-work, furniture, frames, ornamental work, &c. It is also very cheap, easily produced, and can be manufactured in small quantities at a few cents per gallon. I find that one gallon of this compound is equal to about eight pounds of soap of the ordinary quality usually sold to the trade.

I am aware that a compound or soap has before been made, composed of grease, alum, salt-peter, lye, lime, soda, tartar, borax, and water; but this is made in hard cakes, to be used in a solid form, like the ordinary soap.

This, therefore, I do not claim; but

What I do claim as new, and desire to secure by Letters Patent, is—

The liquid washing and erasive compound composed of hard-wood ashes, lime, alum, borax, saltpeter, and soft water, prepared and compounded in the proportions as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of August, 1874.

JOSEPH BRADDOCK.

Witnesses:

MILTON SLATER,
ALFRED MOORE.