UNITED STATES PATENT OFFICE.

DAVID STANTON, OF WAYMART, PENNSYLVANIA, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO HENRY S. WELLES, OF NEW YORK CITY, N. Y.

IMPROVEMENT IN SAPONACEOUS COMPOUNDS FOR CLEANING COTTON-WASTE AND MACHINERY.

Specification forming part of Letters Patent No. **184,990**, dated December 5, 1876; application filed November 23, 1876.

To all whom it may concern:

Be it known that I, DAVID STANTON, of Waymart, in the county of Wayne and State of Pennsylvania, have invented certain new and useful Improvements in Compounds for Cleaning Cotton-Waste and Machinery, and other purposes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has reference to a compound particularly useful in cleaning cotton-waste and different parts of machinery.

To form the compound I make use of water, thirty-two gallons; carbonate of ammonia, four ounces; carbonate of potassa, four ounces; sal-soda, ten pounds; soap, four pounds; sal-ammoniac, four ounces; red lead, one-half pound.

The proportion of red lead may vary from one-half pound to one pound, the proportion being regulated according to the quantity of oxidation and grease to be removed from the substance under treatment.

To the compound formed as described there may be added glycerine, four ounces, more or less, to take from the compound the hardness or harshness that it might otherwise have.

I have mentioned glycerine as one of the ingredients of my compound. This ingredient is added to take from the compound the roughness which it would have to the hands if it were omitted; but it may be omitted without affecting the effective working of the compound.

The ingredients can be mixed in any suitable vessel by simply adding the one ingredient to the other, and thoroughly stirring or agitating the compound.

The mixing may be facilitated by heating the ingredients during the process of compounding them.

I have mentioned certain definite proportions of the ingredients to be used; but these proportions may be varied without affecting the efficiency of my compound. The active principles of carbonate of ammonia and carbonate of potassa being well known, the proportions may be increased or diminished, as more or less of that active principle is desirable in the compound. For instance, the proportion of carbonate of ammonia may vary from four ounces to eight ounces, and the carbonate of potassa from four ounces to eight ounces, and the soap from four pounds to six pounds.

All the variations herein mentioned may be made without affecting the spirit of my invention, the essential thing being the combination of the ingredients mentioned, of which certain working proportions are given.

The soap used in the compound may be any of the ordinary kinds in use, provided it be good.

A very important constituent element of this compound is red lead, which, by long and continued experiment, I have found, when added to a saponaceous body, to materially improve the efficiency of the compound in cleansing the substance to which the compound may be applied.

This compound may be very satisfactorily used in brightening the machinery being cleaned by adding to the compound pulverized pumice-stone and tripoli, in the proportion of two ounces of the stone and one ounce of the tripoli to one gallon of the compound.

The compound may also be used for cooling hot journals by adding to it pulverized soapstone and pulverized black-lead, in the proportion of two ounces of the former and one ounce of the latter to one gallon of the compound.

Having described my invention, what I claim is—

1. The within-described compound, composed of carbonate of ammonia, carbonate of potassa, sal-ammoniac, sal-soda, soap, red lead, and water, in about the proportions specified.

2. A saponaceous compound having red lead as one of the ingredients, for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

DAVID STANTON.

Witnesses:
N. GOLDSBOROUGH,
WM. S. HENDERSON.