

United States Patent Office.

WILLIAM PATTERSON PUGH, OF HIGH POINT, NORTH CAROLINA.

Letters Patent No. 97,692, dated December 7, 1869.

IMPROVEMENT IN THE MANUFACTURE OF SOAP.

The Schedule referred to in these Letters Patent and making part of the same.

I, WILLIAM PATTERSON PUGH, of High Point, in the county of Guilford, in the State of North Carolina, have invented, compounded and used a Detergent Glycerine Soap.

The nature and advantage of my invention consist in the production of a compound possessing detergent properties greatly in excess of what can be accounted for by its alkalinity.

I take of sal-soda, farina of any of the ordinary cereals, common soap, eight parts each; chloride of ammonium, one part; water, fifty parts.

Put the water, the sal-soda, and the soap over the fire, and let them simmer one hour, stirring all the while to prevent them from incrusting on the bottom and at the edges, as the evaporation will not keep the temperature at 212° , but will allow it to go much above.

Lastly, add the chloride of ammonium, and remove

from the fire, continuing to stir until ebullition ceases. Then decant into a shallow vessel, and divide, when nearly cool, into cakes of suitable size.

This combination and process, if each part be a pound, will yield sixty-five pounds of beautiful hard soap, at a cost of less than three cents per pound.

The proportion of water may be increased until a nice jelly soap will cost less than a half a cent per pound.

What I claim as my invention, and desire to secure by Letters Patent, is—

The improved soap herein described, made by combining the materials herein named, substantially in the manner described.

WILLIAM PATTERSON PUGH.

Witnesses:

V. D. STOCKBRIDGE,
P. M. CLARK.