

United States Patent Office.

DEXTER D. W. ABBOTT, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND HENRY W. PEABODY & CO., OF SAME PLACE.

Letters Patent No. 104,812, dated June 28, 1870.

IMPROVEMENT IN EMERY-SOAP FOR POLISHING AND CLEANSING.

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

To all whom it may concern:

Be it known that I, DEXTER D. W. ABBOTT, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Soap; and I do hereby declare that the following is a description of my invention sufficient to enable those skilled in the art to practice it.

My invention relates to the manufacture of a polishing or grinding-soap, acting not only by its detergent power, but by attrition, to remove dirt and produce smooth, clean surfaces.

Sand-soap and pumice-soap are well known, and my invention bears some relation to these soaps, in that I combine with the soap an abrasive mineral powder.

My improvement consists, however, in the employment of a native emery-powder, the particles of which, by aqueous attrition, have become nearly uniform in size and form.

This native emery or mineral powder is composed mostly of silica, it having about ninety-three per cent. of silica, and about seven per cent of aluminum, iron, &c.

In the preparation of the soap I use the finest grade of the emery-powder, or what might be called the flour of emery, the particles of which, though very fine, are entirely free from dirt, and are hard and sharp, having the power, when used in connection with the soap, of gradually removing, by abrasion, all foreign matter from surfaces upon which the soap is used, and of reducing asperities upon metal work, and imparting a bright luster and smoothness to metal work. For this reason the soap is a very valuable agent to be used in the kitchen in scouring tins and brasses, cleansing and polishing the surfaces without producing any scratches.

As a toilet soap, also, this article is very valuable, as it is not rough or harsh upon the skin.

I claim, as a new article of manufacture, the abrasive soap formed with the abrading powder described. Executed May 25, A. D. 1870.

DEXTER D. W. ABBOTT.

Witnesses:

J. B. CROSBY,
FRANCIS GOULD.