UNITED STATES PATENT OFFICE

WALTER A. ROBINSON, OF SYRACUSE, NEW YORK, ASSIGNOR OF ONE-HALF TO JOHN S. ROBINSON, OF SKANEATELES, NEW YORK.

COMPOSITION FOR ARCHITECTURAL PURPOSES.

SPECIFICATION forming part of Letters Patent No. 565,507, dated August 11, 1896.

Application filed April 4, 1896. Serial No. 586,239. (No specimens.)

To all whom it may concern:

Be it known that I, WALTER A. ROBINSON, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Compositions for Architectural Purposes, of which the following is a full, clear, and exact description.

This invention relates to improvements in compositions for architectural purposes, having special reference to wall-plasters.

My object is to produce a wall-plaster of that class known as "quick-setting wall-plaster;" and to that end my invention consists in mixing and commingling together the several ingredients hereinafter set forth, dry, so that they may be shipped to the place where it is desired to use them, then mix with water, so as to make it plastic, for the purpose of laying it.

I first take about eight hundred pounds of dry sand, three hundred pounds of plaster-of-paris, two hundred pounds of clay, which forms the base. To this I add about two pounds of fiber or hair or some other cellulose matter to give it toughness. To this I add one pound of glue, one pound of sugar of lead, one quart of nitric acid, two pounds of Irish moss, and two pounds of white lead, powdered. The sugar of lead acts to keep the glue from setting and tends to harden the mixture. The Irish moss acts to prevent the cracking of the walls and tends to give the walls a polish, while the white lead is for the purpose of securing a smoother appearance and allows the material to be worked easier.

All of the ingredients herein named, except the sand, plaster-of-paris, fiber, and clay, may be termed a "chemical," and may be mixed separately and added to the base when desired, or this chemical may constitute an article of merchandise and be shipped to various parts where the business is found in order to obviate the necessity of transporting sand, clay, and the plaster-of-paris long distances.

Common ordinary clay may be used, but I prefer to use as white clay as possible, as it produces a whiter finish to the walls.

In speaking of clay I mean the ordinary composition which is found in nature and comprises chiefly alumina and silica with a certain amount of water.

Having described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. A composition of wall-plaster comprising, sand, plaster-of-paris, clay, fiber, sugar of lead, nitric acid, Irish moss, glue and white lead powdered.

2. The herein-described composition for the purpose set forth comprising sugar of lead, nitric acid, glue, Irish moss, and white lead powdered.

In witness whereof I have hereunto set my hand this 28th day of March, 1896.

WALTER A. ROBINSON.

In presence of—
MAUDE E. COOKE,
HOWARD P. DENISON.