UNITED STATES PATENT OFFICE.

ALFRED A. ANIBA, OF IONIA, MICHIGAN.

COMPOUND.

SPECIFICATION forming part of Letters Patent No. 342,313, dated May 25, 1886.

Application filed July 17, 1885. Serial No. 171,876. (No specimens.)

To all whom it may concern:

Be it known that I, ALFRED A. ANIBA, a citizen of the United States, residing at Ionia, in the county of Ionia and State of Michigan, have invented a new and useful Improvement in Compounds, of which the following is a specification.

My invention relates to a process and compounds for finishing or coating the walls of houses and the like; and the novelty consists in the various steps and compounds, substantially as hereinafter fully set forth and claimed.

The object of my invention is to coat and finish the walls of a house or dwelling to resemble brick or stone, and to give a smooth and even exterior appearance thereto, and to render the compound or mixture applied thereon to fill the interstices and give a smooth surface to the wall hard and durable, and not liable to break or crack.

The process and compound in their several proportions for carrying my invention into effect are as follows:

I first apply, by means of a trowel or other implement, a compound consisting of linseed-oil, fifty (50) parts; water-lime, twenty-five (25) parts; yellow ochre or any other suitable coloring-matter, twelve and a half (12½) parts, and quicklime, twelve and a half (12½) parts, the whole ingredients above enumerated being thoroughly mixed and sand in sufficient quantity added to bring the compound to the consistency of a mortar, which is then applied, as above stated, by a trowel or other implement in a thin coat to the exterior surface of a wall, filling up the interstices in and between the bricks and leaving a smooth exterior surface thereto. If preferred, the smooth surface to the compound may be secured by rubbing the same with a suitable implement or a brick.

The second step of my process consists in applying to the first coat, by means of a brush, a compound consisting of yellow ochre, thirty-three and a third (33⅓) parts; iron minerals, of a reddish or brownish color or of the class known as "magnetic pyrites of iron," sixty-six and two-thirds (66⅔) parts, and linseed-oil in sufficient quantity to reduce the ochre and minerals to a thin consistency. This second coat serves to harden the first compound applied, in a degree, and render the same more durable.

After the second coat has dried a third coat, which forms the third step of my process, is applied, and which comprises a compound composed of linseed-oil, fifty (50) parts; white lead, twenty-five (25) parts; yellow ochre or other suitable coloring-matter, twelve and a half (12½) parts; and iron minerals of a brownish or reddish color, or those of the class known as "pyrites of iron," twelve and a half (12½) parts, the ingredients being thoroughly mixed and reduced to a thin consistency by the oil to permit it to be applied by a brush.

The fourth step of my process consists in applying to the surface of the wall, while it is yet damp or wet and before the third coat has dried, a mixture of fine sand and pumice or pumice-stone in the proportion of four (4) pounds of pumice to half a barrel or forty pounds of sand, said mixture being thoroughly comminuted and applied by "blowing" with a bellows of the class in common use or other instrument. The mixture of sand and pumice serves to add to the strength of the surface, and to harden the same.

The wall is then "blocked," which comprises the fifth step of my process, by dividing the same into rectangles or squares by drawing horizontal and vertical lines, which intersect with each other in such manner as to resemble or imitate brick or stone.

The sixth step consists in applying a finishing coat of the same mixture or compound set forth in the third step of my process, said mixture consisting of linseed-oil, white lead, yellow ochre, and iron minerals in the proportions hereinbefore specified, and applied with a brush.

The seventh step of my improved process consists in variegating the external appearance of the surface of the wall or first coat by means of mixtures of ochre and oil, brown minerals and oil, and red minerals and oil, the several mixtures being reduced to thin consistencies and applied by small brushes in undulated lines, to indicate the veins in the stone it is designed to imitate, said lines intersecting with each other, crossing or running parallel with each other, as desired.

The eighth and final step of my process consists in blowing a mixture of sand and pumice from a bellows or other instrument against the face of the wall while the lines in imita-

tion of the veins are still wet, so as to cause the mixture to adhere thereto.

To summarize, my process consists, briefly, in the following steps, to wit: first, applying a filling compound to form the basis; secondly, applying two or more coats of hardening coloring-mixtures; third, sanding the hardening coats; fourth, blocking the sanded basis to imitate brick or stone; fifth, giving the surface a variegated appearance to imitate the veins in the sandstone; and, sixth and lastly, sanding or blowing the vein-lines applied at the fifth step, just described.

A wall or other place finished and coated in accordance with my invention presents a handsome appearance, in close imitation of sandstone, and the mixture is durable and hard, and not liable to crack or fall down.

To finish a wood, tin, or iron surface, I employ the compounds set forth in the second, third and fourth, fifth, sixth, seventh, and eighth steps of my process, in the order enumerated, and applied and used as hereinbefore fully set forth.

I am aware that it is old to apply a plaster coating to the walls of buildings and line off the coating in blocks in imitation of stone; hence I lay no broad claim to this construction.

My invention consists in variegating the sanded surface to imitate the veins of stone, marble, &c., and then sanding the veins to cause them to stand out from the ground-work.

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

The process herein described of finishing the walls of buildings, consisting of variegating the sanded surface, so as to give thereto a vein-like appearance in imitation of the veins or lines in different stones, &c., and then sanding the veins in the variegated surface to cause the veins to stand out from the ground-work, for the purpose set forth.

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

ALFRED A. ANIBA.

Witnesses:
JOHN H. MITCHELL,
L. V. DEAN.