

UNITED STATES PATENT OFFICE.

CHARLES LOUIS FLEISCHMANN, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN THE MANUFACTURE OF ORNAMENTAL EARTHENWARE.

Specification forming part of Letters Patent No. 128,479, dated July 2, 1872.

Specification of CHAS. LOUIS FLEISCHMANN, of Washington, District of Columbia, describing an Improved Process in the Manufacture of Ornamental Earthenware.

Take a flexible material with a smooth even surface—paper, for instance—and coat one side of it with paste, glue, or gum; upon that coating, when dry, print, stamp, or draw with a mixture of vitreous substances and glue, paste, gum, or oil, any desired device. This mixture is put on as thick as possible, and while wet it is dusted over with finely-pulverized vitreous substance of the same sort and color as that which is used for making the figure. When the figure is sufficiently raised it is left to dry. The device thus prepared is now ready to be applied to the tiles, bricks, or other fabrics which are intended to be ornamented.

Operation.

The paper prepared in the above-described manner is placed in a mold, with the coated and stamped side upward. Upon the paper is put a layer of finely-pulverized clay, in sufficient quantity to cover the figure completely, forming the ground upon which the figure appears. Upon the clay a cement or coarser

clay may be put, and when the mold is filled the contents are submitted to a powerful pressure, which forces the clay upon the exposed portions of the paper, thus filling up all the spaces between the lines of the figure and producing a smooth and even surface of the fabric. The natural moisture of the clay softens the first coating of the paper and makes it adhere to the clay, protecting the surface of the fabric from injury, and keeping the vitreous composition of the figure in place. The paper can be removed before the fabric is put in the kiln, but the fire consumes it without injury to the fabric. In the process of burning, the vitreous substance in which the figures are delineated combines with the clay, producing a clean sharp outline of the figure.

What I claim as my invention is—

The process of incorporating into fabrics of clay, kaolin, or any other argillaceous substances, figures made of vitreous compositions, substantially as and for the purpose hereinbefore set forth.

CH. L. FLEISCHMANN.

Witnesses:

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