

(No Model.)

S. VAN CAMPEN.  
DECORATIVE TILE.

No. 265,721.

Patented Oct. 10, 1882.

Fig. 1.

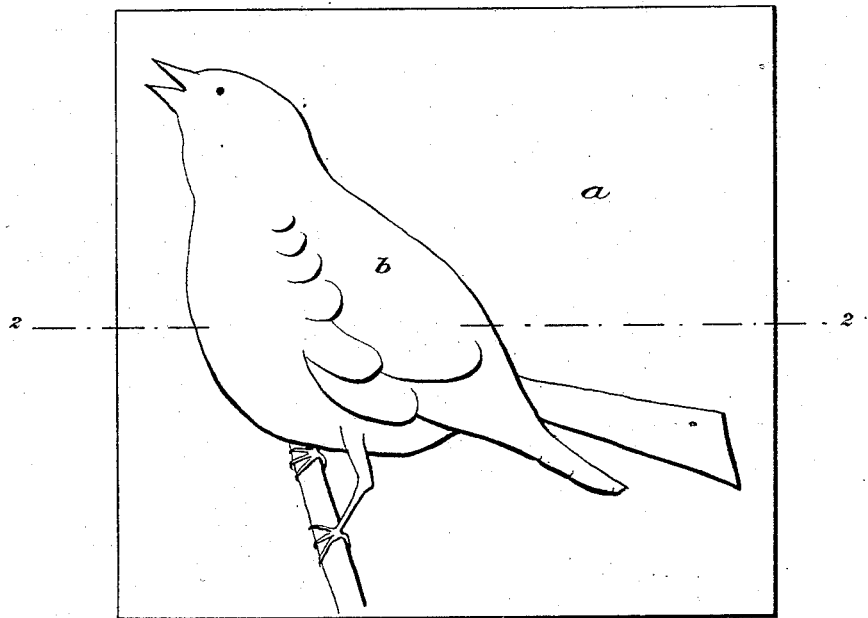


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## DECORATIVE TILE.

SPECIFICATION forming part of Letters Patent No. 265,721, dated October 10, 1882.

Application filed July 28, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, SAVILLION VAN CAMPEN, a citizen of the United States, residing at New York, in the county and State of New York, have invented a new and useful Improvement in Decorative Tiles, of which the following is a specification.

My invention relates to the production of decorative tiles as an article of manufacture for wainscoting, panels, boxes, and other articles of furniture and for ornamental decoration; and the object of my improvement is the economical manufacture of an attractive tile out of cheap material and by a simple process which will resemble and serve the same end for decorative purposes as those made from clay-dust, all as will be hereinafter set forth.

In the accompanying drawings, which serve to illustrate my invention, Figure 1 is a plan view of a tile made according to my improved process; and Fig. 2 is a transverse section thereof, taken on line 2 2 of Fig. 1.

In carrying out my improvement I make the tile entirely of paper, with relief designs on its surface, which are colored, treated with size, and finished up to imitate the surface of pottery tiles.

In the drawings, *a* represents the face-surface of a tile with the figure or design *b* in relief, and *c* a smooth backing of paper or thin pasteboard, which is cemented or pasted to the sheet *a* to give the tile its proper thickness. Upon the paper which is to form the face of the tile is first produced in relief the ornamental figure or design required. This may be accomplished by any one of the present well-known methods of embossing, but preferably by means of suitably-prepared molds. The figure or design for the tile having been produced in relief on the paper, it is then secured by some adhesive substance to a backing of smooth paper or light pasteboard, as seen at *b*. Over the entire upper or relief surface I then spread a thin coat of sizing, which is allowed to become perfectly dry before the tint or color is given to the tile. In preparing the color bath a sufficient quantity of sizing is mixed with the coloring-liquid, so as to give it the proper degree of viscosity to prevent it from flowing too readily from the paper. After the sizing is perfectly dry I dip or immerse the tile into the bath so prepared and then lay it in a flat position, so that the coloring-matter will be free to flow naturally over its irregular surface, in which position it

is left undisturbed until it is dry. I then apply to the colored surface a thin coat of varnish.

Instead of immersing the paper in the color bath, as mentioned, it may be laid in a flat position and the coloring-liquid flowed over it from some suitable receptacle, as in either case the sheet will receive and retain all that it is capable of, and the gradations of color will be effected by the natural tendency of the liquid to settle more or less in the sunken or depressed portions of the surface, so that the figures in relief will be left of a lighter tint, varying in depth, and thus a pleasing effect will be produced, resembling brush-shading.

In some cases I may prefer to submit the colored tile to the action of heat as a finishing step to render the surface harder; but the desirability of this step depends entirely upon the use to which the tile is to be put, but for all general forms of ornamentation the baking process is unnecessary.

Tiles manufactured from paper by this process are inexpensive in construction, and are adapted for use in nearly all the forms of decoration where pottery tiles are now employed, such as ornamental wainscoting, boxes, panels for furniture, and in the form of plaques, decorative fans, and other similar fancy articles for household embellishment.

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

1. As a new article of manufacture, a decorative tile made of paper and finished in the manner herein described in imitation of pottery tiles.

2. The process herein described of making decorative tiles of paper which consists in first producing designs in relief on a sheet of paper, spreading over the relief-surface a coat of size, and then flooding the surface with a coloring solution, which is allowed to settle thereon in a natural manner, as and for the purpose set forth.

3. The process of manufacturing papertiles, consisting in producing figures in relief on a sheet of paper, securing the same to a backing of smooth paper, coating the relieve-surface with size, and flowing over it a coloring solution containing size, and then applying a coat of varnish, substantially as set forth.

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Witnesses:

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