No. 667,444. Patented Feb. 5, 1901.

J. D. KYLE.

DECORATION AND PROCESS OF MAKING SAME.

(Application filed Feb. 12, 1900.)

(No Model.)

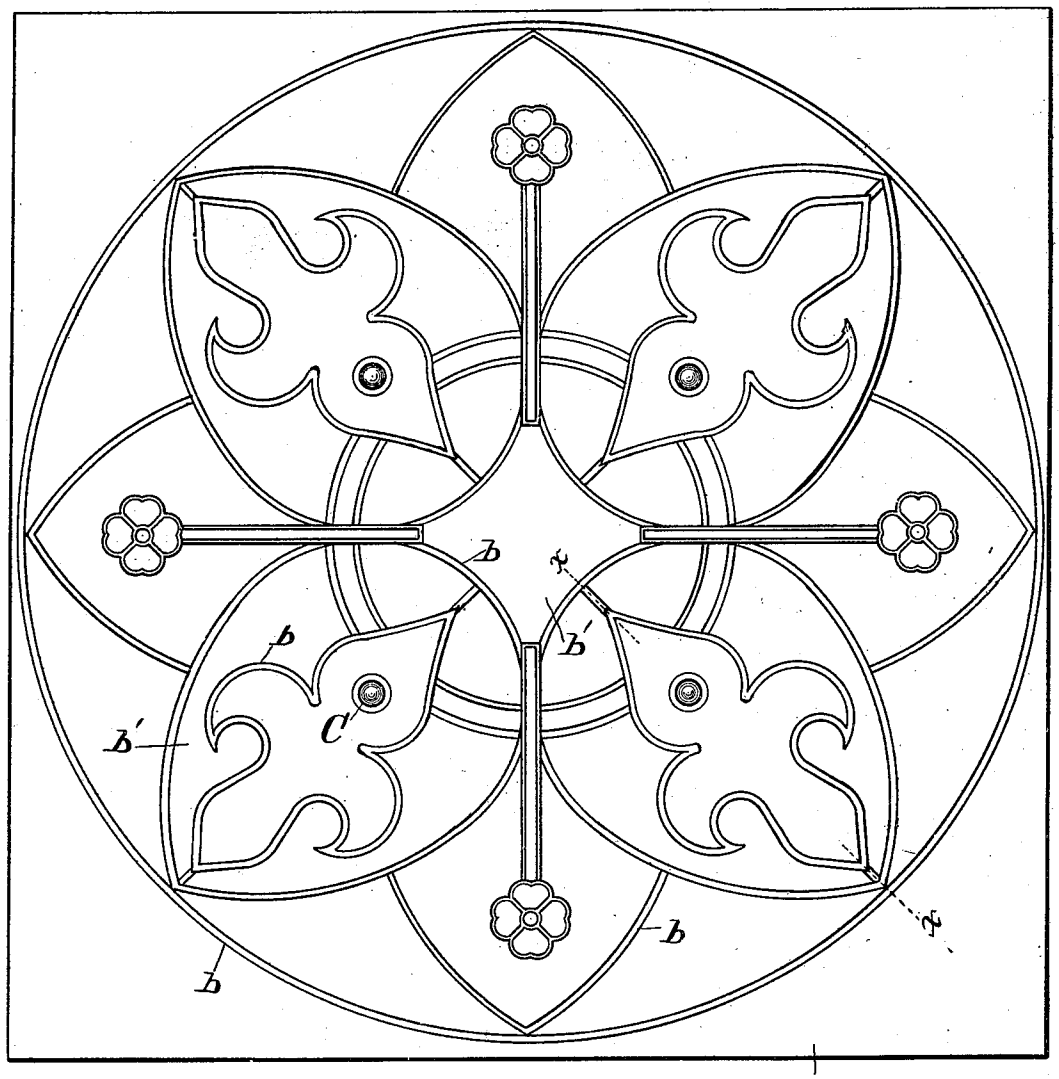


Fig 1

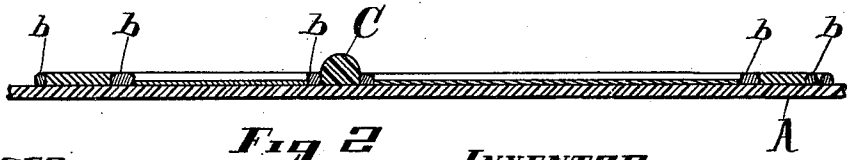


Fig 2

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UNITED STATES PATENT OFFICE.

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DECORATION AND PROCESS OF MAKING SAME.

SPECIFICATION forming part of Letters Patent No. 667,444, dated February 5, 1901.

Application filed February 12, 1900. Serial No. 4,858. (No specimens.)

To all whom it may concern:

Be it known that I, JOSEPH D. KYLE, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Decorations and the Process of Making Same, of which the following is a specification.

My invention relates to decorations and the process of making the same. Its object is a decoration which when made upon a transparent base has all the appearance of ornamental or cathedral glass, but is made more quickly and at less expense than the latter, and when made upon an opaque base forms a cheap and attractive sign. This object is attained by the means described in the annexed specification and illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of an ornamental plate made by the process embodying my invention. Fig. 2 is a detail sectional view, upon an enlarged scale, taken through line *x x* of Fig. 1.

The ornamentation is laid upon a base A, which may consist of a plate of glass, a sheet of cardboard, or the like. The outlines *b* consist of a plastic composition, preferably a mixture of litharge, plaster-of-paris, and white lead brought to a proper consistency by mixing with glue and glycerin. This mixture is put into a bag or bulb which has a downwardly-projecting tube, from the end of which the mixture is caused to ooze at a uniform rate by compressing the bulb with the hand.

If the base A be of transparent material, such as glass, it is laid upon the pattern and the outlines *b* of the design traced upon it by the mixture emitted from the tube, as described.

If the base be of an opaque substance, such as cardboard, the ornamentation, which may consist of letters or other characters, is stenciled or otherwise marked upon it. Their outlines *b* are formed upon it in the manner above described.

After being exposed to the air a short while the outlines harden and adhere firmly to the base. While the base is lying in a horizontal position, a liquid silicate, preferably of soda, colored as desired, is poured into the figures *b'*, which are surrounded by the outlines *b*. It spreads out and fills the figure with a thin layer, which hardens and adheres firmly to the base after standing in the air a short while. Jewels C of glass surrounded by an outline of the plastic material may be fixed to the plate as desired. The whole design is then coated with a liquid impervious to moisture.

If the design is to be placed in a position in which it would be exposed to the elements, it is then baked at a moderate heat.

In making designs of a cheap variety, as a sign of letters, the litharge and glycerin may be omitted from the mixture above described for forming the outlines and oil be used in place of the glycerin to make the mixture flow.

What I claim is—

1. The process of making decorations consisting in forming upon a base the outlines of the decoration with a plastic material which hardens in the air and adheres to the base, and of filling in the figures between the outlines with a layer of liquid silicate colored as desired which hardens and adheres to the base upon exposure, substantially as set forth.

2. The process of making decorations consisting of forming the outlines of the decoration upon a base with a plastic material, which hardens and adheres to the base, of filling the figures between the outlines with a colored liquid silicate which hardens in the air and adheres to the base, and of coating the ornamentation so formed with a liquid which when dried is impervious to moisture, substantially as set forth.

3. As a new article of manufacture a decoration consisting of a transparent base and an ornamentation thereon in raised outlines of a plastic composition which hardens in the air surrounding figures of a colored silicate, substantially as shown and described.

4. The process of making decorations consisting in forming upon a transparent base the outlines of the decoration with a plastic material which hardens in the air and adheres to the base, and of filling in the figures between the outlines with a layer of liquid silicate colored as desired which hardens and adheres to the base upon exposure, substantially as set forth.

JOSEPH D. KYLE.

Witnesses:
WALTER F. MURRAY,
GEO. J. MURRAY.