

No. 808,744.

PATENTED JAN. 2, 1906.

O. L. HEINTZ.
ENAMELED ORNAMENT.
APPLICATION FILED FEB. 15, 1905.

Fig. 1.

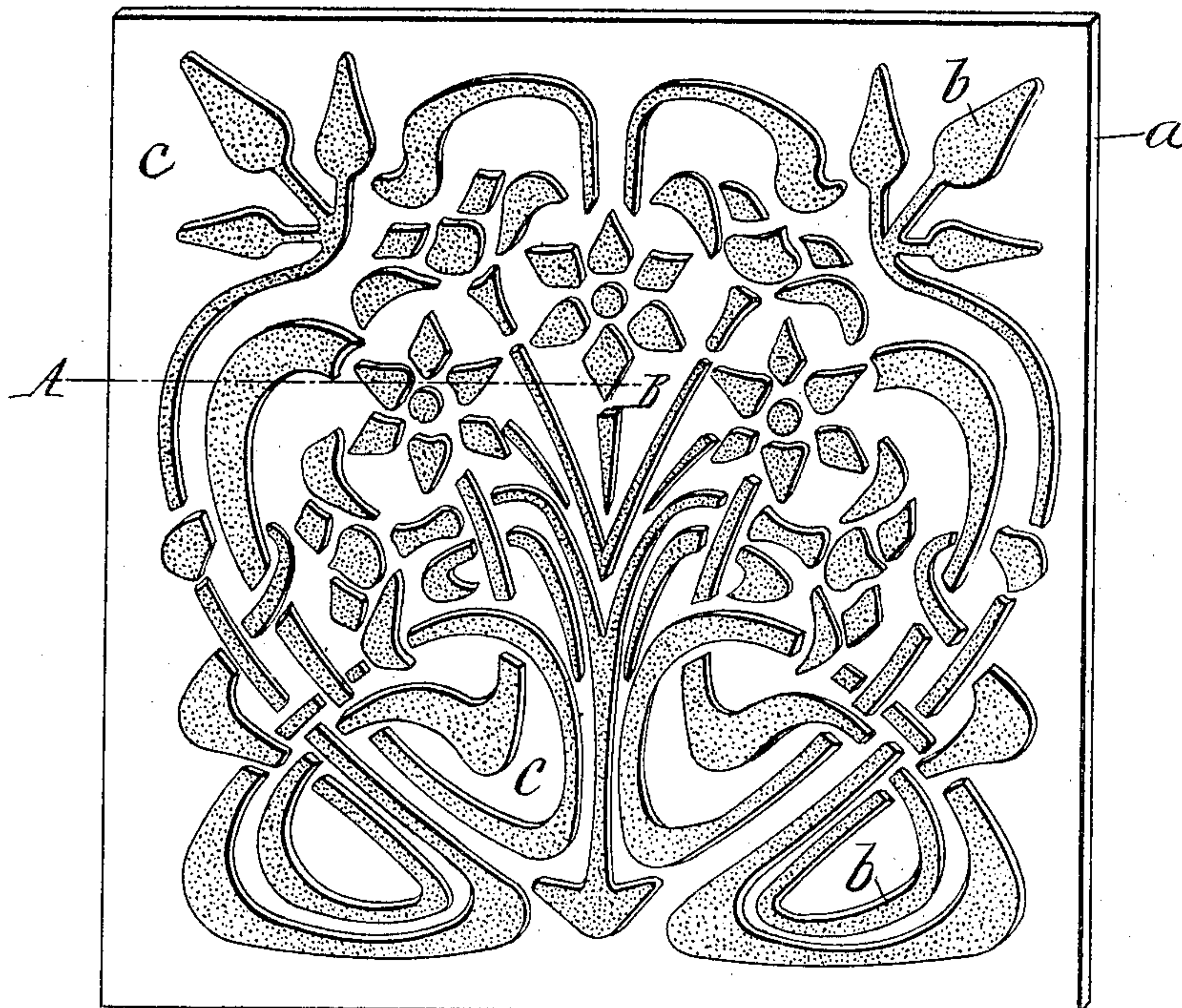
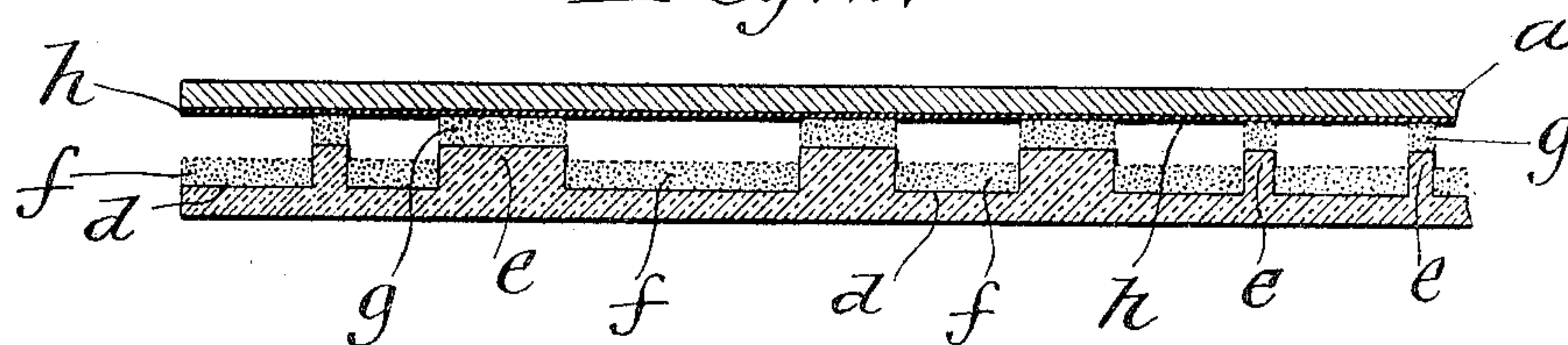


Fig. 2.



Witnesses:

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ENAMELED ORNAMENT.

No. 808,744.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed February 15, 1905, Serial No. 245,655.

To all whom it may concern:

Be it known that I, OTTO L. HEINTZ, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Enameled Ornaments, of which the following is a specification.

This invention relates to a method of making enameled ornaments of good quality at comparatively low cost.

In the accompanying drawings, Figure 1 is a perspective view of an enameled ornament produced by my improved method. Fig. 2 is a cross-section thereof in line A B, Fig. 1, illustrating the method of making the same.

Similar letters of reference indicate corresponding parts in both figures.

In its finished state the enameled ornament or article produced according to my invention consists of a plate or body *a*, of metal or other suitable material, having its face provided with enamel ornamental portions *b*, which are elevated or raised above the intermediate depressed and plain or unenameled portions *c*.

In practicing the method a pattern is first made, which has its depressed body *d* provided with elevations *e*, as shown in Fig. 2, corresponding to the enamel ornamentation it is desired to produce. This pattern may be constructed of any desired material, but preferably of rubber or other elastic material. While this pattern is supported with its elevations facing upwardly, a quantity of powdered or pulverized jewelers' enamel in a dry or comparatively dry condition is dusted over the entire face of the pattern, causing a uniformly thick coat of powdered enamel *f* to be deposited on the depressed parts *d* and a similar coat of enamel *g* to be deposited on the elevated parts *e* of the pattern, as shown in Fig. 2. The body or plate *a* to be ornamented is next provided on its face with a thin coat *h* of glue or other adhesive material. After being thus coated the plate *a*, with its adhesive surface turned downwardly, is placed

upon the enamel coated or covered face of the pattern, as shown in Fig. 2. This causes the powdered enamel *g* on the high parts *e* of the pattern to adhere or be transferred to the body-plate *a* and to be lifted from the pattern; but the enamel *f* on the low parts *d* of the pattern does not adhere to the plate and remain on the pattern. The plate *a* and the ornamentation in powdered enamel on the face thereof are then heated at a temperature sufficiently high to melt and bake or harden the enamel and cause the same to become permanently attached to the body-plate. The enamel ornament is now completed and may be used for various decorative purposes. After the enamel has been removed from the high parts of the pattern by the adhesive coated plate the powdered enamel on the low parts thereof is removed preparatory to dusting a fresh coat of uniform thickness over the pattern for making the next enamel ornament.

I claim as my invention—

The herein-described method of producing enameled ornaments which consists in placing face upward a pattern bearing a design in relief, then applying a coat of powdered enamel upon the upturned face of said pattern, then applying an adhesive to the article to be ornamented, then bringing said adhesive coated surface while the same is turned downward in contact with the powdered enamel on the high parts of the pattern whereby said enamel is lifted off from the high parts of the pattern and transferred to the adhesive coated surface of said article, and then heating said article and the enamel thereon for melting and hardening the enamel and causing the same to adhere to said article, substantially as set forth.

Witness my hand this 2d day of February, 1905.

OTTO L. HEINTZ.

Witnesses:

THEO. L. POPP,
E. M. GRAHAM.