

UNITED STATES PATENT OFFICE.

CHARLES JOSEPH BRUNETTI, OF PARIS, FRANCE, ASSIGNOR TO ROESSLER
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ORNAMENTING ARTICLES OF GLASS, PORCELAIN, &c.

SPECIFICATION forming part of Letters Patent No. 390,447, dated October 2, 1888.

Application filed August 2, 1888. Serial No. 281,776. (No specimens.) Patented in France January 17, 1887, No. 180,950; in Belgium March 25, 1887, No. 76,846; in England March 25, 1887, No. 4,485, and in Italy March 31, 1887, XXI, 21,506, XLII, 344.

To all whom it may concern:

Be it known that I, CHARLES JOSEPH BRUNETTI, a citizen of the Republic of France, and resident at Paris, France, (assignor to the firm of ROESSLER & HASSLACHER, of New York, United States,) have invented new and useful Improvements in Ornamenting Articles of Glass, Porcelain, and other Ceramic or Vitri-
fiable Materials, (for which I have obtained
a French patent, dated January 17, 1887, No. 180,950; a Belgian patent, dated March 25, 1887, No. 76,846; an English patent, dated March 25, 1887, No. 4,485, and an Italian patent, dated March 31, 1887, No. Reg. Gen. Vol. XXI, No. 21,506, Reg. Attest., Vol. XLII, No. 344,) of which the following is a specification.

This invention relates to an improved process of decorating or ornamenting articles of glass, porcelain, and other ceramic or vitrifiable materials. By means of this process results are obtained equal in respect of sharpness and delicacy to those obtained by hand decoration. According to this improved process, the ground of the design to be reproduced is first printed upon any suitable transfer surface which is capable of being applied upon the object to be decorated, care being taken that the design be in blank or in reserve, and that the ink or varnish covers all the ground or parts of the surface that are not to receive the metal which is to constitute the decorative medium. This impression having been transferred to the article, a coating of some incombustible material—such as asbestos or a silicate, and preferably pulverized chalk—is then applied by dusting or otherwise to the ground

which has been printed on, as above mentioned, so that when the article is afterward placed in a muffle the material shall not become incorporated therewith. The ground having been thus protected, there remains exposed only the portions reserved for the design, upon which the gold or other vitrifiable metal is then applied, either with a brush or by dabbing, or by immersion or other means. The article is then fired, and after removing the protective coating from the ground which surrounds the designs there remains only the gold or other metal in sharp and clearly-defined outlines upon the porcelain or other surface to be decorated.

I claim—

The herein described process of decorating articles of glass, porcelain, and other ceramic or vitrifiable materials, which consists in first transferring an impression of the ground of the design onto the article, the design being in blank, then applying to the ground a layer of incombustible material, and afterward applying the gold, silver, or other vitrifiable metal serving as the decorative medium upon the exposed parts of the design, either with a brush, by immersion, or other means, and finally firing the article, as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES JOSEPH BRUNETTI.

Witnesses:

LAUDINES, JEAN BAPTISTE ADELE,
GEORGES LAUDINES, THEODORE.