

(Specimens.)

D. S. PLUMB.
EARTHENWARE AND GLASSWARE AND METHOD OF ORNAMENTING
THE SAME.

No. 347,195.

Patented Aug. 10, 1886.

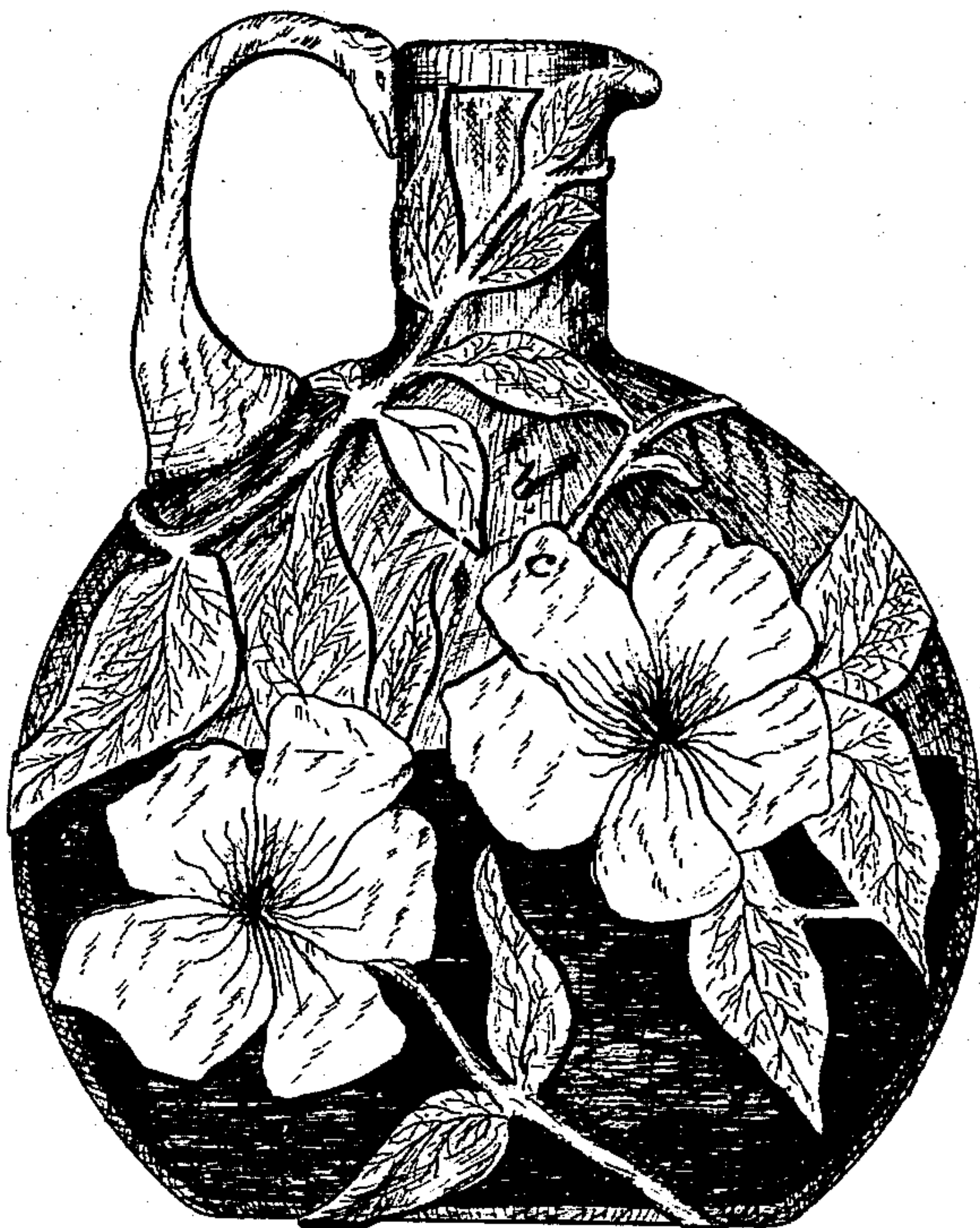


Fig. 1.



Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID S. PLUMB, OF NEWARK, NEW JERSEY.

EARTHENWARE AND GLASSWARE AND METHOD OF ORNAMENTING THE SAME.

SPECIFICATION forming part of Letters Patent No. 347,195, dated August 10, 1886.

Application filed January 23, 1886. Serial No. 189,499. (Specimens.)

To all whom it may concern:

Be it known that I, DAVID S. PLUMB, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Earthen and Glass Ware and the Method of Ornamenting the Same; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to secure in porcelain, earthenware, or glassware novel effects of relief ornamentation; to do so without injury by scratching or cutting the surface of the glass or earthen ware; to secure a more durable article, and one in which the engaging or inner surfaces of the ornament more closely conform and adhere to the surface of the article.

The invention consists in the ornamented article of glass or earthen ware and in the process of producing the same, substantially as will be hereinafter set forth, and embodied in the claims.

Referring to the accompanying drawings, Figure 1 is an elevation of an earthenware article, and Fig. 2 is a sectional view of a portion of the same.

Similar letters of reference indicate corresponding parts in each of the figures.

In carrying out the invention I first apply, with a brush, or mold with the hand, to or upon the glazed surface of the article to be ornamented a continuous net-work or open-work ornament, *a*, in adhesive or plastic matter, such as wax or a mixture of wax and glass cement, or paint. This net-work or open-work extends in relief entirely around the exterior of the article *b*, conforming and adhering to the surface thereof. This application of adhesive and plastic matter gives form to the final ornament, which may be in low and flat relief, as when the application is simply traced or painted upon the surface by a brush, or be in high relief, as when said application is molded on the surface in wax or other plastic material capable of adhering to the surface,

or when the ornamental application is applied in a series of thick and heavy coats one upon the other. Upon the outer surface of the ornamental net-work, extending around the outside of the article, as described, is applied a film or covering of black-lead or bronze-powder, which adheres to the viscid ornament, and upon this is deposited by electro-deposition a plate, *c*, of silver, gold, or other suitable metal or metals which conform to the design first imposed or applied, and produces a relief ornament in metal net-work which extends around the surface of the glass, and is held thereon firmly and securely, not only by the application of the viscid, gummy, or plastic and adhesive matter, but by the convexity of the ornamented article. After deposition the ornament may be engraved, or an effect of ornamentation may be obtained in the electroplate in any other way to secure a more perfect finish.

What I claim as new is—

1. The process of ornamenting glass or earthen ware, which consists in first painting, molding, or otherwise applying to the ware a continuous net-work or open-work ornament to the surface of the glass in adhesive matter, metallizing said adhesive matter and depositing an electroplate thereon, and thus producing a continuous open-work design or ornament in relief upon the surface of the said ware, substantially as set forth.

2. The process or method of ornamenting glass or earthen ware, which consists in giving form or outline to the open-work ornament in adhesive gum, paint, or plastic matter, and depositing an electroplate thereon, substantially as set forth.

3. As an article of manufacture, an article of glass or earthen ware provided with a continuous open-work ornament of electroplate with an intervening molded bed of wax or cement between, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of January, 1886.

DAVID S. PLUMB.

Witnesses:

CHARLES H. PELL,

FREDK. F. CAMPBELL.