

C. A. GAMWELL.
Manufacture of Jewelry.

No. 150,754.

Patented May 12, 1874.

Fig. 1.

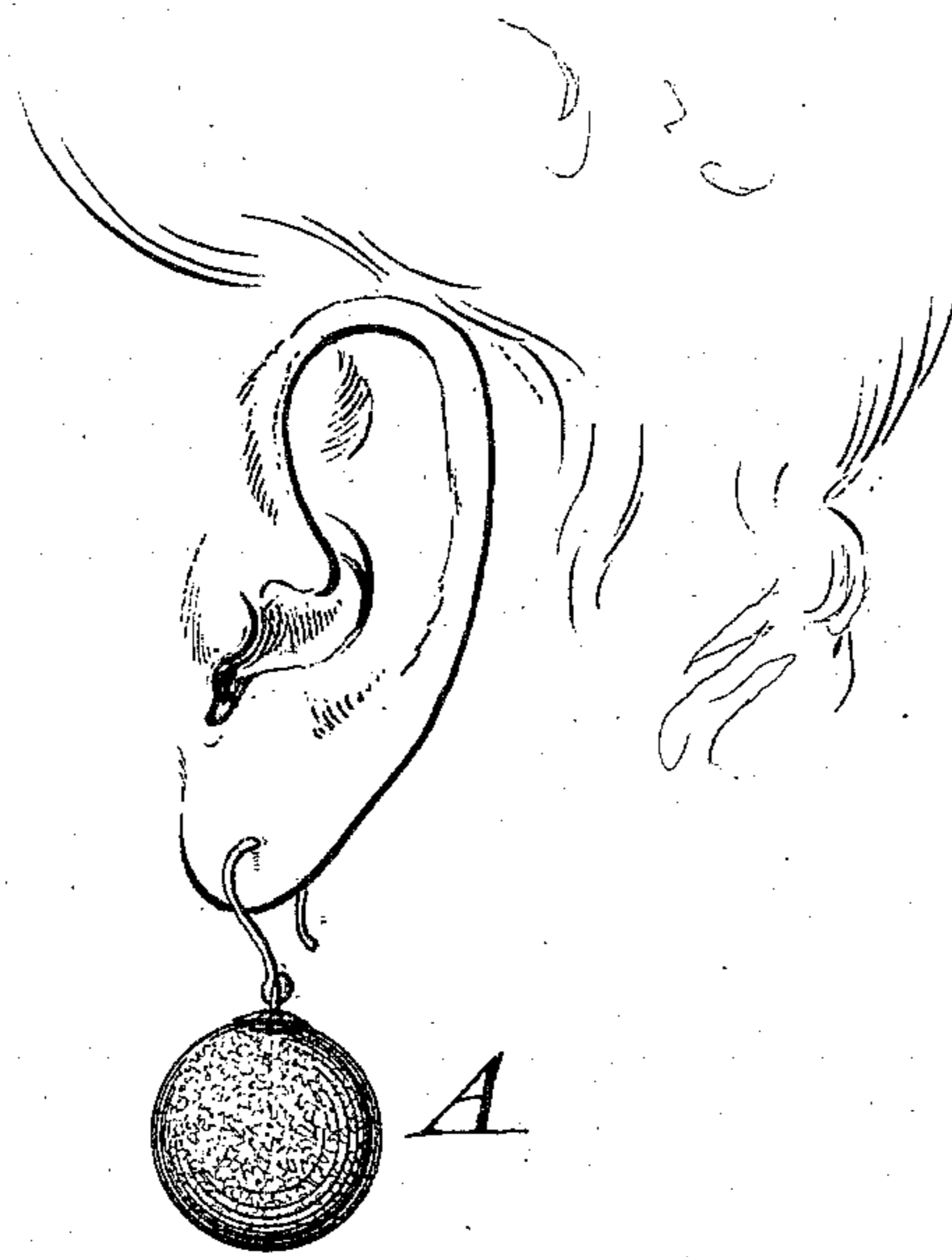


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES A. GAMWELL, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO
AMERICAN ENAMEL COMPANY, OF SAME PLACE.

IMPROVEMENT IN THE MANUFACTURE OF JEWELRY.

Specification forming part of Letters Patent No. 150,754, dated May 12, 1874; application filed
March 14, 1874.

To all whom it may concern:

Be it known that I, CHARLES A. GAMWELL, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in the Manufacture of Jewelry, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a perspective view of an ear-drop manufactured according to my improved process, and Fig. 2 a vertical central section of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to produce neat and stylish articles of jewelry, dress-buttons, &c., by imitating the gold, silver, glass beads, and other fancy articles hitherto imported in such manner that not only the manufacture of the same is greatly cheapened, but also a variety of ornamental and elegant articles of various shapes and colors be produced. My invention consists in producing the body of the jewelry of wood, clay, horn, *papier-maché*, or other cheap plastic material, and preparing the outer surface of the same by sizing, and varnishing in bronze, gold, silver, aniline, or other colors, or producing by the use of emery, fine sand, or other material, and a second sizing, a frosted gold, silver, or other colored surface and finished appearance of the goods. In the drawing, A represents a ball ear-drop, or any other article of jewelry, to be produced according to my process. I use, preferably, wood for producing the body of various articles of jewelry, especially for such shapes as may be turned rapidly, though I do not confine myself to the use of the same exclusively, as the various shapes may be pressed of clay, horn, paste compounds, metals, or other suitable material. Wood, however, recommends itself, together with paste compounds, on account of its lightness and ease of working the same. The surface of the article is either enameled or not, as desired.

A sizing is next put on for holding the bronze of various colors, or gold or silver leaf.

For producing a rough frosted surface, emery-powder is placed evenly over the first sizing, and the bronze, gold, or silver leaf applied by means of a second sizing placed over the emery.

Varied and neat effects are thus obtained by very simple means, especially as by painting and varnishing the bronzed or other surfaces in aniline and other colors any desired shade may be produced.

A great number of different article of jewelry may be in this manner be manufactured, which, in cheapness, lightness, and finish, may successfully compete with the fancy goods and jewelry of European markets, and surpass them in durability and neatness in many cases.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The process of producing buttons, imitation jewelry, and similar articles, and of ornamenting their surfaces in various colors, substantially in the manner as hereinbefore set forth.

2. As a new article of manufacture, a button, ear-ring, or other article of jewelry made of wood or other cheap material and provided with a coating or coatings of size, bronze, gold or silver leaf or color, and a covering of emery powder or sand, in imitation of frosting, substantially as described.

3. As an improvement in the manufacture of jewelry, buttons, &c., articles of jewelry produced with a rough surface of emery-powder in imitation of frosted surfaces, by sizing them and applying a second sizing over the emery for fixing the bronze, gold or silver leaf, or other color, as set forth.

CHARLES A. GAMWELL.

Witnesses:

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