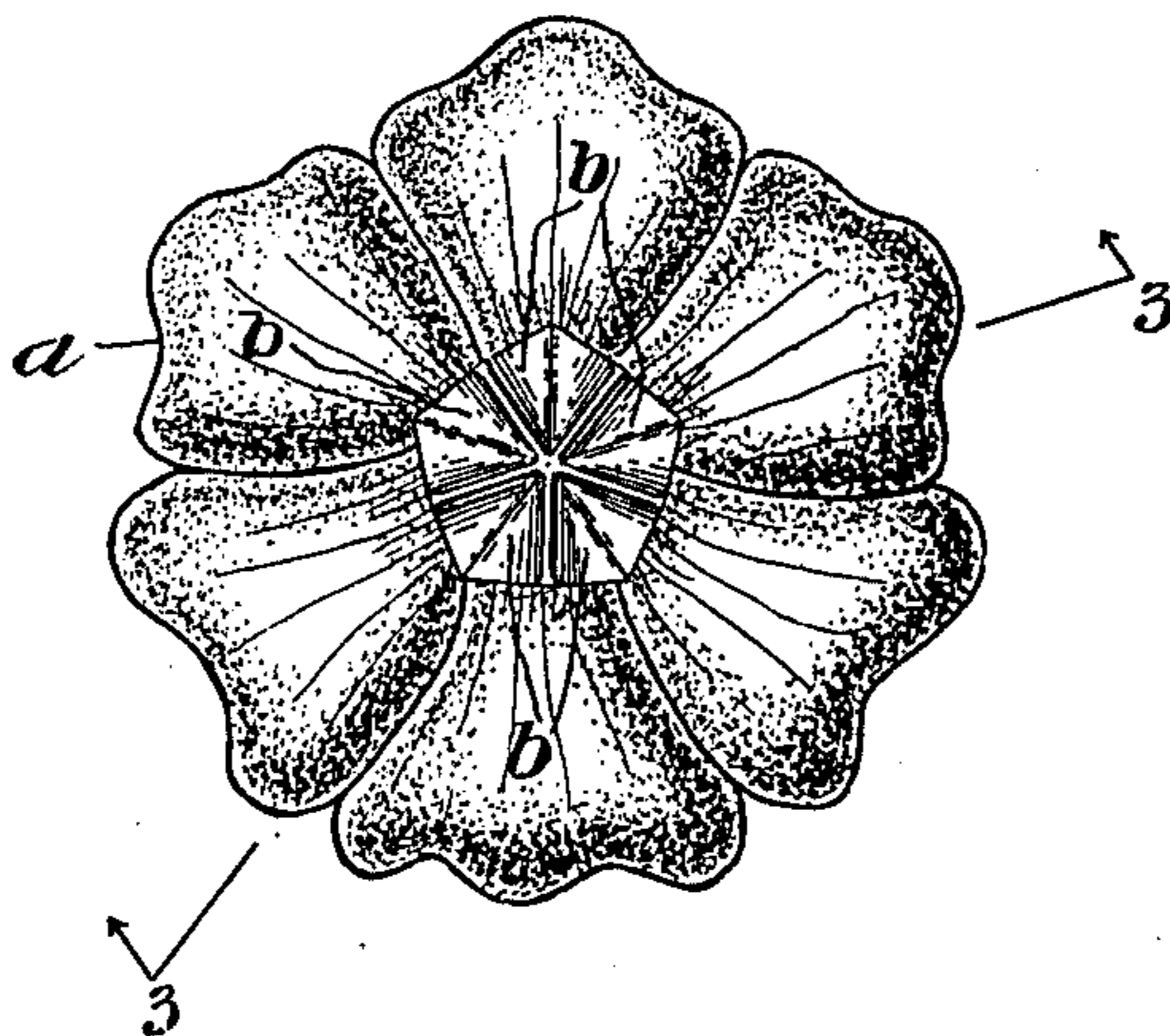


F. J. LIGHTBODY.  
 IMITATION GEMMED JEWELRY.  
 APPLICATION FILED APR. 28, 1910.

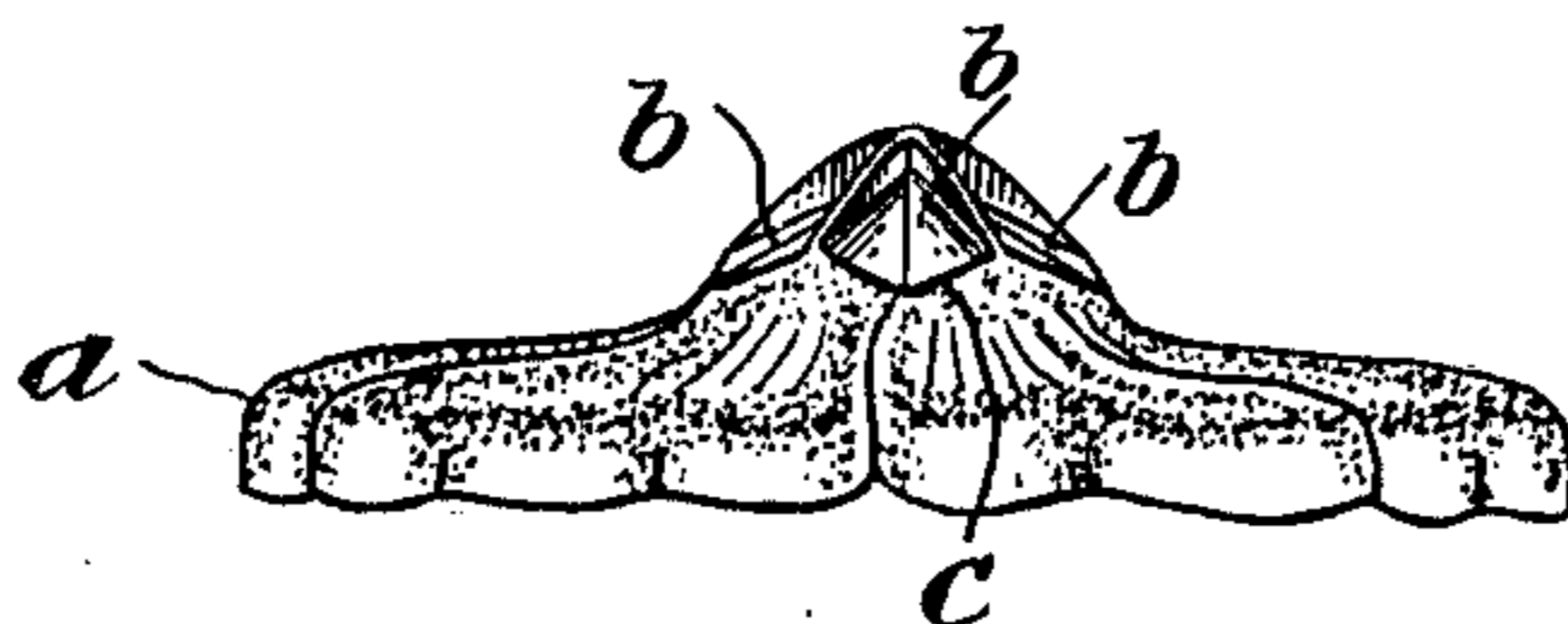
992,014.

Patented May 9, 1911.

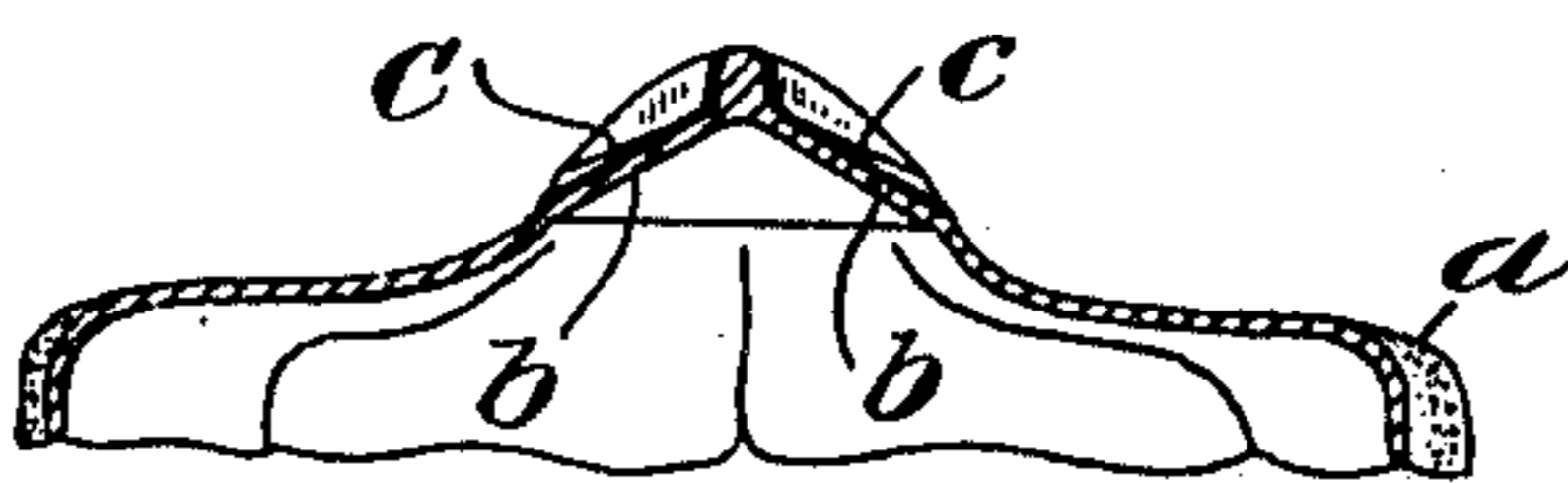
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*  
*Harry L. Allen*  
*F. P. Poulton*

*Inventor:*  
*Frank J. Lightbody;*  
*By* *Wightman Quincy May*  
*Attys.*

# UNITED STATES PATENT OFFICE.

FRANK J. LIGHTBODY, OF WATERTOWN, MASSACHUSETTS, ASSIGNOR TO CAMBRIDGE NOVELTY COMPANY, OF CAMBRIDGE, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

## IMITATION GEMMED JEWELRY.

992,014.

Specification of Letters Patent.

Patented May 9, 1911.

Application filed April 28, 1910. Serial No. 558,309.

*To all whom it may concern:*

Be it known that I, FRANK J. LIGHTBODY, of Watertown, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Imitation Gemmed Jewelry, of which the following is a specification.

This invention has for its object to provide a metallic article of jewelry, such as a brooch, hat-pin head, or other article, with an imitation gem presenting an appearance closely resembling that of a cut stone, or other gem, attached to the metal body of the article, the gem effect being due to the formation of the metal and to a transparent colored or tinted coating applied thereto, so that a very desirable ornamental article of jewelry may be produced at a relatively small expense.

The invention consists in the improved article hereinafter described and claimed and in the method of making the same.

Of the accompanying drawings, forming a part of this specification,—Figure 1 represents a side view of an article of jewelry embodying my invention. Fig. 2 represents an edge view of the same. Fig. 3 represents a section on line 3—3 of Fig. 1.

In the drawings, *a* represents an ornamental metallic body, which may be of any suitable form, and is preferably pressed from a flat sheet metal blank by dies which impart any desired ornamentation to the outer surface of the body. On the outer surface of the body I form by the action of suitable dies a group of facets *b*, the die which forms the exposed surfaces of said facets being smoothly polished and the metal being suitably compressed between the dies so that the facets are formed with very smooth surfaces adapted to reflect light. The facets are preferably radially arranged and preferably constitute the outer side of a boss which projects from the surrounding portion of the body *a*. The facets are also preferably slightly concave, as indicated by Fig. 2. The combined area of the facets is less than that of the body *a*, so that the body has an exposed surface outside of the group of facets which preferably has a somewhat dull finish contrasted with the smooth finish of the facets, the said contrasted surface being indicated by the stippled portions in Figs. 1 and 2. The relative

arrangement of the facets is such that their light-reflecting surfaces are adapted to reflect light in various directions, thus producing numerous reflected high lights, which give an effect similar to that given by the facets of a gem formed by cutting or pressing glass, or other material of which gems, or so-called gems, are ordinarily made.

To the light-reflecting surfaces of the facets *b* is applied a coating *c* of lacquer, or other transparent coloring matter, which is colored or tinted to impart the desired color or tint to the reflected light. The coating *c* heightens the contrast between the facets and the adjacent surface or surfaces of the body *a* and imparts a tint to the reflected light resembling that of a colored gem, such as a ruby or emerald, the tint depending on the color of the coating.

The described article may be very inexpensively manufactured and presents an effect closely resembling that of a metal body and an actual gem, so called, set therein.

I have shown the metal body provided with a single group of facets, but it is obvious that any desired number of groups may be provided, and that the drawings may be considered to represent a part of an article of jewelry, the complete article being made up of a plurality of suitably connected parts such as that shown.

It will be understood that the invention is not limited to the design I have shown and may be embodied in various other designs.

The term "jewelry" as used herein is intended to designate any metallic body treated as above described and used for ornamental purposes.

The drawings are supposed to represent the article much enlarged.

I claim:—

1. Imitation gemmed jewelry comprising a metal body having an integral portion of its surface provided with a plurality of upwardly pressed polished light-reflecting facets arranged at different angles to each other and converging into a pyramid to resemble the facets of a cut stone, said facets being slightly concaved and covered with a coating of tinted transparent lacquer, whereby the light reflected by said facets is correspondingly tinted.

2. Imitation gemmed jewelry comprising

a metal body having an integral portion of its surface pressed outwardly to form a boss, said boss being formed with a plurality of polished light reflecting facets arranged at different angles to each other and converging into a pyramid to resemble the facets of a cut stone, said facets being covered with a coating of transparent tinted

lacquer, whereby the light reflected by said facets is correspondingly tinted.

10

In testimony whereof I have affixed my signature, in presence of two witnesses.

FRANK J. LIGHTBODY.

Witnesses:

E. B. CHRISTIANSON,

J. A. HARRINGTON.

---

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

---