

(No Model.)

A. STEFFIN.  
ARTICLE OF GLASSWARE.

No. 515,539.

Patented Feb. 27, 1894.

Fig. 1.

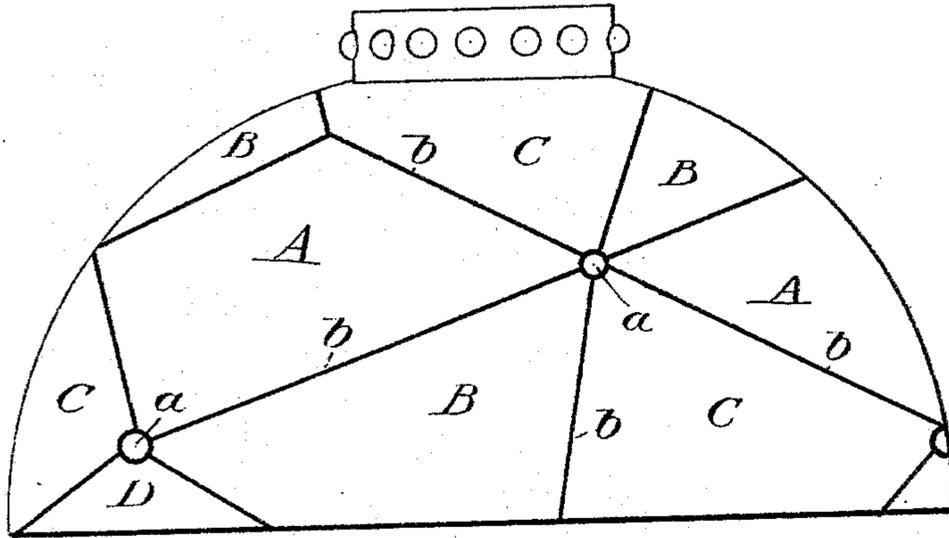
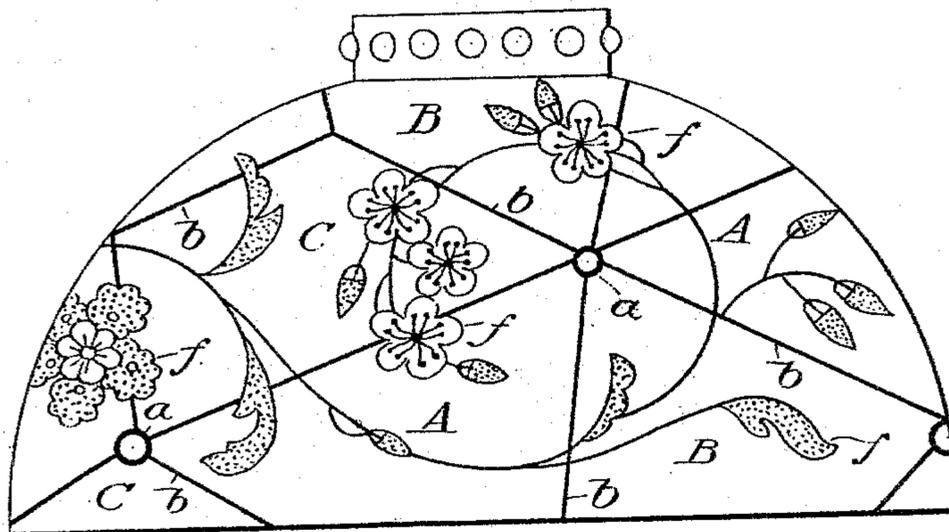


Fig. 2.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

ALBERT STEFFIN, OF NEW BEDFORD, MASSACHUSETTS.

## ARTICLE OF GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 515,539, dated February 27, 1894.

Original application filed June 7, 1888, Serial No. 276,392. Divided and this application filed April 12, 1893. Serial No. 470,139.  
(No model.)

*To all whom it may concern:*

Be it known that I, ALBERT STEFFIN, of New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Articles of Glassware; 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.

My invention relates to improved articles of glassware and is a division of my application filed June 7, 1888, Serial No. 276,392.

My invention consists of an article of glassware having its surface ornamented or decorated and divided into sections by opaque dividing lines the latter projecting out from the surface of the article to give it the appearance of being constructed in sections of stained glass.

In the accompanying drawings, Figure 1 is a view of a lamp shade the surface of which is divided up into segments and Fig. 2 is a view showing the completed shade.

While the invention is designed for use on all articles of glass-ware, for the purpose of illustration I have shown the invention applied to a lamp shade, but I would have it understood that its application or use is not confined to any particular line of goods but can be applied to any and all glass articles. The shade or other article is divided into colored segments A, B, C, D, by lines *b* of distinct color joining and connecting at given points around centers *a* which are also colored as though held by frame *b*. In Fig. 2 is shown a similar shade with the addition of a pattern *f* formed on the various colored segments, and colored in contrasting colors to the ground work.

To carry out my invention I take an article of glassware which may be of any desired form. After thoroughly cleansing the surface I proceed to decorate it with colors known to the art as mineral or vitrifiable, prepared in the usual manner; segments of the desired shape are sketched upon the article and then

filled in with the various colors to a line made at point of joining to next segments. After the first coat is dry I paint in the dividing lines in distinct color, preferably of dense enamel or opaque body and produce a raised boundary line so as to more nearly represent a metallic framing when light is passed through; when the article is completed as to the desired decoration of ground work the article is placed in a muffle or kiln and fired so as the colors are fluxed or vitrified and permanently attached to the surface; with some colors and patterns it may be necessary to fire one part of the colors before finishing the complete decoration.

When it is desired to combine a pattern with the ground work, after the first application is well dried, parts of the ground work necessary to the design are cut out by moistening the dried colors with creosote and wiped out leaving a clean surface into which colors are filled in or painted to form the designs. Where very ornate or intricate designs are required several firings may be necessary to complete the decoration so as to thoroughly affix one color before applying another and so prevent their fluxing into each other and marring the desired effect.

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

As a new article of manufacture, an article of glassware having its surface ornamented or decorated, and divided into sections by opaque dividing lines, the latter projecting out from the surface of the article to give it the appearance of being constructed in sections of stained glass, substantially as set forth.

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

ALBERT STEFFIN.

Witnesses:

HORACE CARPENTER,  
CLARANCE H. BANTEN.