

(No Model.)

A. STEFFIN.
METHOD OF DECORATING GLASS.

No. 515,538.

Patented Feb. 27, 1894.

FIG. 1.

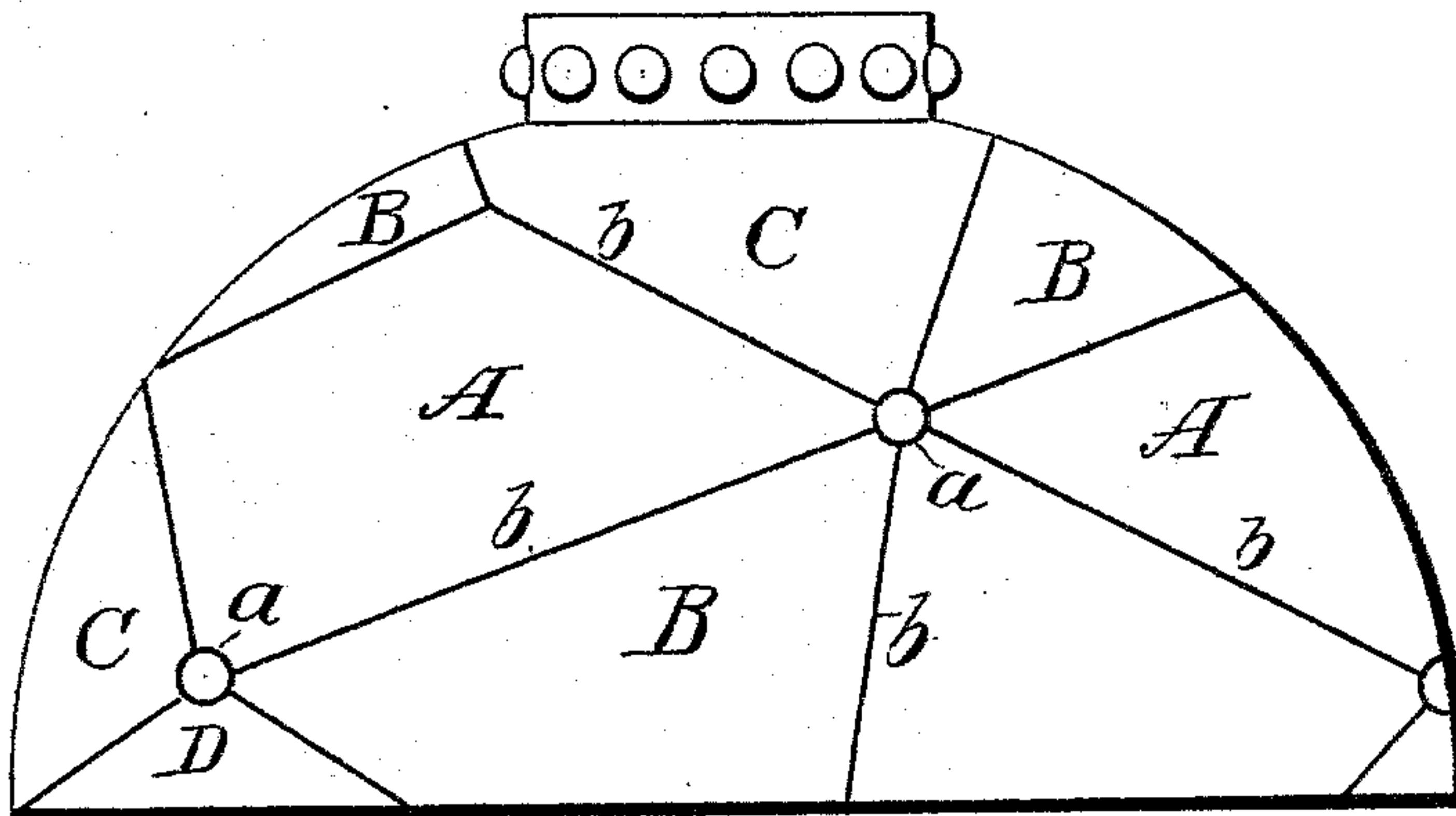
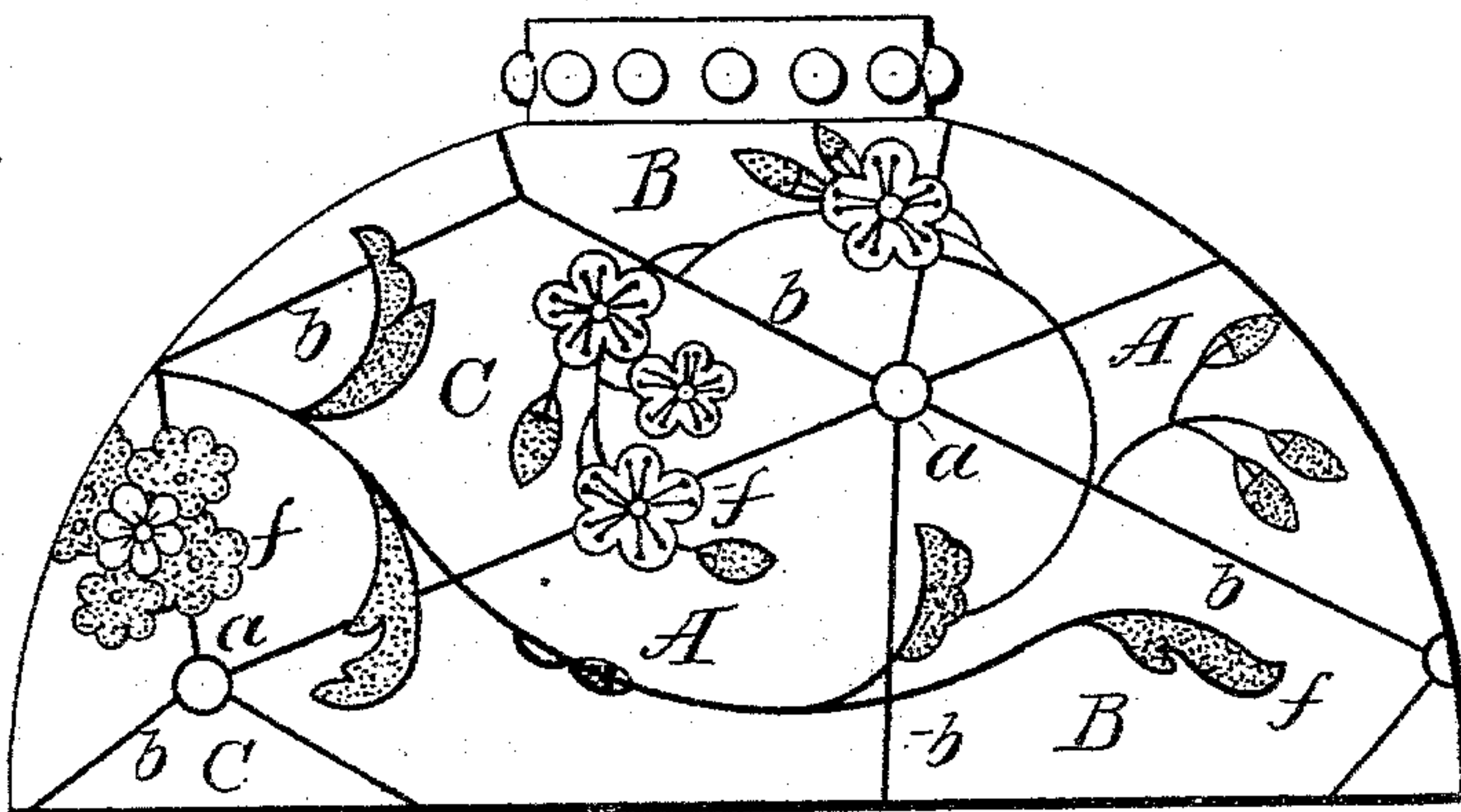


FIG. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ALBERT STEFFIN, OF NEW BEDFORD, MASSACHUSETTS.

METHOD OF DECORATING GLASS.

SPECIFICATION forming part of Letters Patent No. 515,538, dated February 27, 1894.

Application filed June 7, 1888. Serial No. 276,392. (No specimens.)

To all whom it may concern:

Be it known that I, ALBERT STEFFIN, a citizen of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Methods of Decorating Glassware; and I do 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 the letters of reference marked thereon, which form a part of this specification.

My invention relates to the ornamentation of articles of glassware, its object being to give the article the appearance of being constructed of sections of stained glass, and it consists, first, in laying out the ground or field in segments separated by boundary lines of distinct color to represent a structural frame for each segment of colored surface so that the article will appear as if constructed of stained glass, and secondly, in forming ornamental patterns and designs in combinations with such grounds.

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 glassware, 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 the 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 mark at point of joining to next segments. After the first coat is dry I paint in the dividing lines in distinct colors, preferably of dense enamel or opaque body and produce a raised boundary line so as to more nearly represent a metallic frame 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 design required. 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.

I make no claim herein to the article or product of my method, the same being the subject matter of a separate application, Serial No. 470,139, filed April 12, 1893, but Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The method of decorating glass to give it the appearance of being constructed in sections of stained glass, consisting in coloring the surface of the glass and dividing the col-

ored surface into segments by dense or opaque raised boundary lines of distinct color and finally incorporating said coloring matter with the glass by heat, substantially as set forth.

5 2. The method of decorating glass to give it the appearance of being constructed in sections of stained glass, consisting in first coloring the surface of the glass, second, dividing the colored surface into segments by dense or
10 opaque raised boundary lines of distinct color;

third, ornamenting the colored surface and finally incorporating the coloring matter with the glass by heat, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT STEFFIN.

Witnesses:

FRED. A. FISH,
CHAS. F. SWIFT.