

DESIGN.

F. S. SHIRLEY.

ORNAMENTATION OF GLASSWARE.

NO 18,959.

Patented Mar. 12, 1889.

Fig. 1.

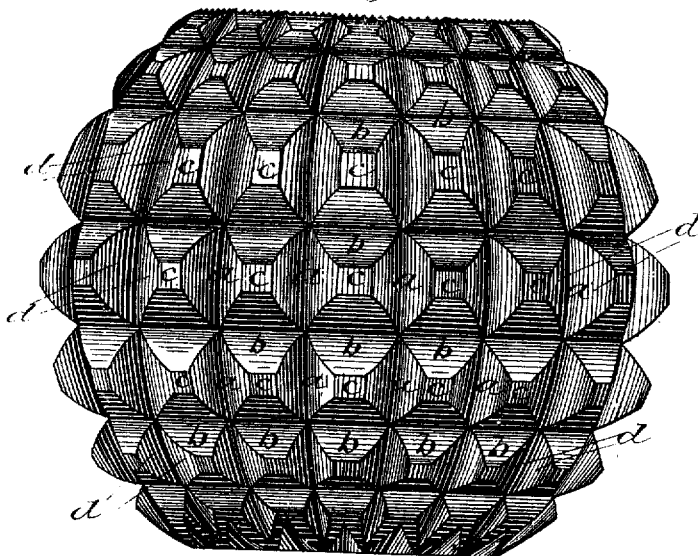
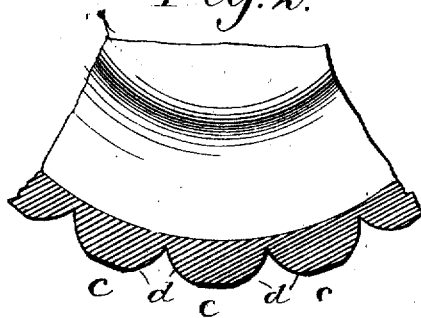


Fig. 2.



Witnesses  
 Geo. A. Link  
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# UNITED STATES PATENT OFFICE.

FREDERICK S. SHIRLEY, OF NEW BEDFORD, MASSACHUSETTS.

## DESIGN FOR THE ORNAMENTATION OF GLASSWARE.

SPECIFICATION forming part of Design No. 18,959, dated March 12, 1889.

Application filed November 24, 1888. Serial No. 291,817. Term of patent 7 years.

*To all whom it may concern:*

Be it known that I, FREDERICK S. SHIRLEY, glass-manufacturer, a citizen of New Bedford, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in a Design for the Ornamentation of 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 and figures of reference marked thereon, which form a part of this specification.

My invention consists of a new and original design for the ornamentation of glassware, as described more fully hereinafter.

The drawings, in Figure 1, give a front view of a rose bowl which embodies the design. Fig. 2 is a cross-section of the same design.

The design relates to all kinds of glass articles, such as dishes, jugs, decanters, stoneware, &c.

As shown in the drawings, the pattern is set out in square figures having frusta or tables slightly curved, deeply-grooved lines intersecting each other at right angles, the essential feature of my invention being that the grooved

lines give a swelled or rounding surface on all the side facets of the figures or pattern, this convex form producing a lens or mirror like effect to the design. The deeply-grooved lines *a a a a* intersect similar lines, *b b b b*, at right angles. These grooves are very deeply cut into the surface and have outwardly-curved or convex sides *d d*, having a table surface, forming a series of projecting figures, *c c c c*, with all side facets having a curved face, *d d*, which gives each figure a lens or mirror like effect. The table surface *c c c c* may be ornamented by cross-cutting or star figures without detriment to the main feature of my design.

What I claim is—

The design for the ornamentation of glassware, consisting of the spherical or other body herein shown and described, provided with surface ornamentation having deeply-grooved boundary-lines, with curved or convex sides intersecting each other, forming figures, with tables *c*, having outwardly-curved side facets.

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

FREDERICK S. SHIRLEY.

Witnesses:

GEORGE H. SYLVIA,  
ANDREW SNOW, JR.