C. C. SIBLEY.

MANUFACTURE OF ORNAMENTAL GLASS GOODS.

APPLICATION FILED APR. 18, 1906.

912,426. Patented Feb. 16, 1909.

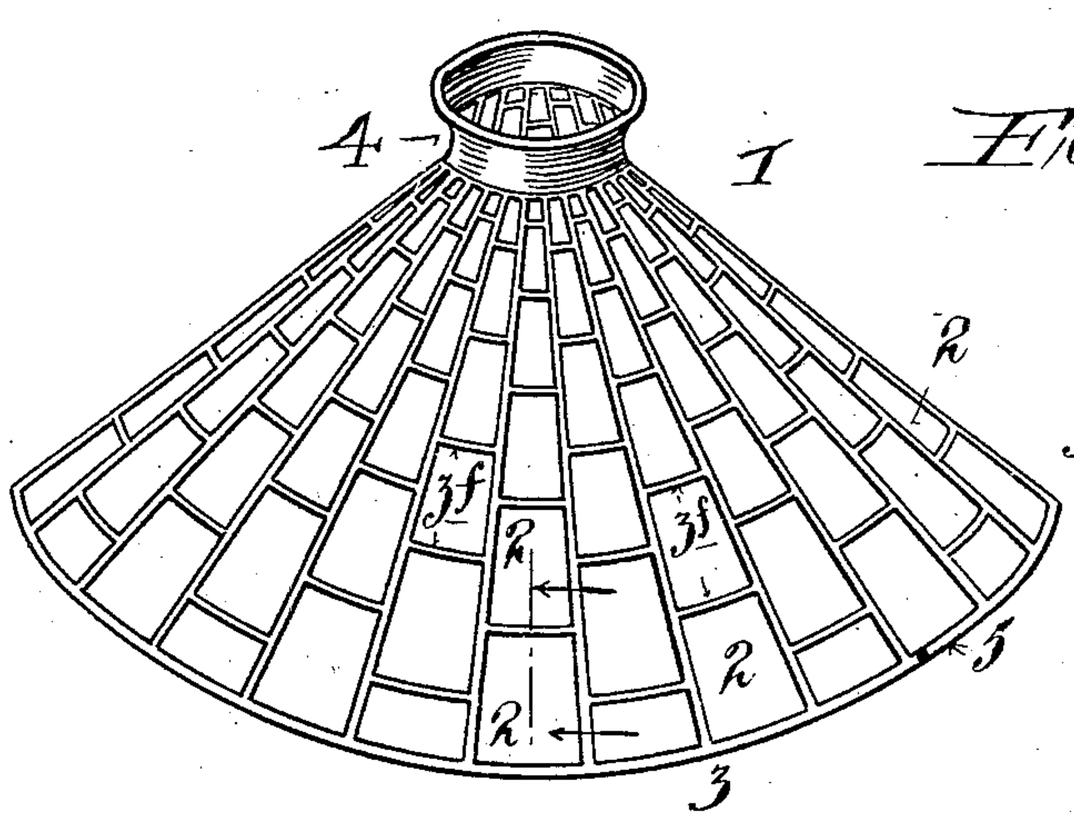

Fig. 1

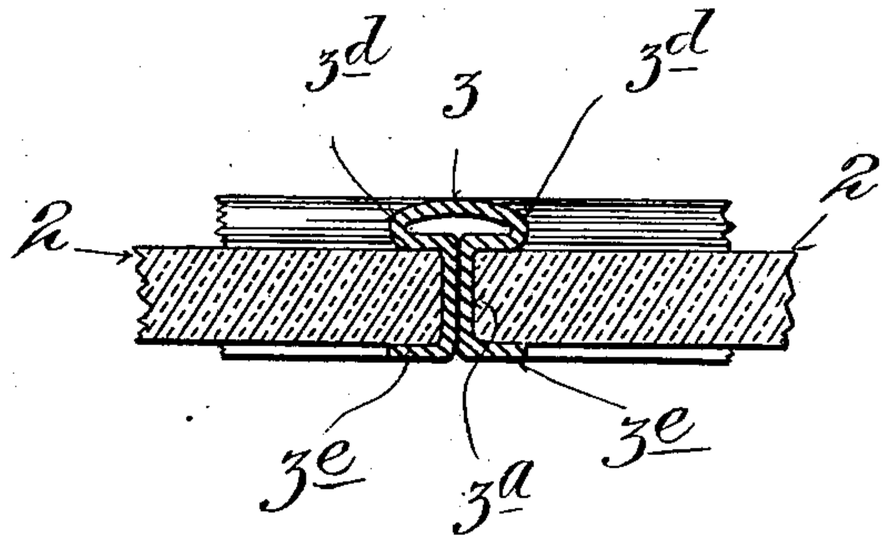

Fig. 2

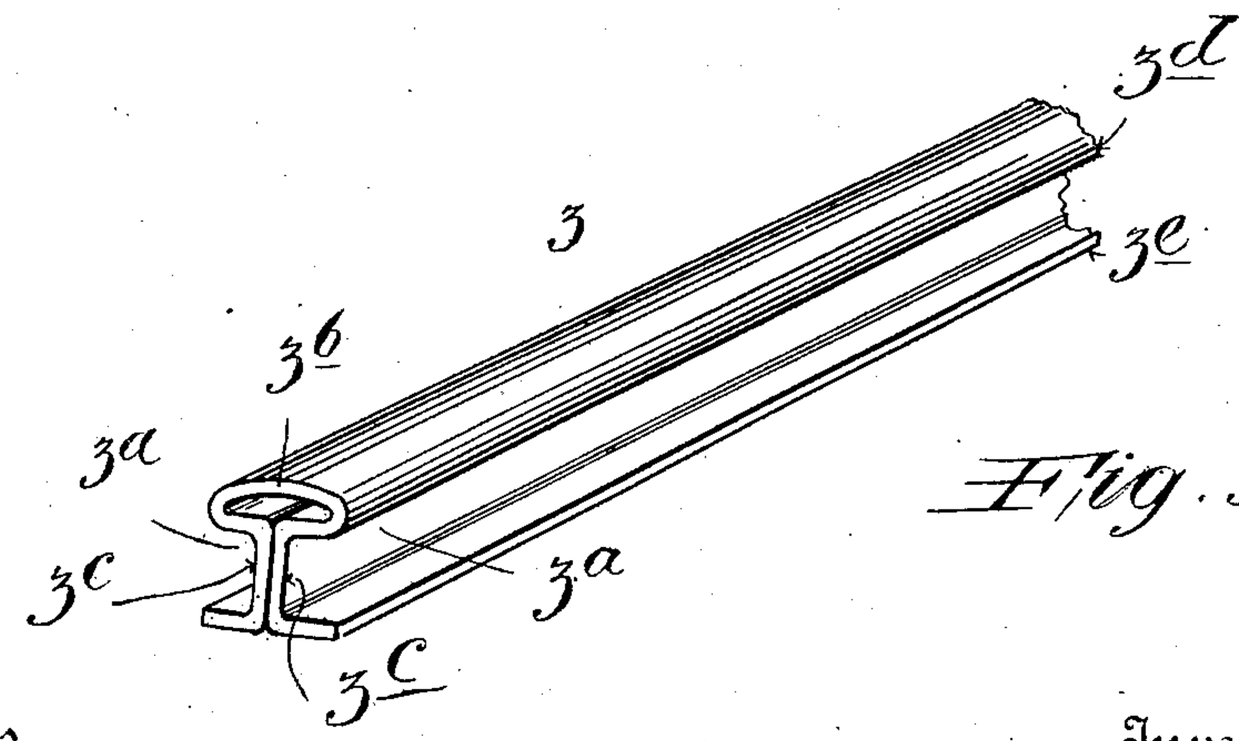

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

CLARENCE C. SIBLEY, OF PERTH AMBOY, NEW JERSEY.

MANUFACTURE OF ORNAMENTAL GLASS GOODS.

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Application filed April 18, 1906. Serial No. 312,347.

To all whom it may concern:

Be it known that I, CLARENCE C. SIBLEY, a citizen of the United States, residing in Perth Amboy, Middlesex county, New Jersey, have invented certain new and useful Improvements in the Manufacture of Ornamental Glass Goods, of which the following is a specification.

My invention relates to improved means for connecting the edges of pieces of glass together in the production of glass lamp shades, whereby the same may be made relatively strong and durable and the parts are firmly united together.

In carrying out my invention I provide strips of metal with channels or recesses on the opposite sides adapted to receive the edges of pieces of glass, said strips being secured together at their meeting points, as by means of solder, to bind the pieces of glass firmly together. The strips I utilize for the purpose comprise metal bent into channel or groove form and folded between the channels so that the bottom walls of the channels will lie against or in line with each other whereby the channels will face in opposite directions and be substantially alined, whereby pieces of glass having their edges placed in the complemental channels will be securely held when the strips are secured together, and the projecting flange portions of the strips will lie on opposite sides of the glass pieces at their edges and thus retain the glass pieces from sidewise movement with respect to each other, producing a firm structure.

Reference is to be had to the accompanying drawings forming part hereof, wherein,

Figure 1, is a perspective view of a lamp shade constructed in accordance with my invention. Fig. 2 is a cross section, enlarged, on the line 2, 2, in Fig. 1, and Fig. 3 is a perspective view of the metal strip for connecting the glass pieces.

In the drawings, in which similar numerals of reference indicate corresponding parts in the several views, the numeral 1 indicates, generally, a lamp shade constructed in accordance with my invention wherein 2 indicates pieces of glass, and 3 indicates the strips of metal for connecting said glass pieces together. The glass pieces 2 may be of any suitable shape for producing the desired contour or shape of the finished lamp shade, and as shown in Fig. 1 said strips have tapering sides and are arranged in rows having series of pieces extended from the bottom of the shade upwardly and narrowing as they rise from the bottom. The strips 3 surround the edges of the glass pieces 2 and said strips are secured togteher at their meeting points, as by solder.

The strips 3 are formed preferably by rolling in such shape as to produce channels or grooves 3^a on the same side of the blank and the blank is folded between said channels, as at 3^b to bring the bottom walls 3^c of the channels back to back or side by side in line with each other, whereby flanges 3^d, 3^e are produced, the web 3^b holding the channel parts together.

In making the shade the strips 3 of suitable length are applied to the edges of the glass pieces 2 so as to bind the latter, which are placed in the adjacent channels 3^a of the strips in the manner shown in Fig. 2, so that the flanges 3^d, 3^e overlie the adjacent edges of the pieces 2. The shade may be made by providing a ringlike or other suitably shaped frame or collar 4 from which substantially radially disposed strips 3 extend along the shade, and between which strips the glass pieces 2 are located, in the channels of which strips the longitudinal edges of the pieces 2 are received, and cross strips 3^f (similar to strips 3) are placed between the adjacent ends of the glass pieces 2 and attached to the radial or lengthwise strips 3. A binding strip 5 at the lower or outer edge of the shade may be attached to the radial strips 3. The shade constructed as above described will be rigid and durable, the glass pieces will be firmly bound together, and the shade may be made in any desired contour by suitably bending the strips 3 to conform to the contour or margin of the various glass pieces 2, which may be cut in any desired outline.

Having now described my invention what I claim is.

1. A lamp shade comprising a plurality of pieces of material arranged in a plurality of upwardly extending lines and having their side edges converging upwardly, each lower piece being wider than the piece next above, strips interposed between the adjacent edges of said pieces and converging upwardly, and said strips having channels on opposite sides receiving said pieces, and cross strips at the upper and lower edges of said

pieces of material, interposed between and secured at their ends to said converging strips.

2. A lamp shade comprising a plurality of pieces of material, and folded strips interposed between said material, said strips having opposed channels receiving the edges of adjacent pieces of material, said strips extending along the shade from top to bottom and flaring toward the bottom, and cross strips having opposed channels interposed between the lengthwise strips and secured thereto each cross strip being shorter than the strip next above it.

3. A lamp shade comprising a ringlike frame at the top, radially disposed strips secured at their upper ends to said frame and extending along the shade in an outward and downward direction and provided with opposed channels, pieces of glass interposed between said strips and having their edges located in said channels, and cross strips between the adjacent edges of said pieces of glass and secured to the radial strips said pieces being respectively reduced in width from the bottom of the shade upwardly.

CLARENCE C. SIBLEY.

Witnesses:
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