

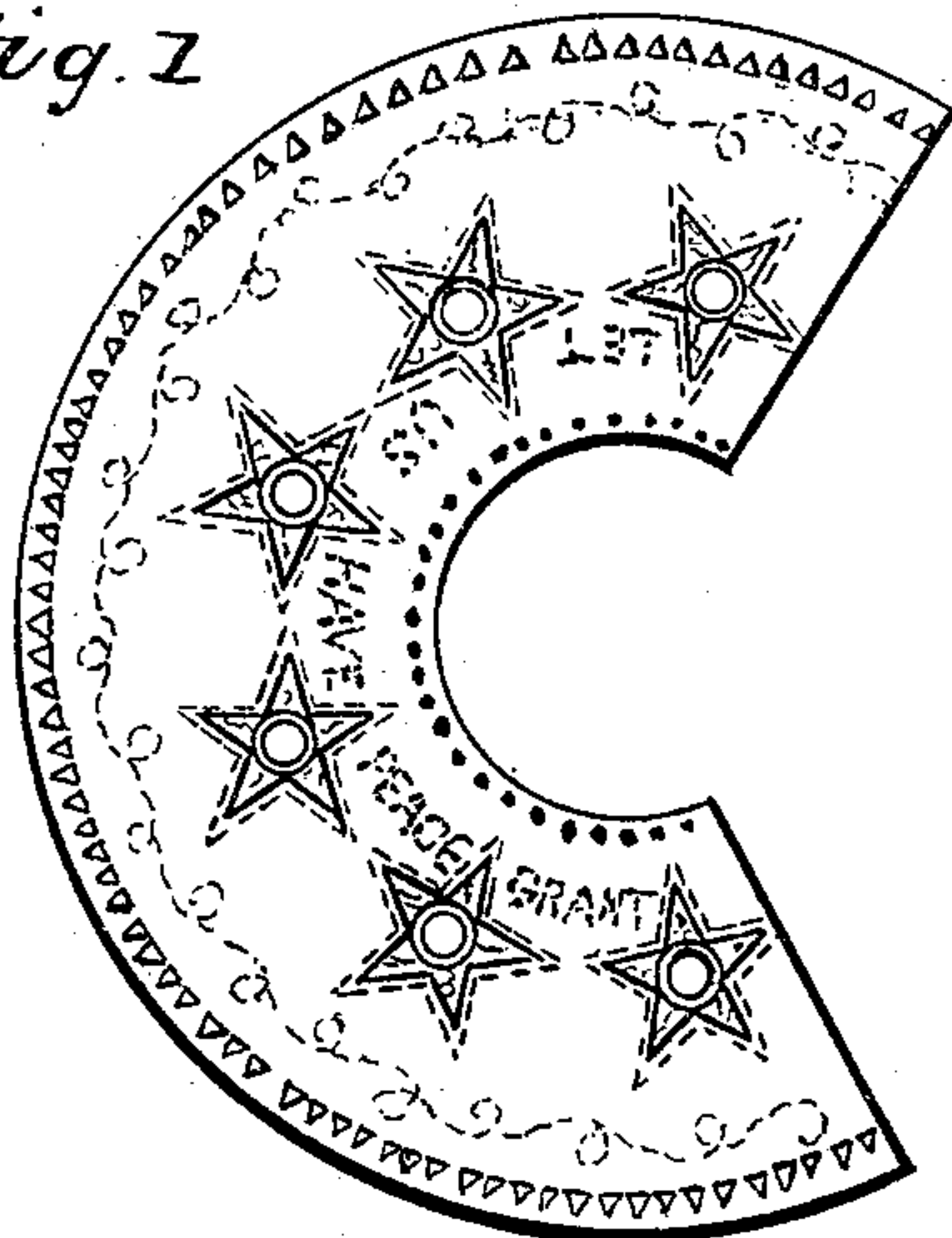
G. W. TUCKER.

Lamp Shade.

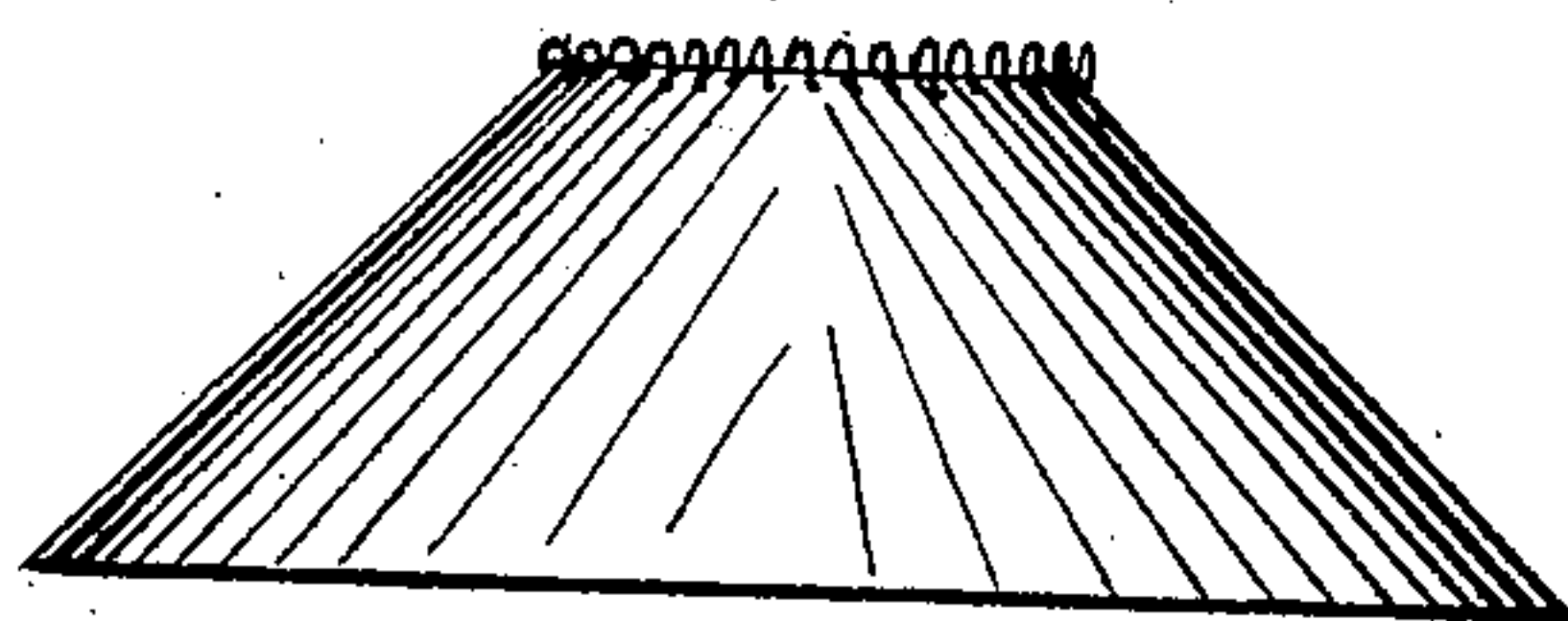
No. 89,707.

Patented May 4, 1869.

*Fig. 1*



*Fig. 2*



*witnesses.*

*J. H. Shumway*

*A. J. Tobitt*

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*G. W. Tucker.*

*By his Attorney*

*John E. Earl*

# United States Patent Office.

G. W. TUCKER, OF WATERBURY, CONNECTICUT.

*Letters Patent No. 89,707, dated May 4, 1869.*

## IMPROVEMENT IN LAMP-SHADES.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, G. W. TUCKER, of Waterbury, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Lamp-Shades; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figure 1, a plan view of the segment from which the shade is formed; and in

Figure 2, a side view of the shade complete.

This invention relates to an improvement in metallic shades for lamps, such as are placed upon the chimney of the lamp, so as to be supported by the said chimney; the object being to produce all the effect desired by the shade, and at the same time to ornament or illuminate the shade, to relieve it from the dark and gloomy appearance which unavoidably accompanies a solid metal shade.

To this end my invention consists in combining in a shade formed from an opaque material, embossed and perforated to represent upon the surface clearly-defined figures, the perforations defining the figures by the light which passes therethrough from the flame.

In order to the clear understanding of my invention, I will fully describe the same as illustrated in the accompanying drawings.

From sheet-metal or from other suitable opaque material, I cut into proper shape, as seen in fig. 1, so that when the two ends are united together they will give to the shade the required conical form; this may be in one or more pieces; then, in proper dies, I emboss the surface with any desirable figure, here represented as stars; then around such figures I perforate numer-

ous holes, which clearly define the outlines of the figures. In addition to such embossed and perforated figures, words or letters may be perforated, here denoted by the words, "Let us have peace;" and may be further ornamented, as by a vine at the edge, as seen in the drawings.

Thus constructed, it is placed upon and secured to the chimney in any convenient or known manner, here represented as by a spiral spring run through a series of perforations at the upper edge. Other devices may be employed, it only being necessary that some means of attachment be combined with the shade.

The light from the flame, while it is reflected downward by the shade, at the same time illuminates through the perforations, clearly defining the letters, figures, or whatever ornamentation there may be, producing a most beautiful effect, and relieving an opaque shade from its dim, gloomy appearance.

I am aware that paper shades have been made, in which portions have been embossed and other portions perforated. I, therefore, do not claim such as my invention.

I do not wish to be understood as claiming a metallic or opaque shade for lamps, as such, I know, is not new; but having fully described my invention,

What I do claim as new and useful, and desire to secure by Letters Patent, is—

As an article of manufacture, a lamp-shade ornamented to represent upon the surface clearly-defined figures or forms, by the combination of embossing and perforating, substantially as described.

G. W. TUCKER.

Witnesses:

SARAH A. PLATT,  
M. JENNIE ATWOOD.