

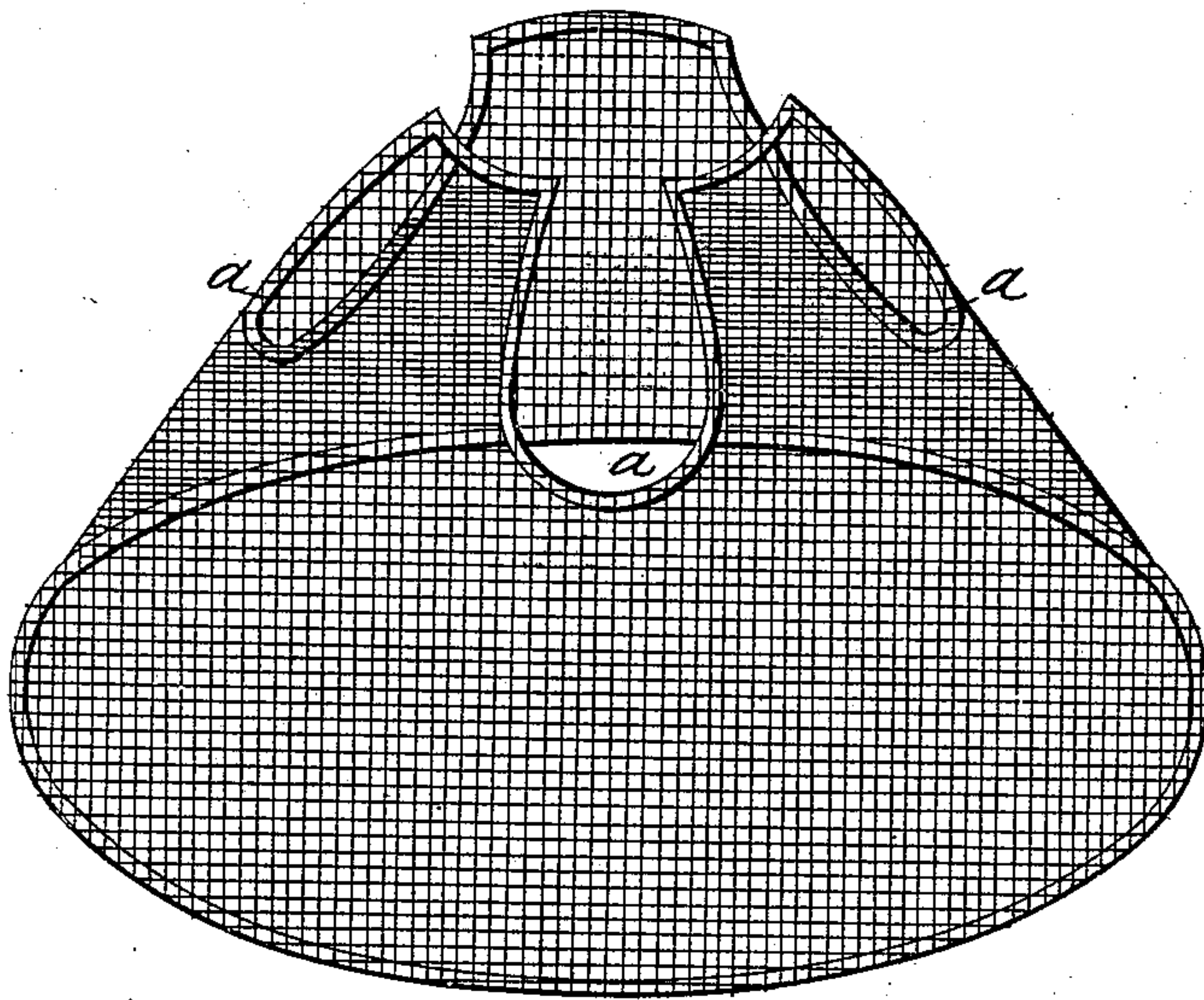
WELLMAN & GREENOUGH.

Lamp Shade.

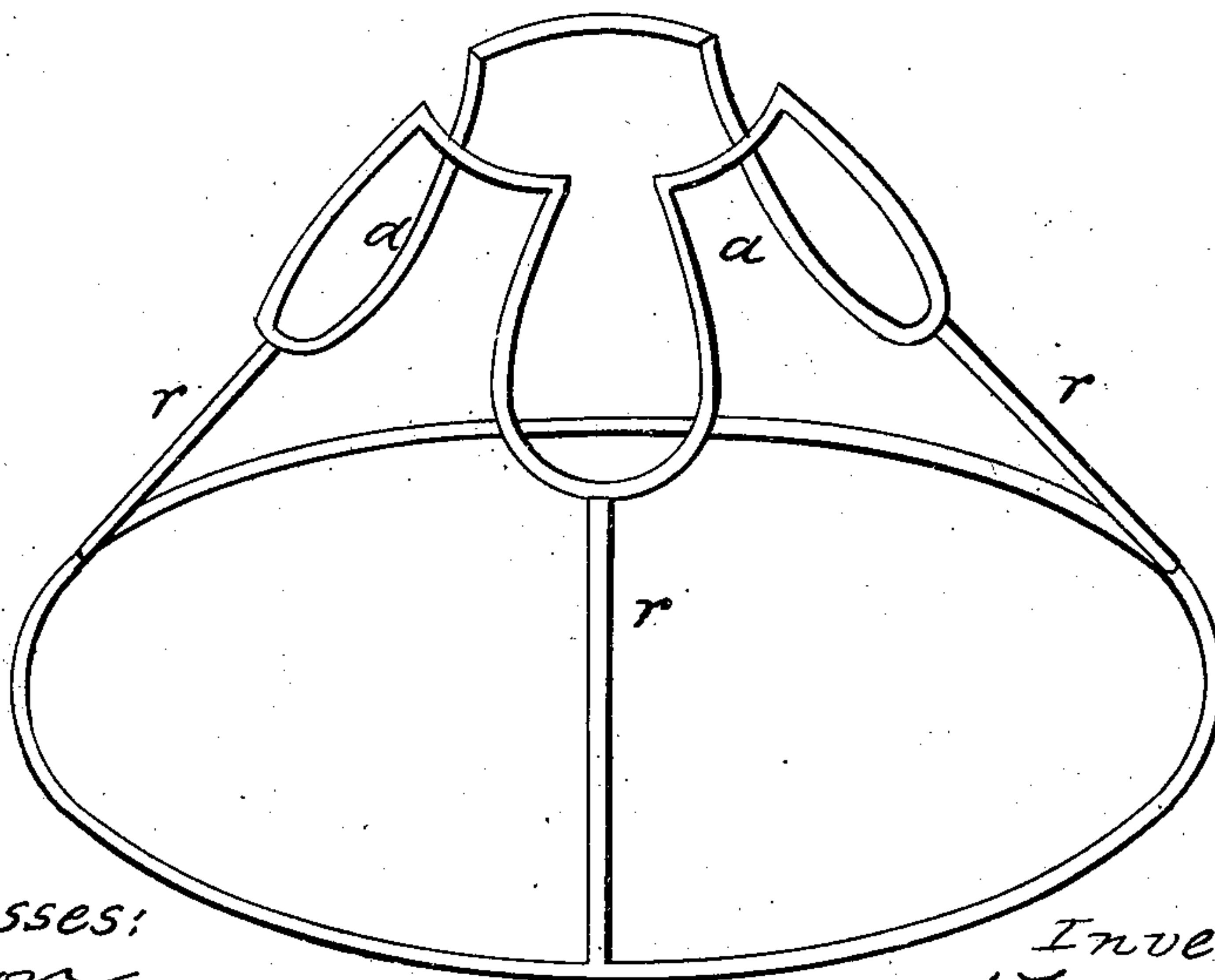
No. 46,600.

Patented Feb. 28, 1865.

*Fig 1*



*Fig. 2.*



*Witnesses:*  
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*H. Smith*

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# UNITED STATES PATENT OFFICE.

M. J. WELLMAN AND J. J. GREENOUGH, OF NEW YORK, N. Y.

## IMPROVEMENT IN LAMP-SHADES.

Specification forming part of Letters Patent No. 46,600, dated February 28, 1865; antedated, February 16, 1865.

*To all whom it may concern:*

Be it known that we, M. J. WELLMAN and J. J. GREENOUGH, have invented certain new and useful Improvements in Holders for Lamp-Shades; and we do hereby declare the following to be a full, clear, and exact description thereof, referring to the accompanying drawings, in which—

Figure 1 shows the conical wire-gauze holder; Fig. 2, the skeleton wire-holder. The shade is represented by red lines.

Many attempts have been made to apply a holder to the chimneys of lamps, &c.; but they have all, so far as we know, been too expensive or complex, and all are liable to scorch and set fire to the paper shade they are designed to protect. To obviate these well-known practical objections has been the object of our device. In a former patent we have secured a wire-gauze conical shield for protecting the shade from fire; but in that patent we have shown no novel mode of holding it in position. This is the object of our present device.

Our improved shade-holder is constructed as follows: When using the wire-gauze, as in Fig. 1, we form the gauze into an obtuse cone cutting the top portion into three (more or less) projections by deep scallops between them, as clearly represented at *a*, Fig. 1. The edges of the gauze are turned over a wire, and form a spring that embraces the chimney at three (more or less) points. The shade *b* fits and is

supported by base of the cone, which is kept at a very low temperature by the current of air passing upward through it.

As a modification of this device, instead of the wire-gauze, we connect the scalloped wire spring *a*, Fig. 2, that embraces the chimney, with the ring of wire that forms the base of the cone with radial ribs *r*, that stand in an inclined position, by which the skeleton outline of the cone is completed, as in Fig. 2, and which presents, as in Fig. 1, a perfect spring-holder to connect with the chimney, combined with a cool base to support the shade without injury.

Having thus fully described our improved shade holder, we will remark that it is obvious that the scalloped spring can assume several different curves or lines without changing the character of the holder, and which would be substantially the same—such, for instance, as carrying the scallop down so deep as to touch the base, and thus taking the place of the radial arms.

What we claim as our invention, and desire to secure by Letters Patent, is—

The shade-holder constructed in the manner and for the purpose herein set forth.

MARIAN J. WELLMAN.  
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Witnesses:

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