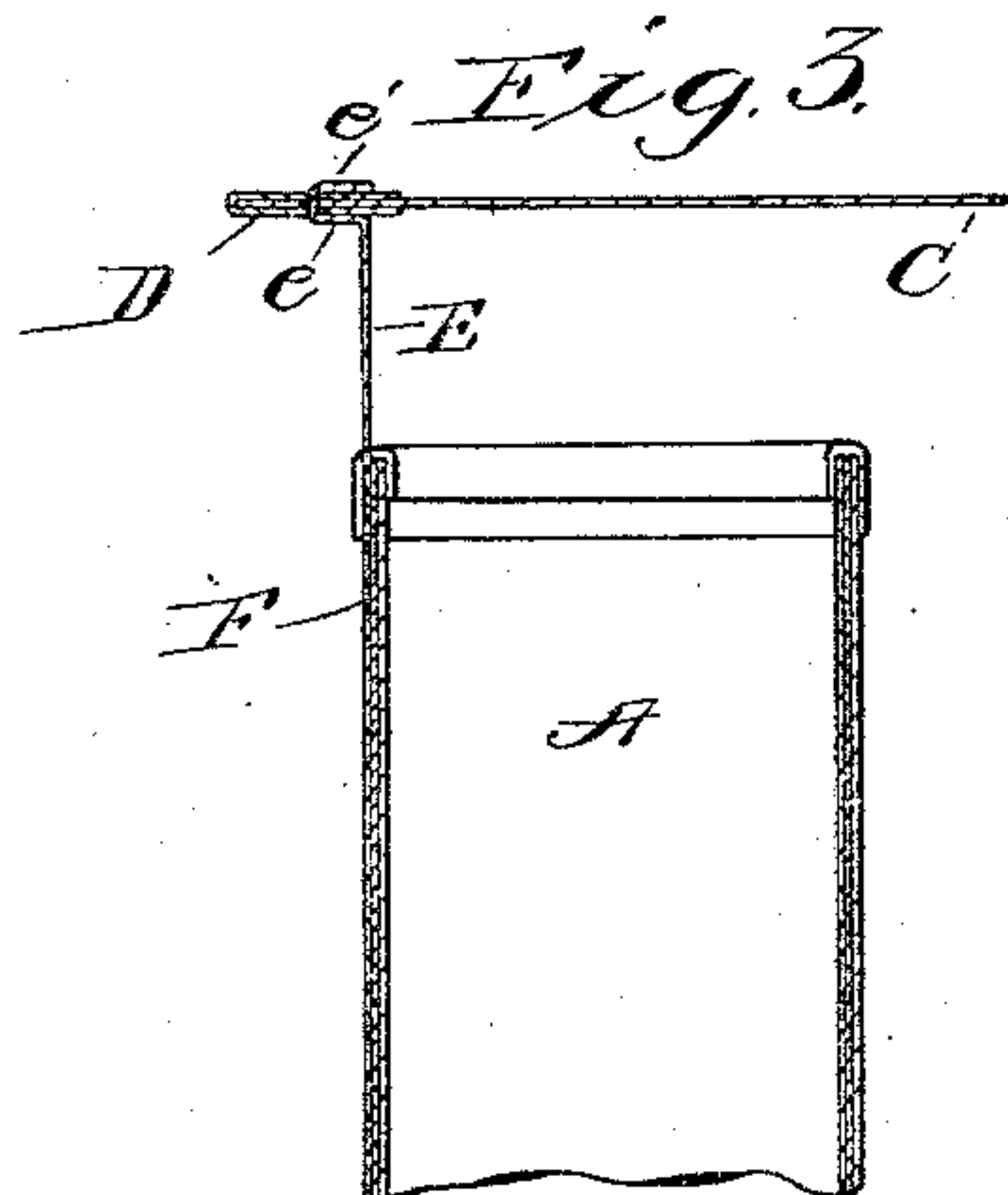
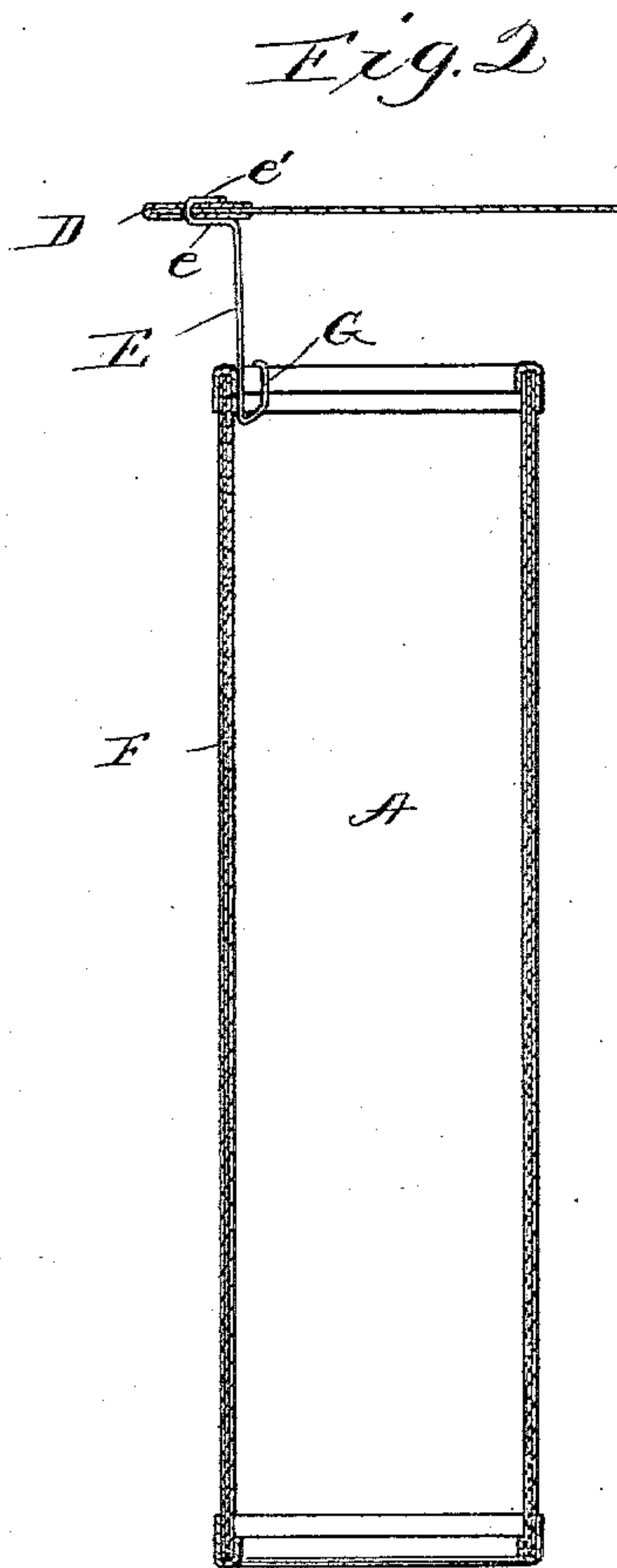
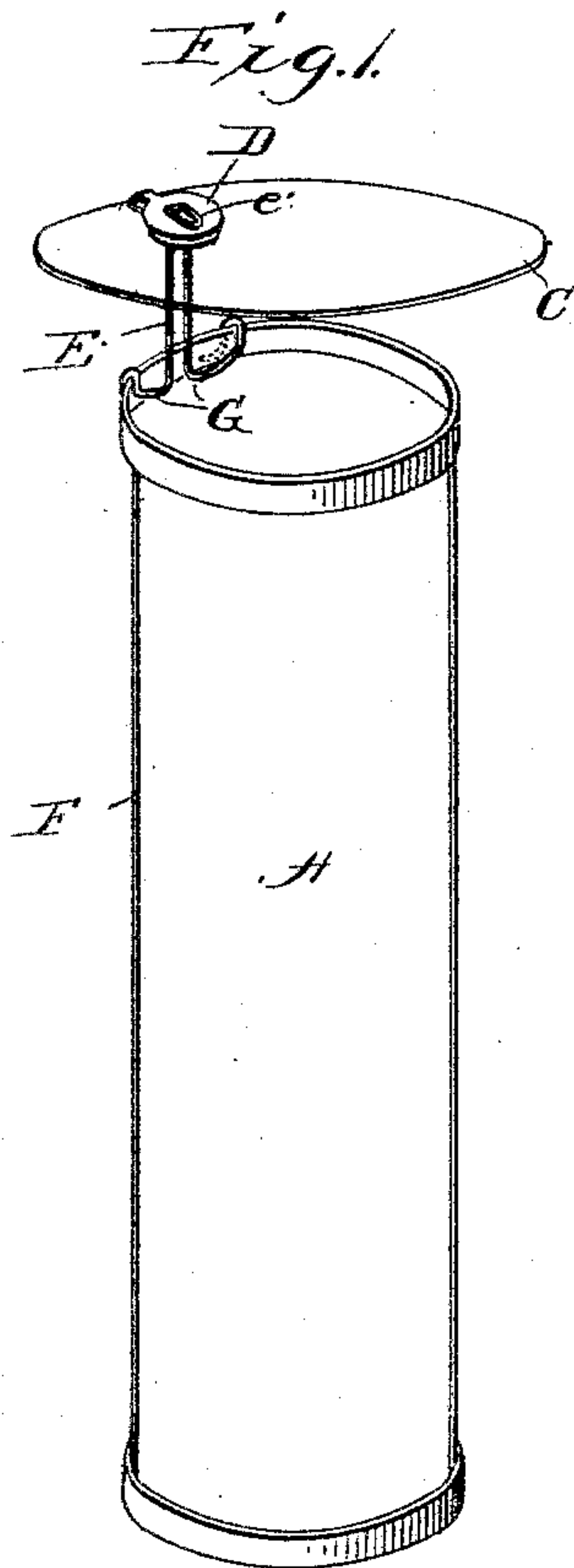


(No Model.)

A. P. STORRS.  
CHIMNEY FOR LIGHT GIVING BURNERS.

No. 571,867.

Patented Nov. 24, 1896.



Witnesses:  
J. M. Fowler Jr.  
Thomas Durant

Inventor  
Aaron P. Storrs,  
by Charles Church,  
his Attorneys.

# UNITED STATES PATENT OFFICE.

AARON P. STORRS, OF OWEGO, NEW YORK.

## CHIMNEY FOR LIGHT-GIVING BURNERS.

SPECIFICATION forming part of Letters Patent No. 571,867, dated November 24, 1896.

Application filed October 30, 1895. Serial No. 567,431. (No model.)

*To all whom it may concern:*

Be it known that I, AARON P. STORRS, of Owego, in the county of Tioga and State of New York, have invented certain new and useful Improvements in Chimneys for Light-Giving Burners; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the letters of reference marked thereon.

This invention relates to improvements in chimneys for light-giving burners, and particularly those of the Welsbach type, having a delicate mantle which must be protected from external drafts or the accumulations of floating dust, such as is liable to enter the top of the chimney when the burner is extinguished.

The invention consists in certain novel details of construction and combinations and arrangements of parts, all as will be now described, and pointed out particularly in the appended claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of a chimney embodying my present invention. Fig. 2 is a detail vertical section through the canopy and its support. Fig. 3 is a similar view showing a modified form of support.

Like letters of reference in the several figures indicate the same parts.

The letter A indicates the chimney proper, which may be of any approved construction, preferably, however, made of mica, in accordance with the plans disclosed in my prior application, Serial No. 548,424.

The practical use of these chimneys has demonstrated that it is exceedingly difficult to secure the canopy over the chimney in place so as to withstand the wear and tear of use, and with a view to overcoming this I provide a flat sheet of mica C for a canopy, and at one edge of the same I clamp metallic plates D. These plates D are made in one

piece and doubled around the edge of the transparent canopy. At a central point both plates and the mica are perforated and the standard or canopy-support E passed through the aperture.

A shoulder *e* is formed by bending the standard beneath the canopy, and the end of the standard is bent over the top of the canopy at *e'*, so as to clamp the plates and canopy rigidly. This standard or canopy-support may be one of the vertical binding-strips F of the chimney, as in Fig. 3, but it is preferably bent up of wire, the doubled center portion being passed through the canopy and the ends separated and reversely bent into independent clamping-forks G, adapted to take over the edge of the chimney and support the canopy in place, but at the same time permitting it to be easily removed, renewed, or applied to chimneys of any type.

Having thus described my invention, what I claim as new is—

1. The combination with the chimney for light-giving burners, of the transparent canopy and the metallic plates formed in one piece doubled around the edge of the canopy, and the support or standard for the canopy passing through both said plates and canopy within the edge of the latter and clamped to the plates, whereby the canopy is held in horizontal position; substantially as described.

2. The combination with the chimney for light-giving burners, of the transparent canopy, the integral supporting-plates clamped around the edge of the canopy, and the support or standard formed of wire having its doubled central portion passed through the plates and canopy and clamped thereto, and its ends reversely bent and formed into independent clamping-forks for the top of the chimney; substantially as described.

A. P. STORRS.

Witnesses:

THOMAS DURANT,  
MELVILLE CHURCH.