

No. 640,014.

Patented Dec. 26, 1899.

A. S. NEWBY.  
INCANDESCENT MANTLE SUPPORT.

(Application filed Apr. 12, 1899.)

(No Model.)

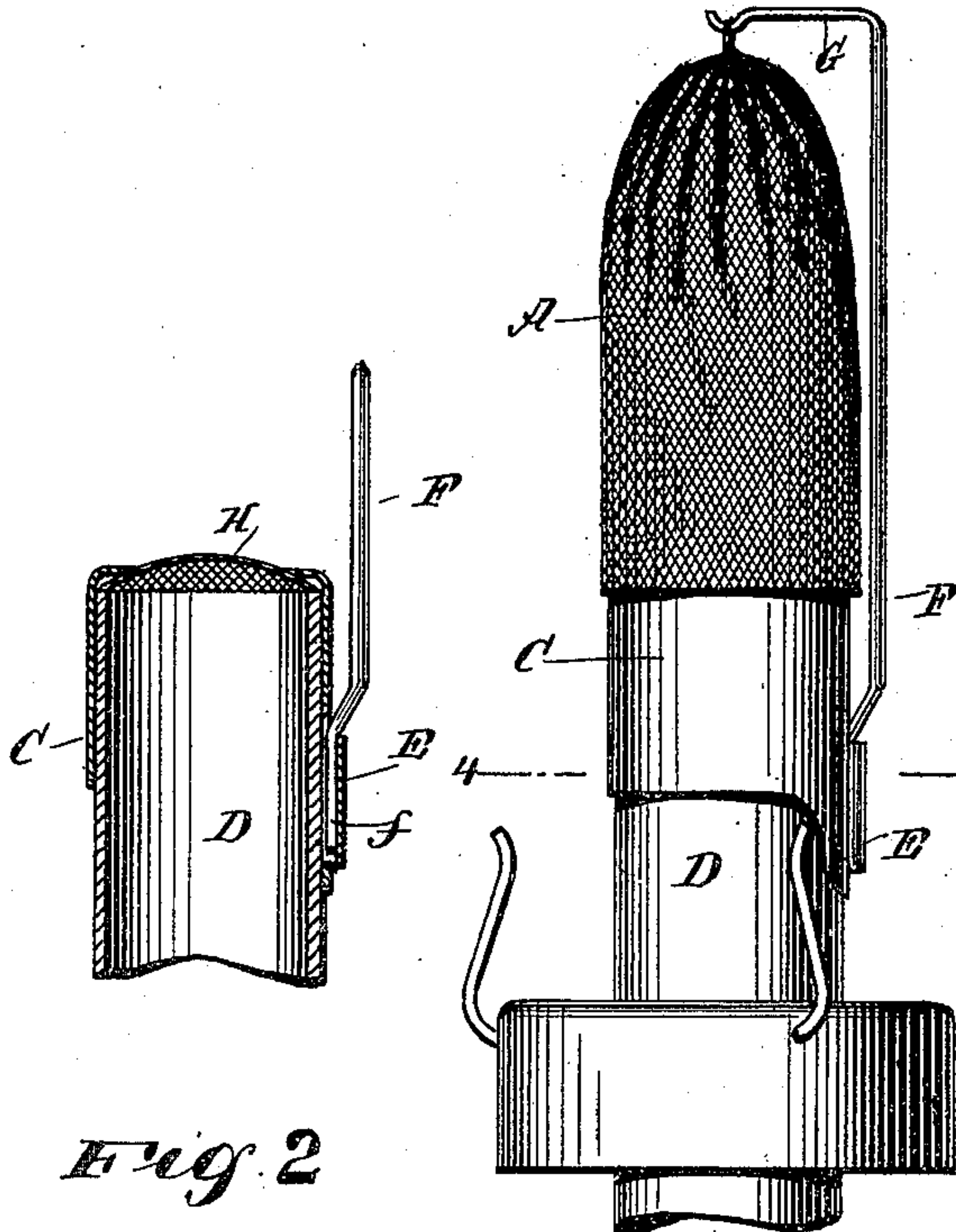


Fig. 2

Fig. 1

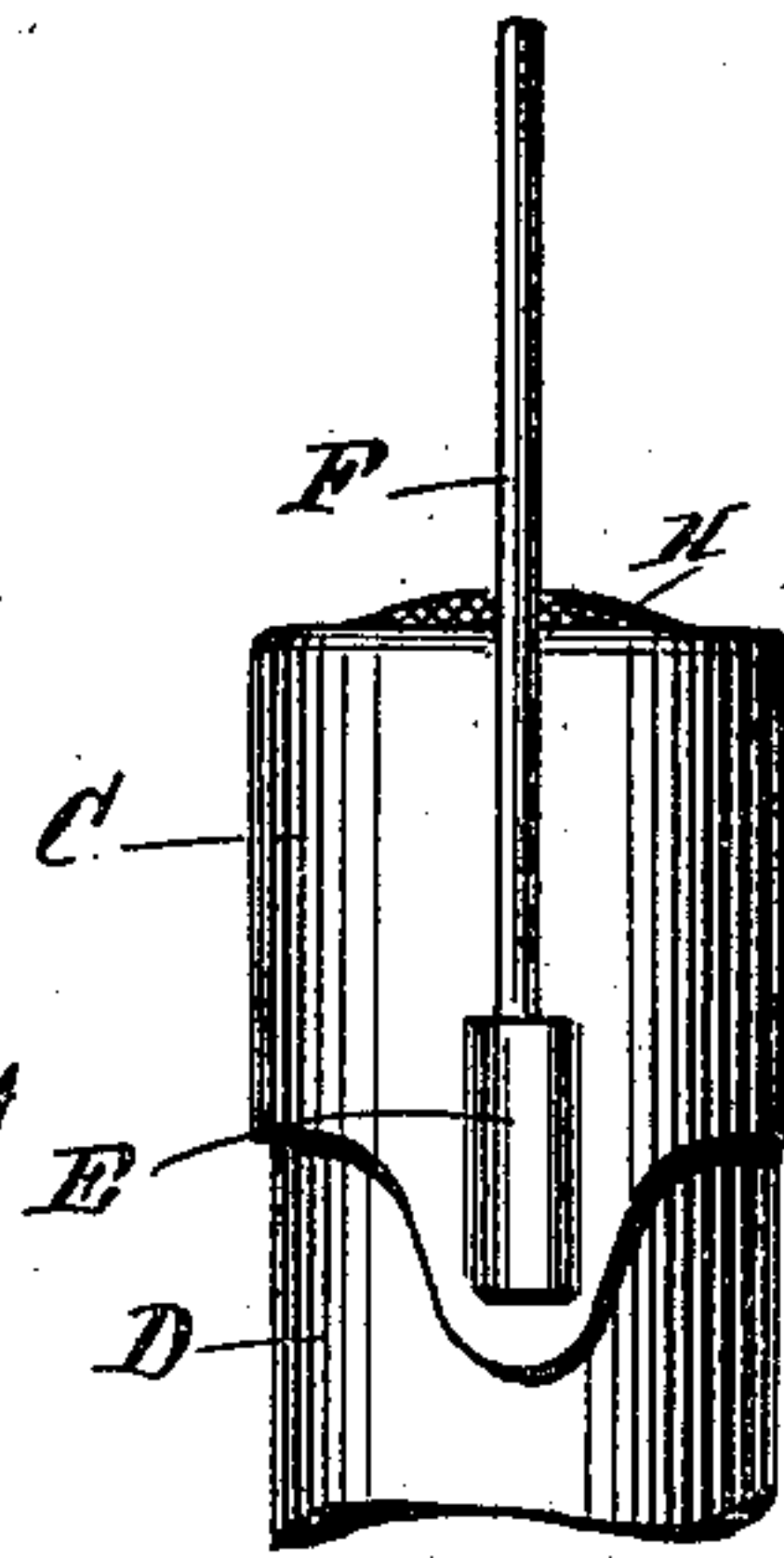


Fig. 3

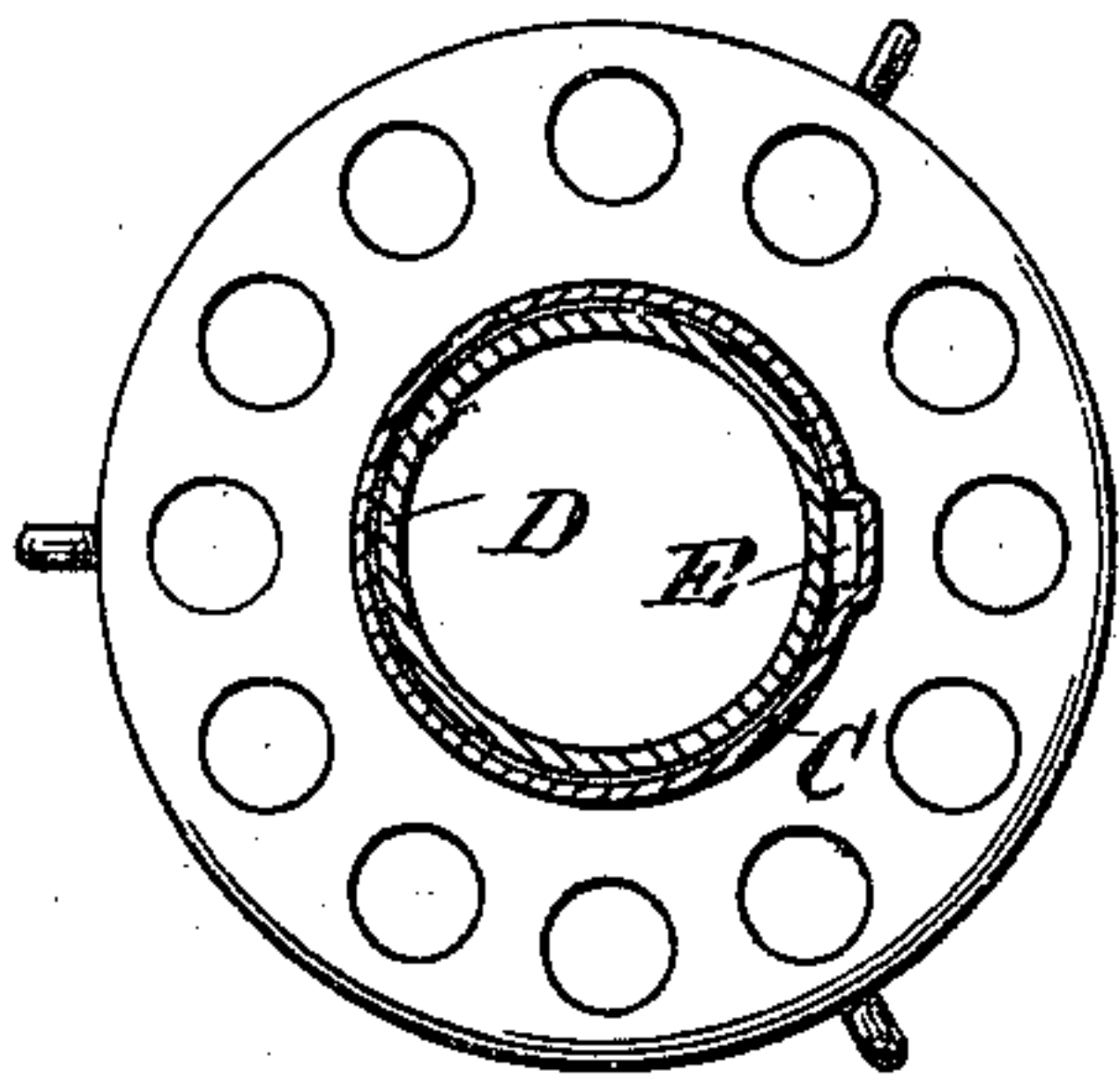


Fig. 4

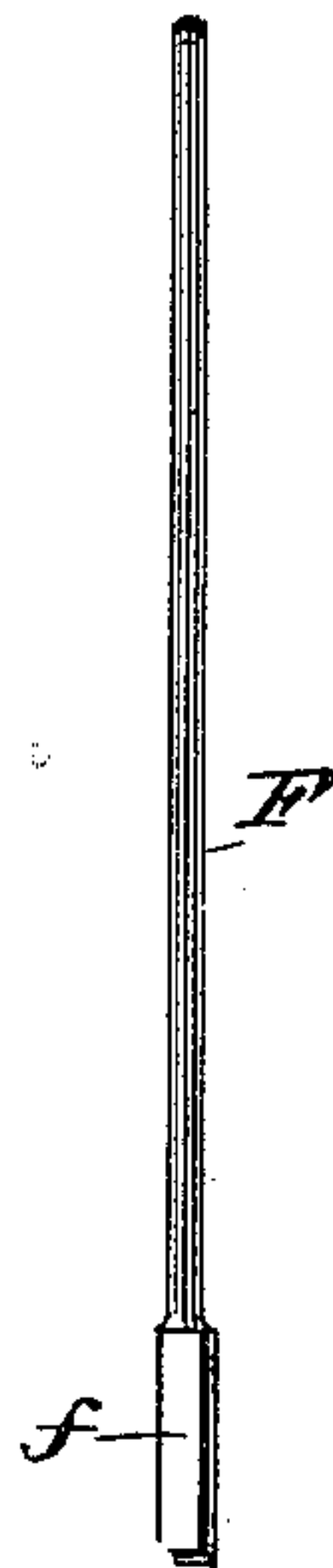


Fig. 5

WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## INCANDESCENT-MANTLE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 640,014, dated December 26, 1899.

Application filed April 12, 1899. Serial No. 712,748. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT S. NEWBY, of Kansas City, in the county of Jackson and State of Missouri, have invented a new and  
5 Improved Incandescent-Mantle Support, of which the following is a full, clear, and exact description.

My invention relates to an improvement in means for supporting incandescent mantles  
10 for lamps.

My invention comprises the novel features which will be hereinafter described and claimed.

Reference is to be had to the accompanying  
15 drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of my device, shown in place upon a burner. Fig. 2 is a  
20 sectional elevation of the upper portion of a burner, showing the exact means for securing my device in place. Fig. 3 is an elevation of the same, taken from a point at right angles to that of Fig. 2. Fig. 4 is a section  
25 upon the line 4 4 in Fig. 1; and Fig. 5 is a perspective view showing the lower portion of the rod which carries the mantle.

One object which is sought to be accomplished by my invention is to provide a mantle  
30 which shall be already hung or secured to its support, so as to avoid the difficulty and the danger to the mantle of endeavoring to hang the mantle to a separate support, instead of which the mantle and the support are fur-  
35 nished together, it being only necessary to insert the lower end of the mantle-support within a socket and the mantle will be secured in place upon the burner.

It often happens in endeavoring to secure  
40 mantles to an ordinary mantle-support that the mantle is broken and injured and in many cases destroyed. If the mantle were secured to a separate support in the factory, where it is possible to employ expert labor, it would  
45 be possible to replace a broken mantle with a new one without this danger of injuring the mantle. With this object in view I secure the mantle A to the upper horizontal arm

G of a vertical rod F, the lower end of said rod being formed of some non-circular sec- 50  
tion, as shown at *f*, so that it may be inserted into a socket and held securely in place. This socket E may be formed upon the burner it-  
self or, as herein shown, may be formed upon a ring C, which surrounds the upper end of 55  
the burner D, and which is herein shown as forming a cap for the burner, said cap carrying the gauze H through which the gas escapes before burning. If desired, the cap C or a  
ring, which is designed to slip over the upper 60  
portion of the burner in a manner similar to that in which the cap is put in place, may be supplied as a part of the mantle-support, the whole being simply slipped over the upper  
portion of the burner. 65

By furnishing a mantle already hung it will be possible to replace an injured mantle without any danger of injuring the fresh mantle.

Having thus fully described my invention, I claim as new and desire to secure by Letters 70  
Patent—

1. A burner-cap, comprising a ring or cylinder adapted to fit over and closely embrace the burner-top, and having a longitudinally-  
extending hollow rib projecting outward be- 75  
yond the periphery of the ring, the ring or cylinder having a hole at the upper end of said rib whereby it is adapted to receive a mantle-supporting standard and a stop at the  
lower end of the rib acting as a support for 80  
said mantle-supporting standard, substantially as described.

2. A cap and mantle-support, comprising a ring or cylinder adapted to fit over and closely  
embrace the burner-top, and having a longi- 85  
tudinally-extending hollow rib projecting beyond the periphery at one side, the cylinder having a hole at the upper end of said rib, and a mantle-supporting rod having one end adapted to enter said hole and rib, the body 90  
of the ring at the lower end of said rib acting as a stop for the rod, and means for securing the mantle to the other end of said rod, substantially as described.

3. A burner-cap, comprising a ring or cyl- 95  
inder adapted to fit over the burner-tube and



having its upper edge rolled inward forming a flange adapted to engage the top of the burner-tube to limit the descent of the cap thereon, and to confine a gauze cover between  
5 the two, said cap having a rib stamped outward on one side and open at its upper end forming a socket for the reception of a mantle-supporting post and a stop for said post at the lower end of the rib, substantially as described.

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Witnesses:

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