

No. 689,720

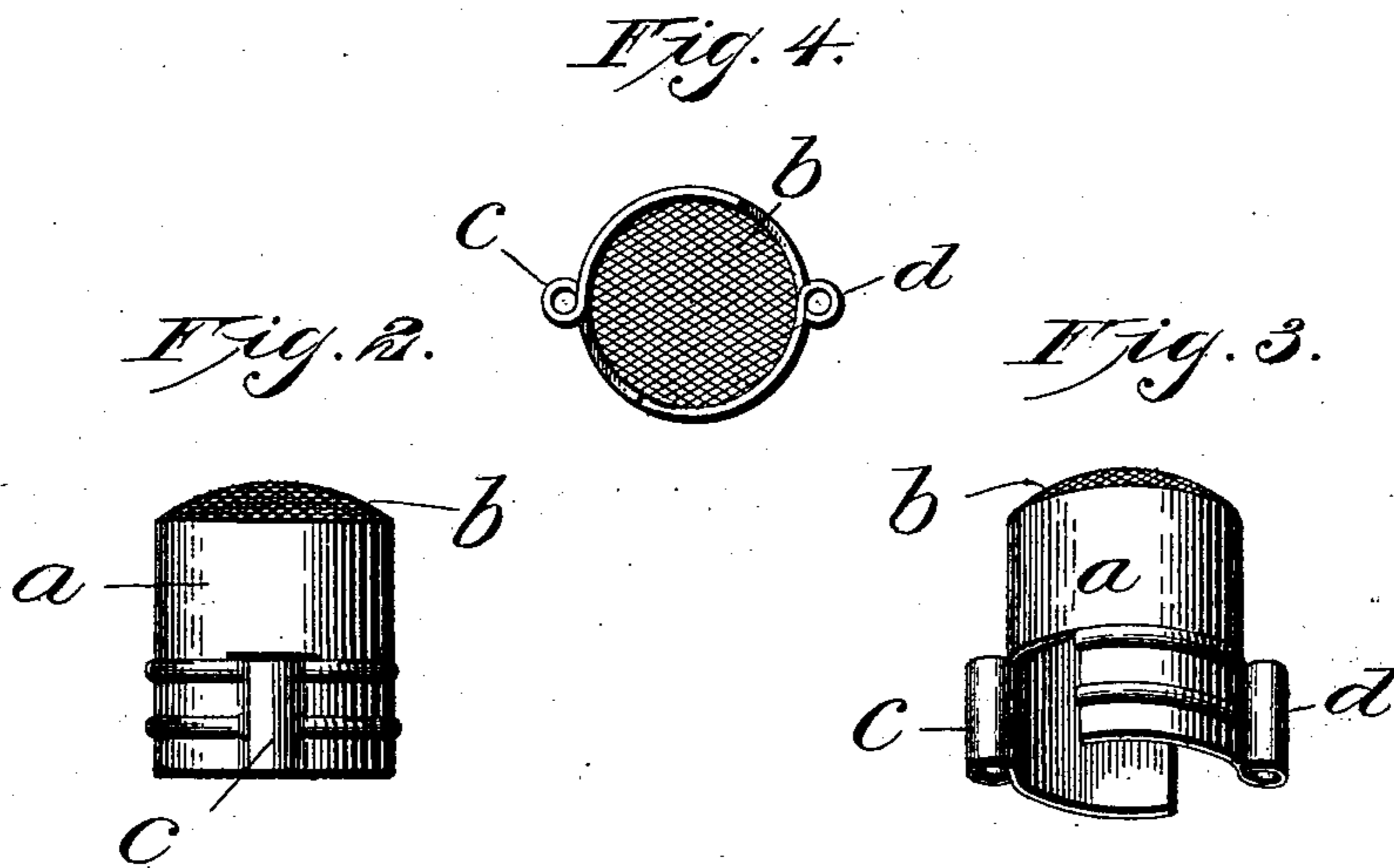
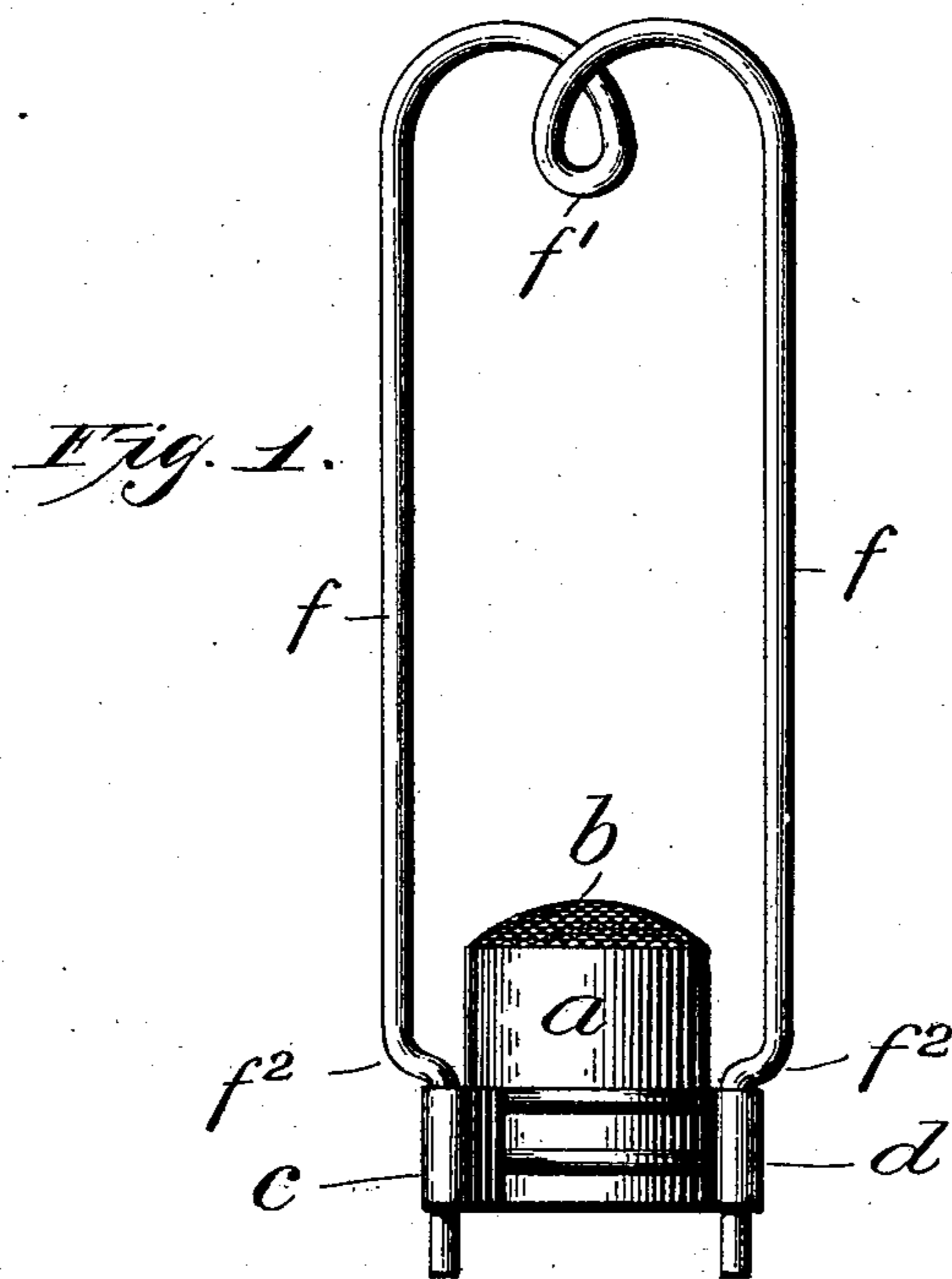
Patented Dec. 24, 1901.

M. HERSKOVITZ.

CAP FOR BURNERS AND MANTLE SUPPORTS.

(Application filed Sept. 15, 1900.)

(No Model.)



WITNESSES:

L. C. Mills,
Charles Shaw,

INVENTOR:

Max Herskovitz,

BY

Marshall

Attorneys.

UNITED STATES PATENT OFFICE.

MAX HERSKOVITZ, OF CHICAGO, ILLINOIS.

CAP FOR BURNERS AND MANTLE-SUPPORTS.

SPECIFICATION forming part of Letters Patent No. 689,720, dated December 24, 1901.

Application filed September 15, 1900. Serial No. 30,172. (No model.)

To all whom it may concern:

Be it known that I, MAX HERSKOVITZ, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Caps for Burners and Mantle-Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in that class of burners that are used in combination with incandescent mantles, and has for its objects to provide a cap for a burner that will furnish means for attaching and supporting the wire frame from which the mantle is suspended and to provide a frame or mantle-support especially adapted for use with such cap. In devices of this character it is important to reduce the parts in number, to make them light and readily attachable, and to secure the mantle directly over the burner and maintain it in that position.

A further important object is to prevent the mantle from slipping down on the burner, as this is a prolific cause of the breaking of many mantles.

In my invention herein described I have avoided the use of a collar or separate piece for attaching the mantle-support and holding it in position, having formed such holding means integrally with the burner-cap itself, as will be hereinafter shown in detail. I have also provided a double mantle-supporting wire or frame which is secured at both ends, supports the mantle from its center, which is directly over the center of the burner, and in which provision is made for preventing the mantle-support from slipping down on the burner or cap.

In the accompanying drawings, which form a part of this application, Figure 1 is an elevation of my improved burner-cap and mantle-support attached thereto. Fig. 2 is a side elevation of the burner-cap alone in a slightly-modified form. Fig. 3 is a perspective view of the burner-cap, and Fig. 4 is a bottom plan of same.

Referring to the drawings, *a* represents a

cylindrical tubular burner-cap having a wiregauze top *b*. In opposite sides of the cap and extending from the bottom edge upwardly and then at right angles cuts are made through the metal, which permit the turning outward of portions of the sides of the tube, thus forming wings or projecting sections, which are bent back or curled to form sockets *c d* of proper size to receive snugly the ends of the wire mantle-support *f*, which are inserted therein when the parts are assembled.

The mantle-support *f* is formed of a single wire bent upon itself to form two members of equal length and substantially parallel to each other throughout the greater part of their length. In the bend of the wire a downward bend *f'* is made, in which the suspending-cord of the mantle rests, such bend being directly over the center of the burner. To prevent the ends of the wire from slipping down in their sockets after they are in position, I form shoulders *f''* thereon by bending the wire inwardly at points near its ends, so that when the mantle-support is in position the shoulders will rest on the upper edge of the sockets *c d*. To prevent the wire from being accidentally pulled out of the sockets, the sides of the latter are preferably pinched on the wire by a suitable tool. It will also be apparent that the sockets may be formed on the cap by pressing outwardly portions of the sides of the latter, a horizontal cut having been made in the metal to form the upper edge of the socket, such form being shown in Fig. 2 of the drawings.

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

1. A cap for burners of the class described, composed of a tube having on opposite sides integrally-formed sockets extending from the lower edge of the tube part way up the sides of same, said sockets having open ends and lying close to the sides of the cap whereby the walls of the tube form in part the walls of the socket.

2. In a mantle-support, the combination of a tubular cap having on opposite sides integrally-formed sockets extending from the lower edge of the tube part way up the sides

of the latter, said sockets having open ends
and lying close to the sides of the cap, and a
double - wire standard having its ends em-
braced by the walls of said sockets and the
5 sides of the cap and having its sides bent out-
wardly above said sockets, substantially in
the manner and for the purpose set forth.

In testimony whereof I affix my signature
in presence of two witnesses.

MAX HERSKOVITZ.

Witnesses:

F. BENJAMIN,
S. R. BOWEN.