

No. 708,383.

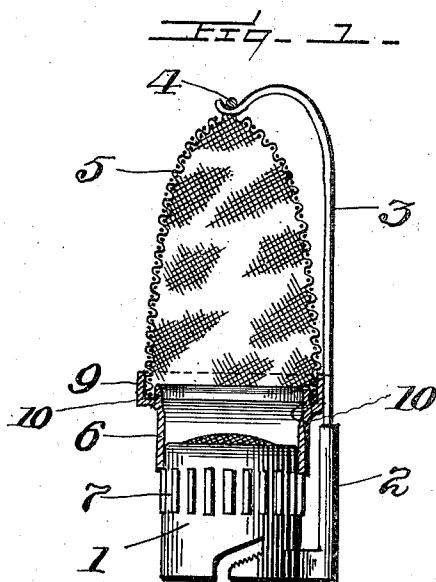
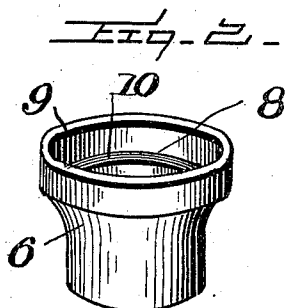
Patented Sept. 2, 1902.

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MANTLE SUPPORT.

(Application filed Mar. 10, 1902.)

(No Model.)



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UNITED STATES PATENT OFFICE.

JOHN E. MURRAY AND JOSEPH J. HOOVER, OF WASHINGTON,
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MANTLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 708,383, dated September 2, 1902.

Application filed March 10, 1902. Serial No. 97,456. (No model.)

To all whom it may concern:

Be it known that we, JOHN E. MURRAY and JOSEPH J. HOOVER, citizens of the United States of America, residing at Washington, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Mantle-Supports, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in mantle-supports, and has for its object the provision of novel means whereby a mantle is supported in a manner that will prevent the same from being easily broken, thereby greatly lengthening the life-time of the mantle.

The invention further aims to provide a device of this character that will be extremely simple in construction, strong, durable, comparatively inexpensive to manufacture, and highly efficient in its use.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts, to be hereinafter more fully described, and specifically pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a side elevation of a mantle, showing the support in vertical section. Fig. 2 is a detail perspective view of the support.

In the drawings the reference-numeral 1 represents the mantle-holder, which fits over the ordinary gas-burner, said mantle-holder having formed integral with its lower edge a vertical sleeve or socket 2, in which is secured a wire 3, which is looped at its free end, as shown at 4, to engage the upper portion of the mantle 5. A cup-shaped sleeve 6 frictionally engages the mantle-holder 1 and rests upon supports 7, formed integral with the mantle-holder. The said cup-shaped sleeve has its upper portion flared outwardly to form an interior annular seat 8, upon which the end of the mantle 5 rests, and continuing in an outer vertical annular flange 9. Arranged within the annular flange 9 and ex-

tending vertically in a plane parallel to the bore of the sleeve 6 is an inner flange 10. The annular flanges 9 and 10 are formed integral with the cup-shaped sleeve, support the lower end or portion of the mantle 5, and prevent vibration of the mantle, as is often the case.

The many advantages obtained by the use of our improved device will be readily apparent from the foregoing description, taken in connection with the accompanying drawings.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a mantle-support, the combination of a mantle-holder, a sleeve frictionally engaging said mantle-holder, said sleeve having its upper end flared outwardly and terminating in a vertical flange, and an inner integral flange arranged in vertical alinement with the bore of the said sleeve the said flared portion forming a seat adapted to support the lower portion of a mantle between the said flanges.

2. In a mantle-support, the combination with a mantle-holder formed on its sides with integral stops, and a mantle-wire-receiving sleeve formed integral with the lower edge of the mantle-holder, and having its upper end extending above the upper edge of the said holder, of a sleeve adapted to be slid onto the upper portion of the mantle-holder and engaging the stops thereof, said sleeve provided at its upper end with two integral flanges spaced apart and forming a seat therebetween, and a looped wire having its lower end secured in the said first-named sleeve and adapted to receive a mantle.

3. In a mantle-support, the combination of a mantle-holder, and a cylindrical sleeve engaging said mantle-holder and having its upper end flared outwardly and provided with a pair of vertically-arranged annular flanges arranged one within the other and formed integral with the said flared upper end of the said sleeve.

4. In a mantle-support, the combination of a mantle-holder, and a cylindrical sleeve en-

gaging said mantle-holder, and having its upper end flared outwardly, said flared portion being provided with a pair of vertically-arranged parallel flanges arranged one within
5 the other, and forming a seat therebetween for the lower end of a mantle, said outer flange extending above the inner flange, substantially as described.

In testimony whereof we affix our signatures in the presence of two witnesses.

JOHN E. MURRAY.
JOSEPH J. HOOVER.

Witnesses:

JOSEPH T. ROBERTS,
PRESTON BERRY.