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J. M. SIMMONS.
HOLDER FOR LAMP MANTLES.
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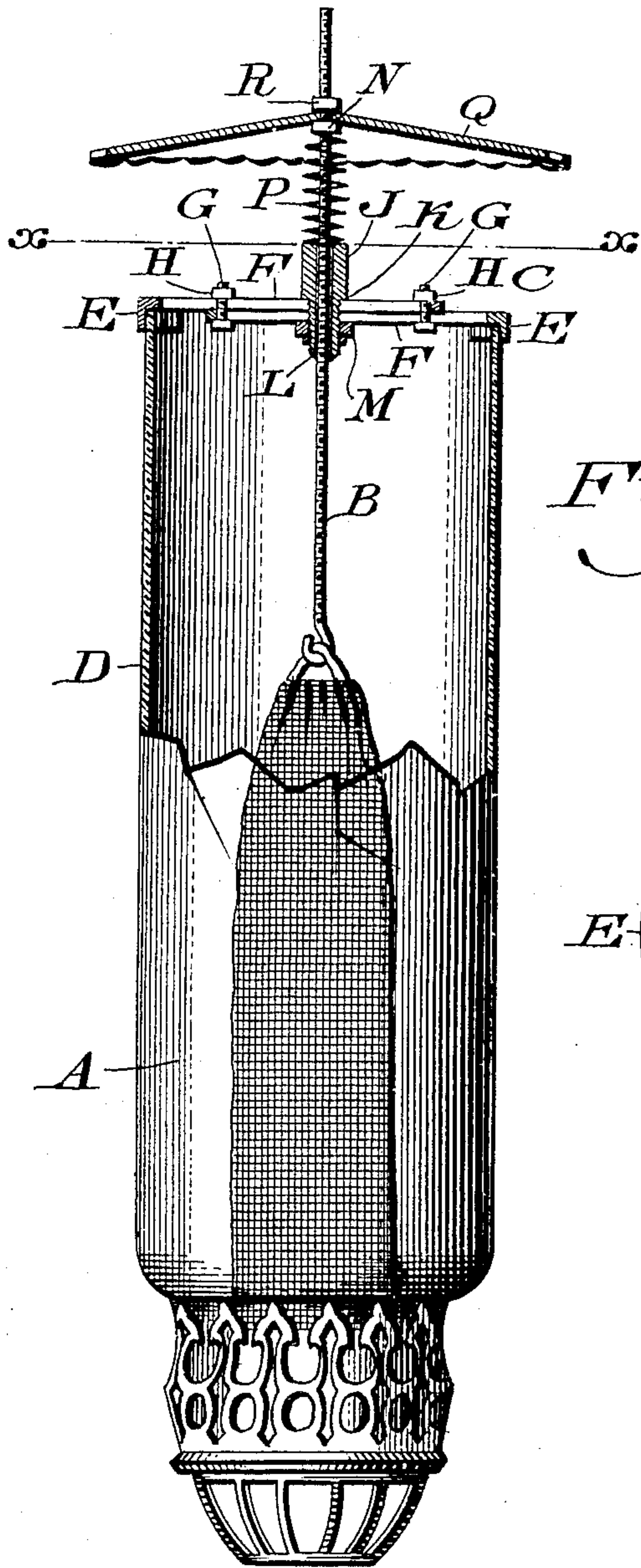
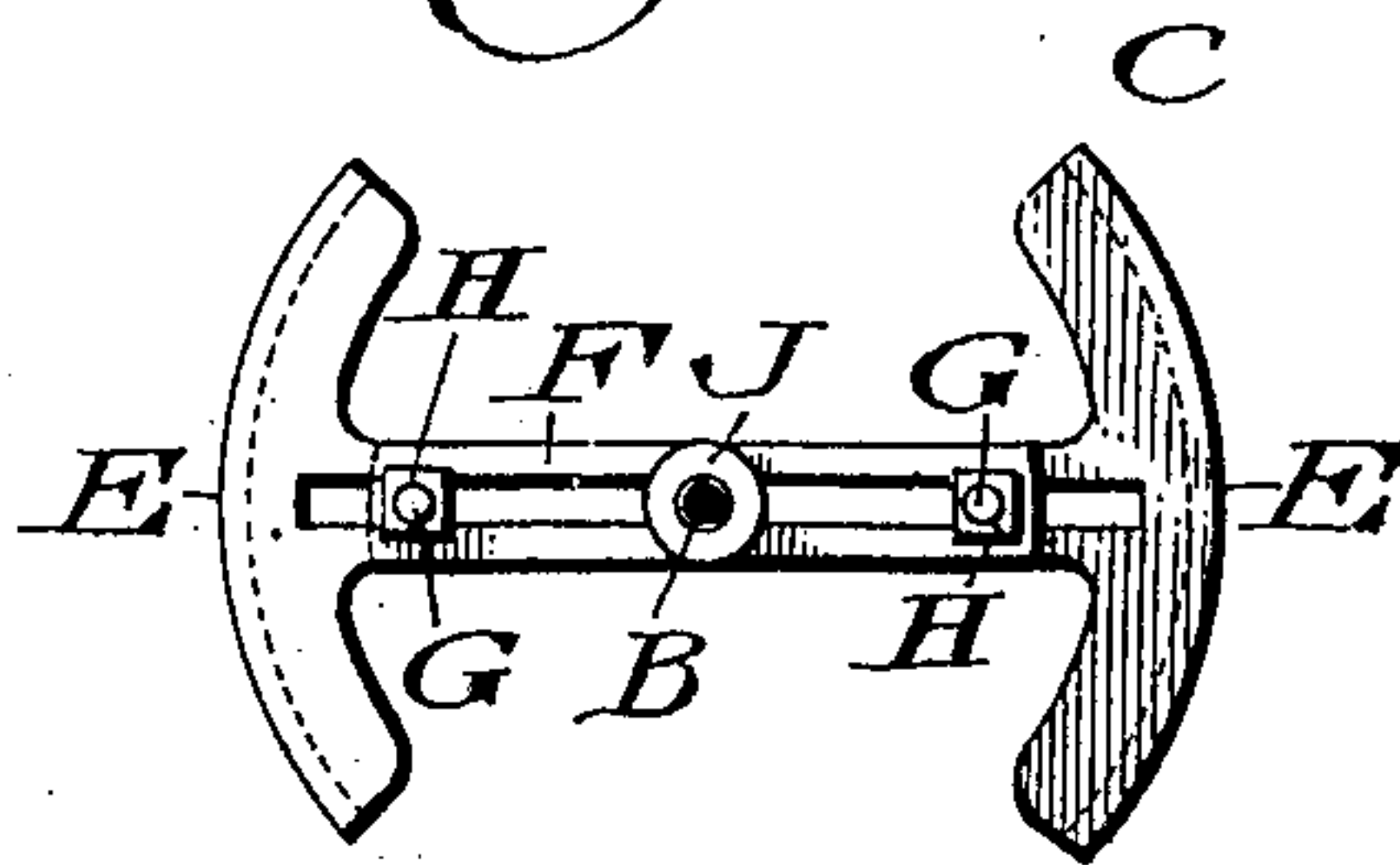


Fig. 1.

Fig. 2.



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JOSEPH M. SIMMONS, OF PHILADELPHIA, PENNSYLVANIA.

HOLDER FOR LAMP-MANTLES.

No. 869,661.

Specification of Letters Patent.

Patented Oct. 29, 1907.

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To all whom it may concern:

Be it known that I, JOSEPH M. SIMMONS, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Holder for a Lamp-Mantle, of which the following is a specification.

My invention consists of novel means for supporting a lamp mantle of the order of Welsbach.

It also consists in rendering a member of said means adjustable to chimneys or shades of various diameters.

It also consists of means for relieving the mantle of the effects of shocks or concussion that may be transmitted to the chimney, shade or lamp.

It further consists in adapting the mantle support as a holder for a smoke bell or canopy.

Figure 1 represents a partial side elevation and partial vertical section of a holder etc. for a lamp mantle. Fig. 2 represents a horizontal section of a portion thereof on line *x-x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings: A represents a lamp mantle of the order of Welsbach.

B designates a rod, the lower end of which is adapted to be hooked or otherwise connected with the mantle.

C designates a bridge which is adapted to be supported on the top of the lamp chimney D, the same being constructed of the flanged segments E, the slotted arms F, which carry the nuts H, which when tightened serve to clamp said arms, it being noticed that the segments E are adapted to embrace the edge of the chimney, and that when the nuts are loosened, the arms may slide one on the other so as to adjust said segments to be fitted on chimneys of varying diameters. When the adjusting is accomplished, the nuts are tightened, when the bridge reliably retains its position on the chimney.

J designates a sleeve which is passed through the slots of the arms F, and has depending from its lower end, which forms the shoulder K, the threaded neck L, on which is fitted the nut M, which when tightened against the lower arm F, as the shoulder K rests upon the top of the upper arm F firmly connects the sleeve with the bridge.

Freely passing through said sleeve, is the rod B whose upper portion is screw threaded, and has fitted to it the nut N, between which and the sleeve is the coiled spring P which encircles said rod, the latter being subjected to the resilient action of said spring, it being also evident that should the lamp or chimney be subjected to shocks or concussion, the same will not be materially transmitted to the mantle, as the rod B is permitted to yield, due to the interposition of the spring P between the nut N and the sleeve J, said nut and spring being movable with said rod, and said sleeve being comparatively stationary, the shocks or con-

cussion thus being prevented from materially injuring the mantle, while the latter is conveniently supported by the rod B, thus providing means for holding a mantle of the order stated without the employment of the embracing collars heretofore employed on the lower end thereof.

On the rod B, is the smoke bell or canopy Q, whose central portion rests on the nut N, above which portion is the nut R, it being seen that by means of said nuts N and R, the bell or canopy Q may be firmly clamped to the rod B, it being also evident that the bell or canopy may be vertically adjusted on said rod and so set at desired height thereon.

It will also be seen that the nut N may be operated, whereby the rod B may be raised or lowered so as to vertically adjust the mantle relative to the length of the same or the position it is to occupy on the lamp.

While I have specified certain means for carrying out my improvements, I do not wish to be limited exactly to the same, but desire to make such changes as may come within the scope of the novelty involved.

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

1. A mantle support comprising supporting means to rest on the chimney, and a member disposed axially of the mantle and mounted on said supporting means for free reciprocation therethrough.

2. In a support for a lamp mantle, a device adapted to be sustained on the chimney of the lamp, and reciprocatingly-mounted means disposed axially of the chimney whereby said mantle may be resiliently connected with said device.

3. A support for a lamp mantle, comprising a reciprocatingly-mounted member which is attached to the mantle, and a device from which said member may depend, said device being adapted to be sustained on the chimney of the lamp axially thereof.

4. A support for a lamp mantle, comprising a reciprocatingly-mounted member which is attached to the mantle, and a device from which said member may depend, said device being adapted to be sustained on the chimney of the lamp axially thereof and is adjustable to chimneys of different widths.

5. A mantle support comprising longitudinally-adjustable supporting means to rest on the chimney, and a member disposed axially of the mantle and mounted on said supporting means for free reciprocation therethrough.

6. In a support for a lamp mantle, a reciprocatingly-mounted member adapted to be connected with the mantle and disposed axially of the chimney, a device adapted to be sustained on the chimney of the lamp, said member being freely engaged with said device, and a resilient connection for said device and member.

7. In a support for a lamp mantle, a member adapted to be connected with the mantle, a device adapted to be sustained on the chimney of the lamp, a tubular piece supported on said device, said member passing freely through said piece, and a spring interposed between said piece and an abutment on said member.

8. In a support for a lamp mantle, a member adapted to be connected with the mantle, a tubular piece through which said member freely passes, a device carrying said piece and adapted to be sustained on the chimney of the

lamp, and a spring adapted to be interposed between said piece and an abutment on said member.

5 9. A lamp mantle support comprising freely-slidable means for supporting the mantle disposed axially of the chimney, and a canopy adapted to be sustained on said means.

10 10. A lamp mantle support comprising a freely-slidable carrying member for the mantle disposed axially of the chimney, horizontally-adjustable means for supporting said member, and a canopy adapted to be secured to said member.

11. A lamp mantle support comprising a freely-slidable carrying member for the mantle disposed axially of the

chimney, a device applicable to the chimney of the lamp, a resilient connection for said member with said device, a 15 canopy on said member, and means on said member for adjustably securing said canopy in position.

12. A lamp mantle support comprising means to rest on the chimney, a member disposed axially of the mantle and 20 mounted on said supporting means for free reciprocation therethrough, and means for vertical adjustment of said member.

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