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Patented Aug. 16, 1898.

G. W. CARVER.

CHIMNEY HOLDER FOR LAMP BURNERS.

(Application filed Aug. 26, 1897.)

(No Model.)

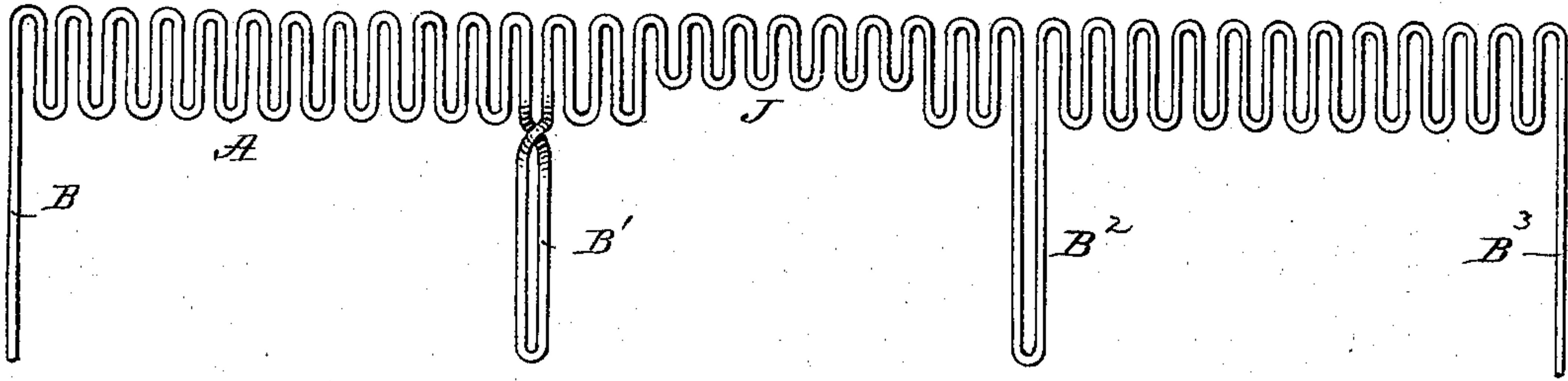


Fig. 1.

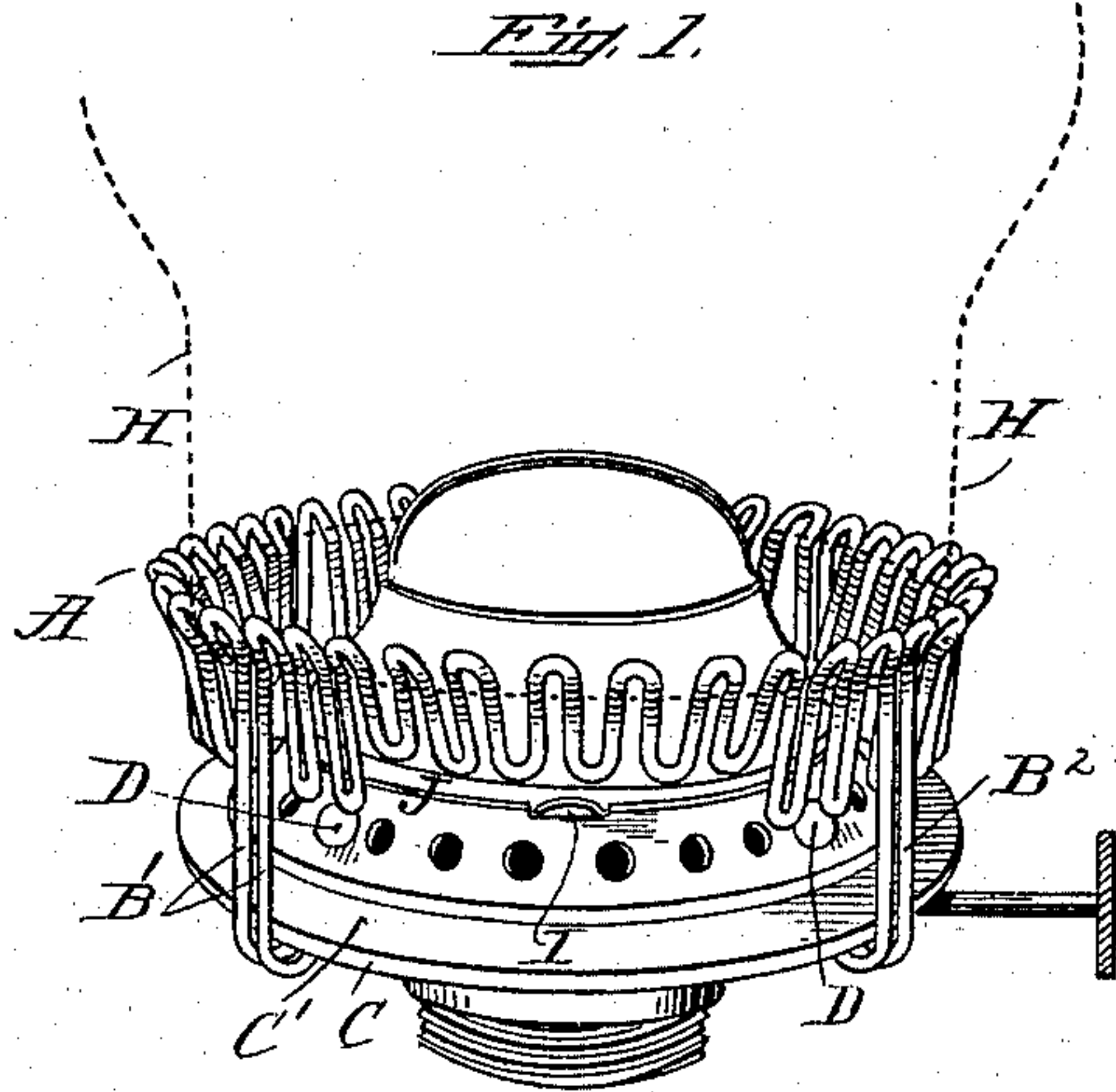


Fig. 2.

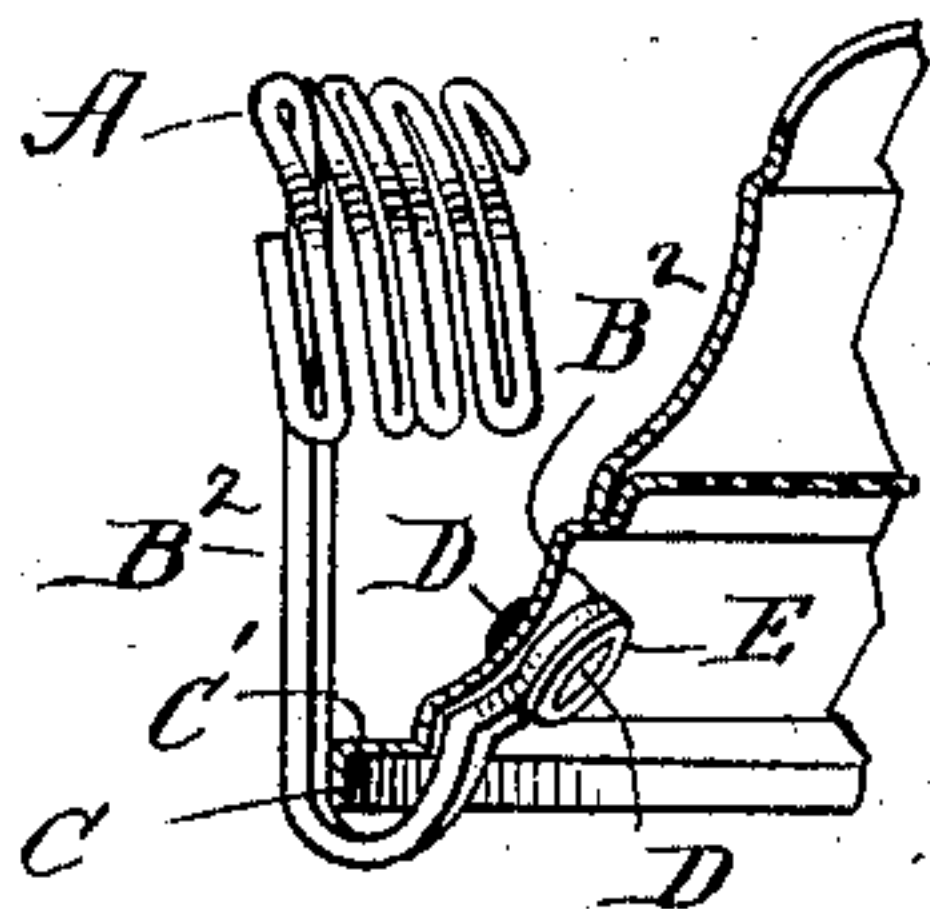


Fig. 3.

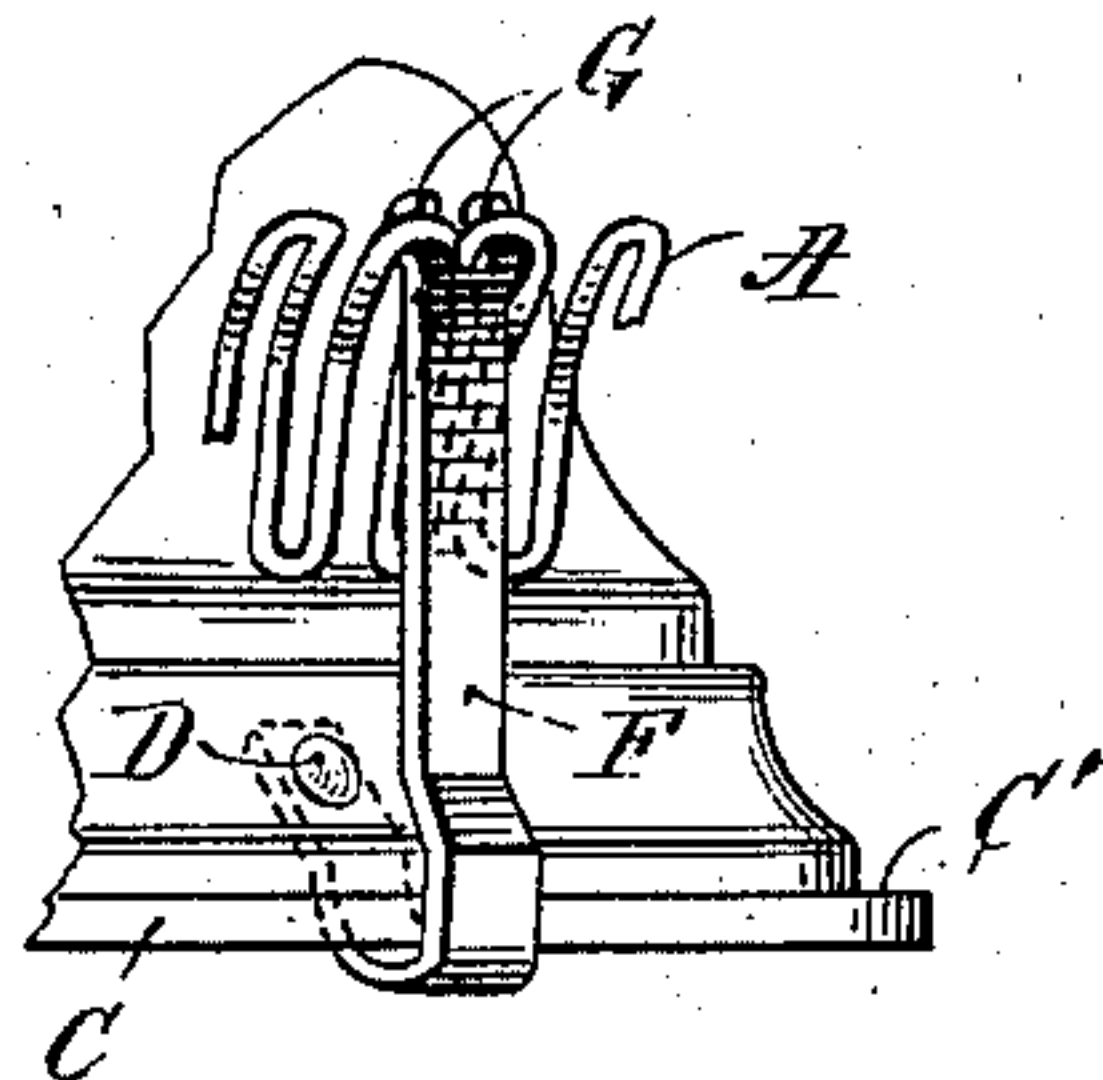


Fig. 4.

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# UNITED STATES PATENT OFFICE.

GEORGE W. CARVER, OF BROOKLINE, MASSACHUSETTS.

## CHIMNEY-HOLDER FOR LAMP-BURNERS.

SPECIFICATION forming part of Letters Patent No. 609,139, dated August 16, 1898.

Application filed August 26, 1897. Serial No. 649,566. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. CARVER, of Brookline, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in Chimney-Holders for Lamp-Burners, which will, in connection with the accompanying drawings, be hereinafter described, and specifically defined in the appended claims.

My invention relates to an improvement in or an attachment to a well-known type of lamp-burner for holding the chimney in place upon the base of the burner; and it consists in the device hereinafter fully described, and as pointed out in the claims.

In the drawings, Figure 1 is a plan of the attachment as it is formed to be applied to the burner. Fig. 2 is a perspective view of the burner with the attachment applied. Fig. 3 is a detail showing the method of securing the attachment to the base of the burner. Fig. 4 is a detail showing another method of securing the attachment to the burner.

Referring to the drawings, A represents a band of corrugated wire embodying my invention, formed of sufficient length, when extended in a straight flat band, as shown in Fig. 1, to properly encircle the chimney for which it is adapted when secured to the base of the burner, as shown in Fig. 2, the length being regulated according to the circumference of the chimney which it is to hold and adapted to the size of burner requiring such chimney. Four extended loops of wire B B' B<sup>2</sup> B<sup>3</sup> constitute the upholding-supports of the elastic band when attached to the burner and may be carried down from the upper edge of the band and bent under the edge of the burner C and secured thereto by a rivet D, extending through the wall of the burner C, the loop of wire B<sup>2</sup>, and a clamping-washer E, and upset against the washer, all as shown in Fig. 3, or may be secured in any other convenient and suitable manner. Instead of forming the supports and band integrally, as shown, a separate support for upholding the expansible and contractile band A may be employed, consisting of a suitable number of arms F, secured in like manner to base C and extending upward therefrom, terminating in forks G, the prongs of each of which engage two ad-

jacent loops in the upper edge of the band, as shown in Fig. 4, and thereby suspend and hold the band in position to receive and act on the chimney as required, said arms being adapted to yield with the expansion and contraction of the band.

When my chimney-holding attachment is secured in proper position upon the burner, as illustrated in Fig. 2, the chimney, the base of which is indicated by dotted lines H in said figure, rests first inside the flared top of the band, as shown, and being pressed downward causes the band to expand and bear all around upon the circumference of the chimney while the latter is seated on its bearing C' on base C, where it is securely held by the contractile force of the band.

To give access under the band to the catch I of the hinged cap of the burner or to the chimney, one or more spaces, as at J, Figs. 1 and 2, may be left by shortening the loops of the band, as shown, for such purpose, and if necessary to prevent the long loop-wire supports from too freely opening when the band is expanded they may be crossed and bent, as shown at B', Fig. 1, or otherwise held together by any suitable means.

I am aware that a reinforcing-spring has been heretofore employed for imparting additional pressure to "a series of independent elastic arms projecting upward from the chimney-supporting base or flange of the burner and bearing with yielding pressure upon the exterior of the chimney-base;" but in that case only the elastic arms bear directly upon the chimney and at wide intervals, whereas my broad elastic band much more effectively presses by its contractile force against the entire circumference of the chimney, and, besides, it overcomes the annoying difficulty which is encountered when such arms are used, even when so reinforced, in placing the chimney in position upon the burner, as such widespread arms interrupt rather than guide the chimney to its seat upon the burner, while my practically continuous circular edge serves as a most certain and convenient guide, necessitating only the slightest care in placing the chimney quickly and safely in position.

I claim—

1. The combination with a lamp-burner of



a chimney-holding attachment consisting of a band of corrugated wire whose folds render the band contractile and afford a broad annular bearing upon the body of the chimney, and  
5 from which a series of elongated loops are extended downward and secured to the burner-base to uphold the band; all substantially as and for the purposes specified.

2. The combination with a lamp-burner of  
10 a chimney-holding attachment consisting of a band of corrugated wire whose folds render the band elastic and afford a broad annular bearing upon the circumference of the chimney, the upper circular edge of the band being  
15 flared and supported upon loops, formed of the same wire as the band, extending down-

ward therefrom and secured to the base of the burner, as and for the purposes specified.

3. The combination with a lamp-burner of a chimney-holding attachment, consisting of  
20 a band of corrugated wire whose folds render the band elastic, and are so formed as to narrow the band to leave an open space in the lower edge thereof, the band being supported  
25 upon arms extended downward therefrom and attached to the base of the burner; all substantially as and for the purposes specified.

GEORGE W. CARVER.

Witnesses:

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