

(No Model.)

T. WALL.
CHIMNEY HOLDER FOR LAMPS.

No. 418,479.

Patented Dec. 31, 1889.

FIG - I -

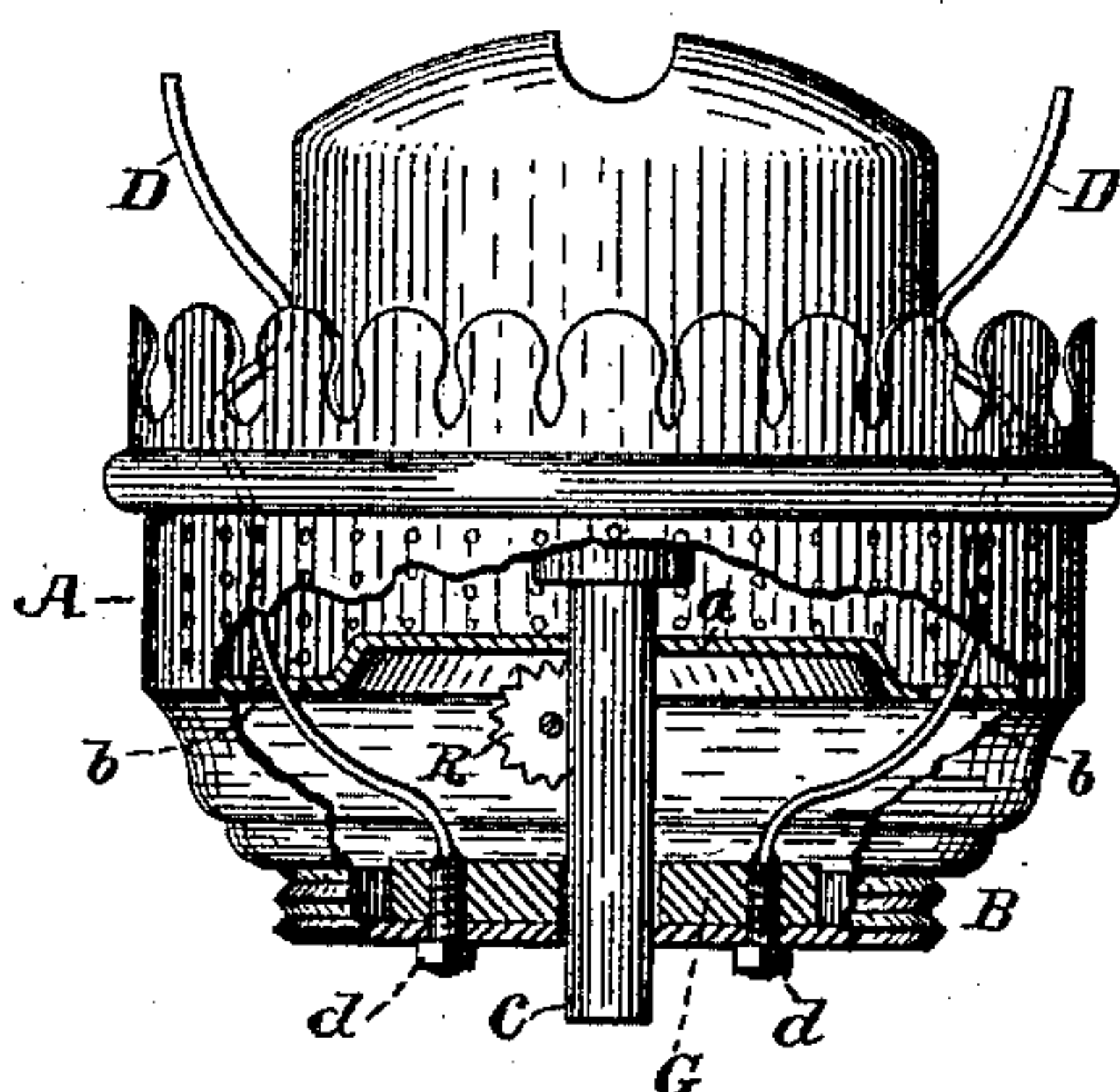
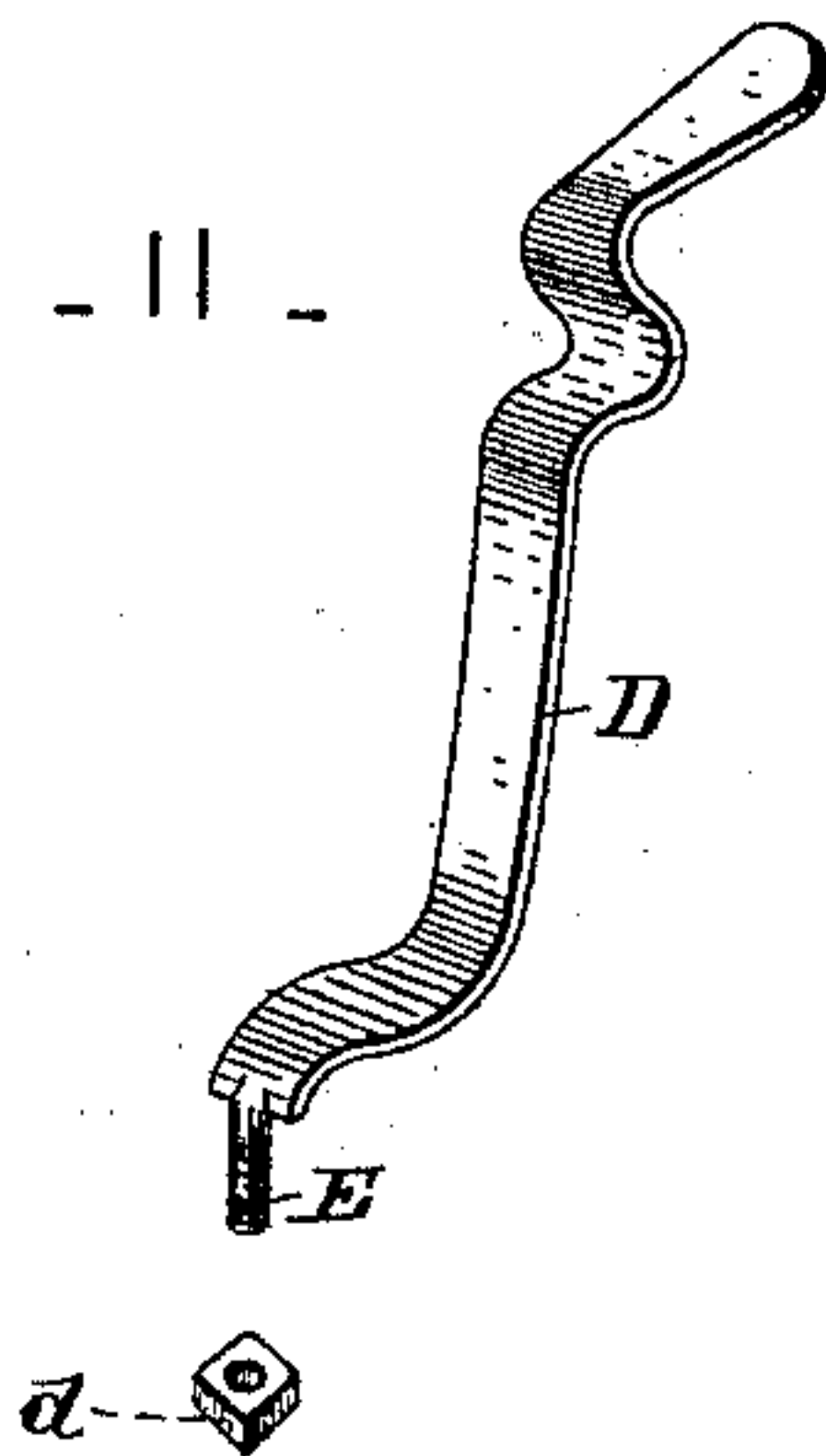


FIG - II -



Attest:
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UNITED STATES PATENT OFFICE.

THOMAS WALL, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND
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CHIMNEY-HOLDER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 418,479, dated December 31, 1889.

Application filed March 7, 1889. Serial No. 302,246. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WALL, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Chimney-Holders for Lamps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and accurate description.

My invention consists of an improvement in the springs for holding the chimney on the burner, by means of which they can be removed and replaced at will.

In the accompanying drawings, Figure I represents an elevation of the burner with parts broken away to show the interior. Fig. II is a detail view showing one of the chimney-holding springs.

My improved chimney-holding springs are constructed as follows: The upper portion of said spring is bent in the usual form, while the lower portion is so bent that it can pass downward through openings in the bottom plate of the lamp-burner and through a solid plate fastened on the lower portion of the wick-tube. The lower portions of said springs (being the portions which pass through the plate last mentioned) are formed into small bolts having cut thereon screw-threads, and when placed in position are firmly secured by nuts engaging in said screw-threads. It will readily be seen that by removing the nuts the springs can be taken out and replaced at will without disarranging any other part of the burner.

In the drawings, A represents the burner; B, the screw-cap of the lower portion of the burner; C, the wick-tube; R, the wick-raising device; *a*, the bottom plate of the burner A, to which the wick-tube is attached; *b*, holes

in the bottom plate *a*, through which the chimney-holding springs D pass. At the ends of the chimney-holding springs D are formed screw-threaded bolts E.

d are the nuts, and G the plate attached to the bottom of the wick-tube C, through which the screw-threaded bolts E pass. It will be seen that by forming the lower ends of the springs D with the screw-bolts E, I obtain a shoulder which serves as a resting and steady- ing agent when the springs D are placed in the plate G, and the screw-bolts E being of smaller diameter, merely enough, in fact, to pass through the holes in the plate G, and capable of being secured tightly in position by means of the nuts *d*, there is no opportunity afforded for the springs D to tear out or shift their position.

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

1. The combination, with a lamp-burner, of a spring for securing the chimney in the burner, consisting of the upper springy portion and the lower screw-threaded portion, and a nut for holding the spring rigidly in position, substantially as set forth.

2. The combination of the burner A, wick-regulating mechanism R, wick-tube C, bottom plate *a*, spring D, and strengthening-plate G, attached to the bottom of said wick-tube and adapted to receive the screw-threaded portions of the springs D and a nut to hold them securely in place, substantially as and for the purpose herein set forth.

THOMAS WALL.

Witnesses:

LOUIS W. FROST,
WILSON W. HOOVER.