

W. W. JACOBS.

Vapor Burner.

No. 70,573.

Patented Nov. 5, 1867.

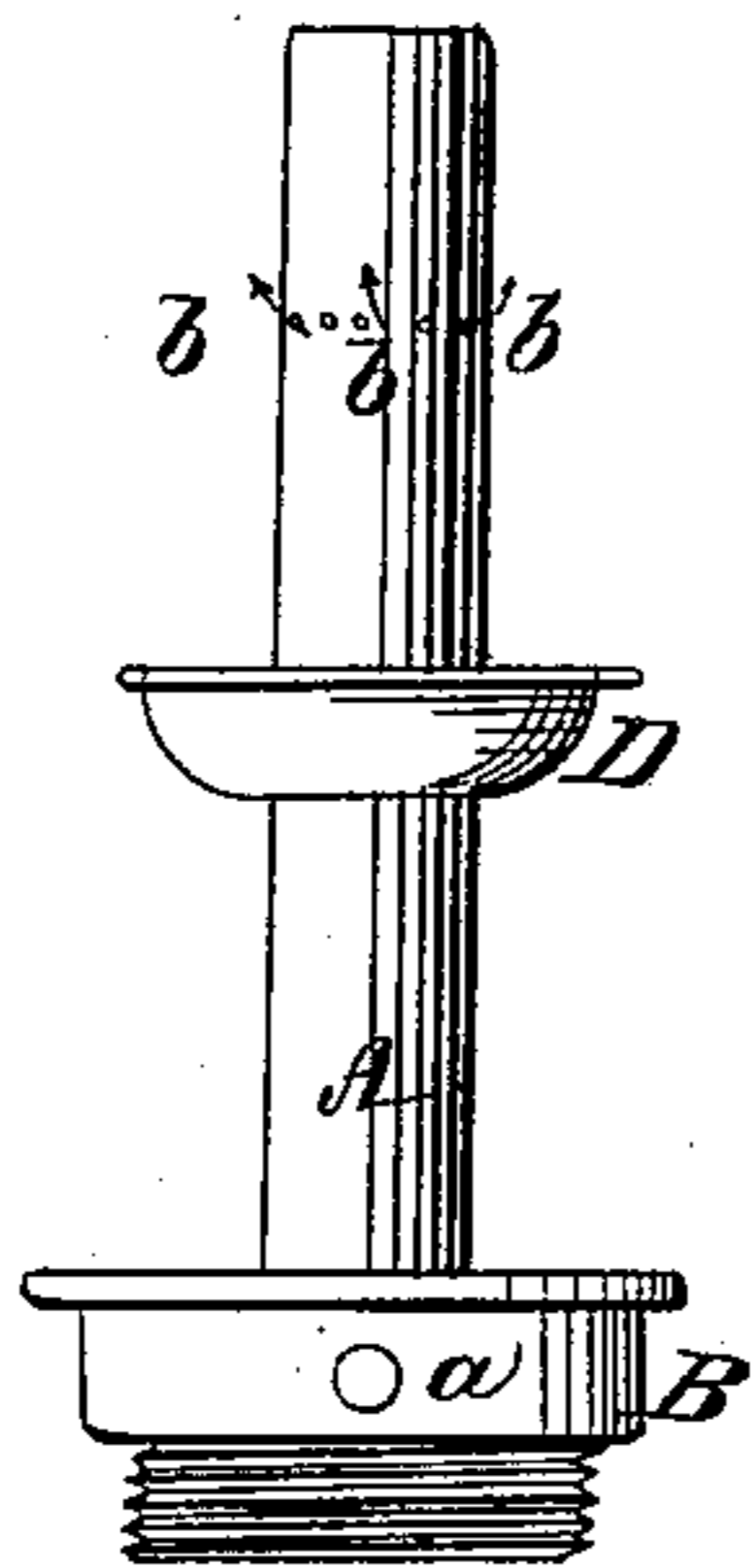
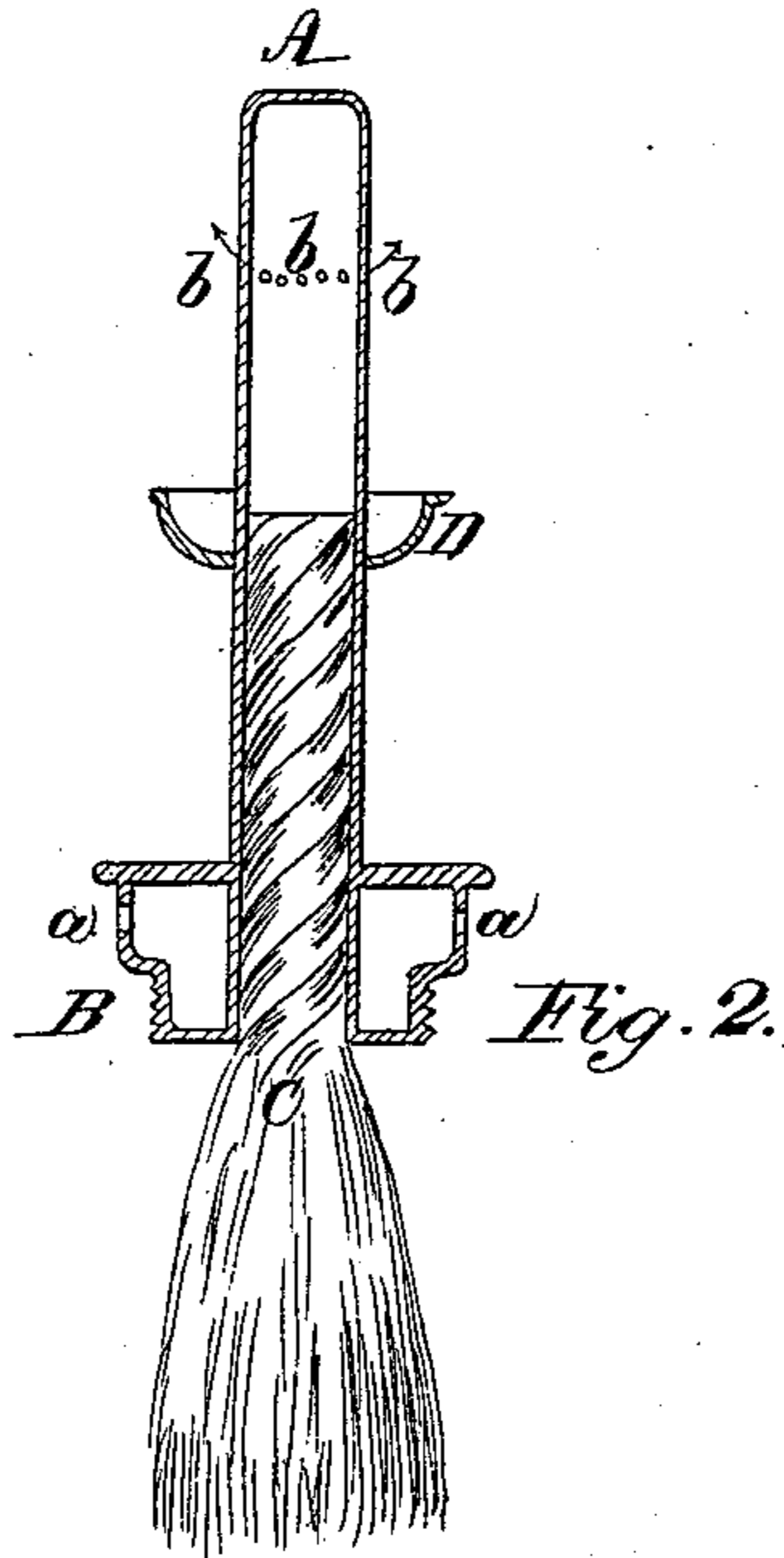


Fig. 1.



Witnesses:
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by his Attorney
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United States Patent Office.

W. W. JACOBS, OF HAGERSTOWN, MARYLAND.

Letters Patent No. 70,573, dated November 5, 1867.

IMPROVEMENT IN VAPOR-LAMP BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. W. JACOBS, of Hagerstown, county of Washington, in the State of Maryland, have invented a new and "Improved Jet-Burner for Lamps;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon, in which like parts are indicated by like letters in the several figures.

The nature of my invention consists in an improvement on the jet-burner in common use, and consists in having the metallic screw and tube in one piece, with no tubing below the screw, and with a small pan or concave disk around the tube below the jet-holes.

To enable others skilled in the art to make and use my invention, I will proceed to describe it. In the drawings—

Figure 1 is an elevation of my improved burner, and

Figure 2 a central vertical section.

A represents the tube, well secured into the screw-cap B, and passing down to its bottom, being also well secured there. The screw-cap is hollow, and there is no hole through it passing into the lamp. I have, however, two lateral holes, *a a*, in the sides of screw-cap above lamp. This arrangement prevents any spilling or evaporation of the fluid. The holes in screw-cap keep it and lower part of tube cooler. C represents the wick suspended from the tube. The height of wick must be regulated by circumstances; say it may be within three-fourths of an inch of the jet-holes, and can extend to the bottom of the lamp. The wick should fill the tube well. D is a concave disk or rim, secured to the tube below the jet-holes *b b*. This is intended to hold a few drops of fluid, which, being lighted, heats the tube and generates some gas, which is ignited as soon as it escapes from the holes *b b*. This promotes safety and convenience.

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

The combination of tube A pan D, screw-cap B, and wick C, constructed and arranged substantially as shown and for the purpose set forth.

W. W. JACOBS.

Witnesses:

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