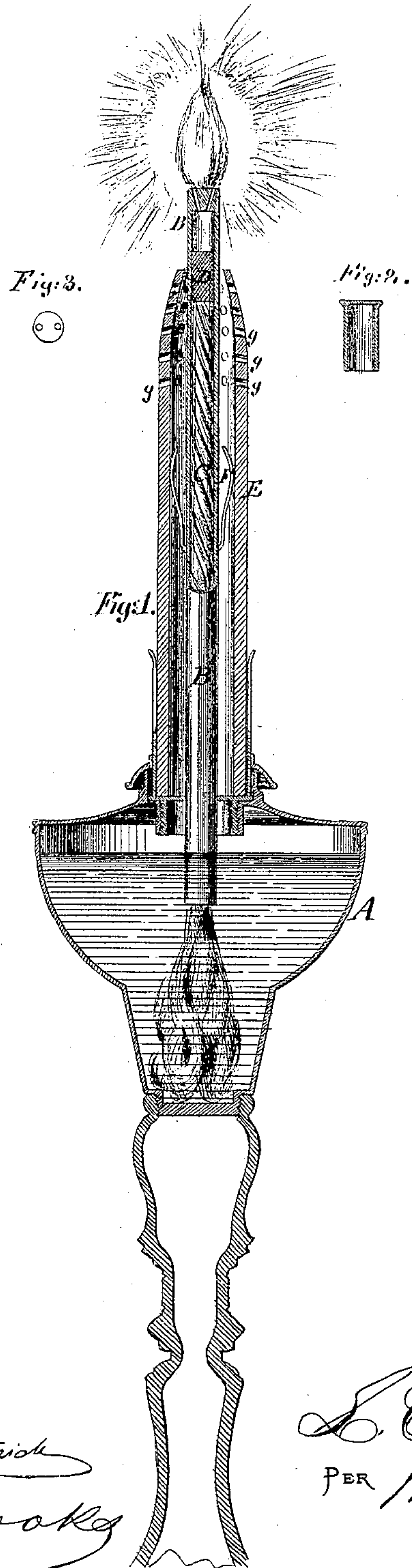


L. CHANDOR.  
VAPOR BURNER.

No. 98,228.

Patented Dec. 28, 1869.



Witnesses:  
*Hustave Dietrich*  
*Wm. K. Brooks*

Inventor:  
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PER *Wm. K. Brooks*  
Attorneys.

# United States Patent Office.

L. CHANDOR, OF ST. PETERSBURG, RUSSIA, ASSIGNOR TO CASSIUS M. CLAY.

Letters Patent No. 98,228, dated December 28, 1869.

## IMPROVEMENT IN VAPOR-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, L. CHANDOR, of St. Petersburg, in the Empire of Russia, have invented a new and useful Improvement in Vapor Candle; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in a certain vapor candle, for which I have received Letters Patent of the United States, numbered 93,674; and the present invention consists in the combination and arrangement of certain parts, as hereinafter specified.

By these improvements, I dispense with an inner metallic tube, and reduce the heat advantageously. The carbonization of the wick is prevented, and it is held firmly to its place, thus saving much time as well as wick, while the purity and steadiness of the light are insured.

In the accompanying drawing—

Figure 1 represents a vertical section of the vapor candle.

Figure 2 is the extinguisher, detached.

Figure 3 is a top view of the end of the continuous metallic tube.

Similar letters of reference indicate corresponding parts.

A is the liquid-reservoir.

B is the continuous tube.

C is the wick, which is woven, braided, or twisted, so that it is quite rigid or stiff.

D represents the metallic gauze cap on the end of the wick.

E represents the porcelain casing, which surrounds the upper portion of the tube B.

F represents springs, which are attached to the tube B, and bear against the inner side of the casing E, and hold it in a central position around the tube.

The upper end of the porcelain casing E is perforated with numerous small holes, *g*, which allow jets of air to strike the tube B and rise in a continuous current around the top of the tube, in a concentrated form, which serves to feed the flame with oxygen.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The tube B, provided with the springs F, the metallic gauze cap D, arranged within said tube, and the casing E, perforated at its upper end, all constructed as shown and described, and for the purpose specified.

2. The springs F and the perforated casing E, in combination with the tube B, arranged substantially as and for the purposes described.

The above specification of my invention signed by me, this 22d day of September, 1869.

L. CHANDOR. [L. S.]

Witnesses:

O. NEUDORFF. [L. S.]

V. ROSENTHAL. [L. S.]