

S. C. CATLIN.

Lamp-Burners.

No. 199,144.

Patented Jan. 15, 1878.

Fig. 2.

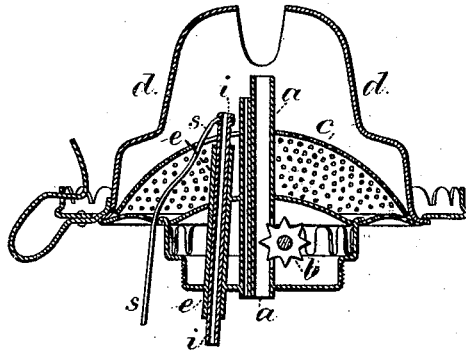
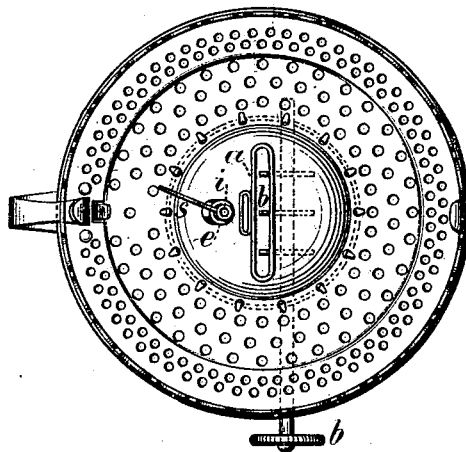


Fig. 1.



Witnesses

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*For Lemuel W. Ferrell
att'y*

UNITED STATES PATENT OFFICE.

SETH C. CATLIN, OF BROOKLYN, NEW YORK, ASSIGNOR TO PHILIP H. BUGG
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IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **199,144**, dated January 15, 1878; application filed
April 16, 1877.

To all whom it may concern:

Be it known that I, SETH C. CATLIN, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Lamps, of which the following is a specification:

Gas-burners have been made with a small jet, that continues to burn when the illuminating-flame is extinguished. Lamps have also been made with two or more wicks.

My present invention relates to a small independent wick-tube, that can be raised and lowered vertically from outside the lamp, and serves to maintain a light when the principal flame is extinguished, and to light the wick when turned up so as to come into contact with the taper.

In the drawing, Figure 1 is a plan of the wick-tube and taper, and Fig. 2 is a vertical section of the same.

The wick-tube *a*, wick-raiser *b*, air-distributor *c*, and cone or deflector *d* are of any desired or usual character. In the base of the burner there is a stationary tube, *e*, that is vertical, or nearly so, and within it is a small wick-tube, *i*, that is adapted to receive a cord or strand of fibrous material, so as to burn with a small flame. This wick-tube and taper can be raised

or lowered by the action of a small rod or slide, *s*, that is connected near the top of the wick-tube *i*, and passes outside of the burner, so that the wick-tube *i* can be raised or lowered.

When the main wick in the tube *a* is lighted, the wick in *i* will not always be lighted, because it is at the side of and below the tube *a*; but before turning down the wick in *a* to extinguish it, the tube *i* is raised to light the taper from the main wick, after which the main wick can be turned down and extinguished. The reverse movements cause the lamp to be lighted by the burning taper.

I claim as my invention—

1. The sliding tube *i* and wick, forming a taper, in combination with the main wick-tube *a* and other parts of the lamp-burner, substantially as specified.

2. The wick-tube and wick, forming a taper, introduced through the metal body of the lamp adjacent to the side of the wick-tube, substantially as set forth.

Signed by me this 11th day of April, A. D. 1877.

SETH C. CATLIN.

Witnesses:

C. H. JONES,
LEMUEL W. SERRELL.