

A. T. NORD.
Lamp-Burner.

No. 200,627.

Patented Feb. 26, 1878.

Fig. I.

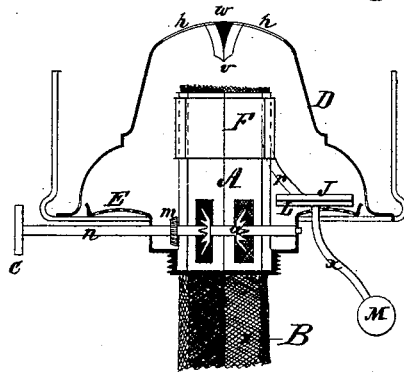


Fig. II.

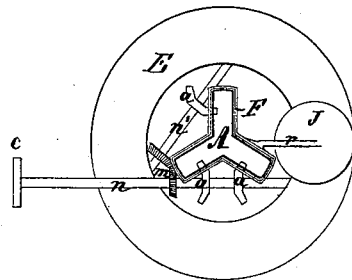
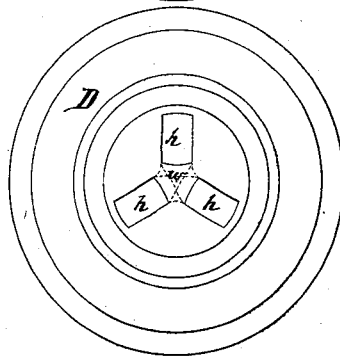


Fig. III.



Witnesses.
Wm. C. Cook
John F. Allen

Inventor.
A. T. Nord
per Henry C. Roeder
attorney.

UNITED STATES PATENT OFFICE.

ANDREW T. NORD, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **200,627**, dated February 26, 1878; application filed July 25, 1877.

To all whom it may concern:

Be it known that I, ANDREW T. NORD, of Brooklyn, New York, have invented a new and useful Improvement in Burners, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

Figure I represents a vertical elevation of a burner, partly in section. Fig. II is a top view with the cap removed, and Fig. III is a top view of the cap.

A is the wick-tube, made with three branches, to receive a similar three-branched wick, B. This wick is moved upward or downward through the teeth-wheels *a a a*, one wheel being applied to each of the three branches of the wick, and operating simultaneously on the same. The teeth in the periphery of these wheels are bent, forming a diagonal line with their spindle, but square to that branch of the wick against which the same operates, so as to act square against the surfaces of each branch of the wick. These wheels are operated by a knob, *c*, on the end of one of the spindles projecting outside of the burner, and the two spindles *n n'*, upon which the wheels *a a a* are placed, are connected together by suitable gearing *m*.

The cap D is attached to the plate E in the usual manner, and is provided with three openings, *h h h*, corresponding with the branches of the wick and wick-tube, with the central part *w* made solid, terminating near the wick-tube in sharp pointed edges *v*, so as to divide the flame into three distinct parts, whereby the intensity of the light is considerably increased.

Around the upper part of the wick-tube a cap or tube, F, is arranged, capable of sliding freely above or below the top end of said wick-tube. To this tube F an arm, *r*, is attached, having at its lower end a flat disk or

plate, J. Below this plate J a similar disk or plate, L, is placed, resting upon the plate E, to which a rod, *x*, is attached, having at its end a weight, M. This rod *x* passes through the burner-plate E, so as to have a perfectly free motion in either direction.

If by any accident the lamp should fall or be upset, the weight M will fall in the same direction, and cause a corresponding motion to its disk-plate L upon which the plate J rests, moving thereby in whatever direction the weight M may move, and consequently the disk L may be turned and the disk-plate J forced upward, so as to bring thereby the cap or tube F above the top-end of the wick-tube A, and thus extinguish the flame.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A burner provided with a wick-tube, A, having three branches, in combination with a similar three-branched wick, B, and cap D, provided with holes *h h h*, with central division-piece *w* pointed at its internal lower edges *v*, arranged in the manner and for the purpose set forth.

2. Wick-raising wheels *a*, having beveled or bent teeth, diagonal to their spindle and square to the surface of the wick, and operating in combination with the three-branched wick B, substantially in the manner and for the purpose set forth.

3. In combination, with the wick-tube A, the cap or tube F, provided with an arm, *r*, and disk-plate J, in combination with the disk-plate L, provided with a rod, *x*, having a weight, M, at its end, the whole being arranged to operate in the manner and for the purpose substantially as described.

ANDREW T. NORD.

Witnesses:

HENRY E. ROEDER,
WILLIAM EHRET.