G. H. CHINNOCK.

Lamp Burner.

No. 96,200. Patented Oct. 26, 1869.

Fig. 1

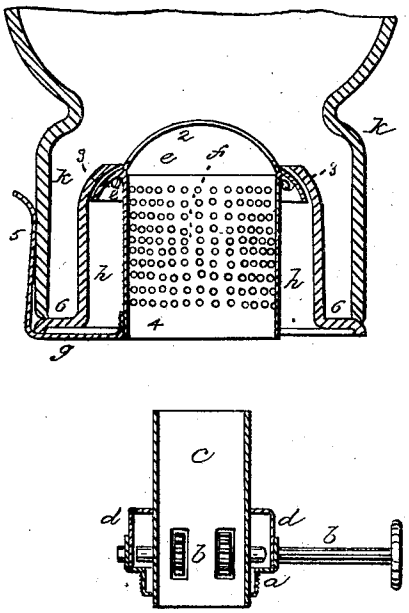
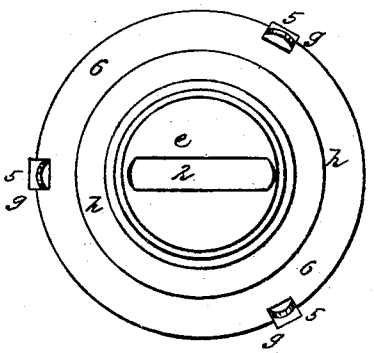


Fig. 2



Witnesses

Chas. H. Smith,

Geo. T. Tuckey.

Inventor

Geo. H. Chinnock

United States Patent Office.

GEORGE H. CHINNOCK, OF NEW YORK, N. Y., ASSIGNOR TO NEW LAMP-CHIMNEY COMPANY, OF SAME PLACE.

Letters Patent No. 96,200, *dated October* 26, 1869.

IMPROVEMENT IN 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, GEORGE H. CHINNOCK, of the city and State of New York, have invented, made, and applied to use, a certain new and useful Improvement in Lamps; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a vertical section of the improved lamp-burner, elevated from the wick-tube.

Figure 2 is a plan of the same, with the glass chimney removed.

Similar letters denote the same parts.

Lamps have heretofore been made with a draught-plate, sustained in the chimney, and with a foraminous air-distributer, extending below said draught-plate; and in Letters Patent No. 77,254, granted April 28, 1868, a transparent cone with a flange, upon which the glass chimney rests, is shown.

My present invention consists in the combination of a movable cone, surrounding the draught-plate, with a perforated air-distributer extending from said draught-plate to a movable ring, or holder, that supports both the cone and the chimney, and which rests upon the ratchet-cap that surrounds the wick-tube.

By this construction and arrangement of parts, the light is rendered very steady and bright, because the air-distributer is protected by the surrounding cone, and the chimney is heated but little, because the draught-plate is separate from the cone, hence the heat is not rapidly conducted to the chimney-holder.

In the drawing—

a is the screw, or base of the burner, to connect with the ring or neck of any reservoir or fountain of oil;

b is the wick-raiser;

c, the wick-tube; and

d, the ratchet-cap, as usual.

e is the draught-plate, formed with the usual flame-slot 2, and holes at 3, to allow of an outside draught to the flame.

f is a foraminous casing, connected to the draught-plate, and forming an air-distributre, the base of which forms or receives a ring, 4, that sets around the ratchet-cap *d*, and sustains the removable parts of the burner.

From this ring 4 arms *g g* extend, forming a rest for the cone *h*, and the springs 5, at the ends of the arms *g*, form holders for the chimney *k*.

The cone *h* is of a size and shape to set around the edges of the draught-plate, and in contact therewith, or nearly so, and at the lower end is a flange, 6, for the chimney *k* to rest upon.

I prefer to make this cone *h* of glass, but do not limit myself in this particular.

The glass chimney remains cool at its lower end, because the cone *h* is not highly heated, the contact thereof with the draught-plate *e* being broken.

The air-distributer *f* being enclosed by the cone *h*; the flame is rendered steady.

It will be seen that either the chimney can be lifted, or the ring 4, air-distributer *f*, and parts connected with them, can be raised for lighting or trimming the lamp.

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

The movable cone *h*, surrounding the draught-plate *e*, in combination with said draught-plate *e*, and a perforated air-distributer and chimney-holder, removable from the ratchet-cap *d*, as and for the purposes set forth.

In witness whereof, I have hereunto set my signature, this 26th day of October, A. D. 1868.

GEO. H. CHINNOCK.

Witnesses:

CHAS. H. SMITH,

GEO. T. PINCKNEY.