

J. CURZON.
LAMP-BURNER.

No. 178,602.

Patented June 13, 1876.

Fig. 1

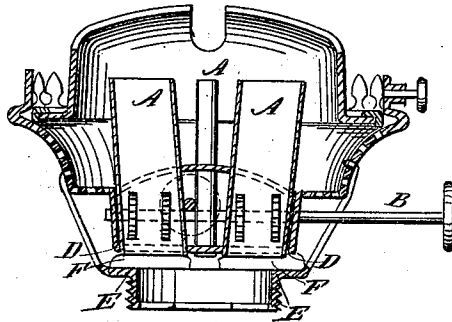
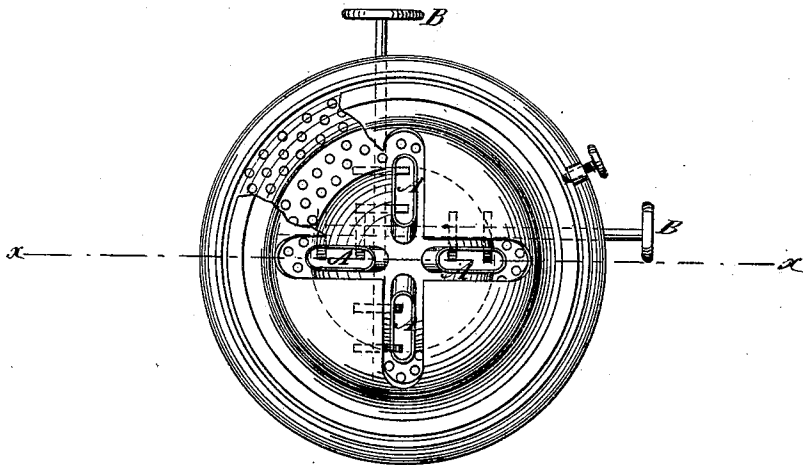


Fig. 2



WITNESSES:

C. Neveu
John Goethals

INVENTOR:

J. Curzon
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES CURZON, OF DARIEN, CONNECTICUT.

IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **178,602**, dated June 13, 1876; application filed April 4, 1876.

To all whom it may concern:

Be it known that I, JAMES CURZON, of Darien, in the county of Fairfield, and State of Connecticut, have invented a new and Improved Lamp-Burner, of which the following is a specification:

This invention relates to lamps having four wicks in a circle; and it consists of the wick-tubes arranged radially to the center of the circle from top to bottom with two ratchets at right angles to and crossing each other for working them, instead of the parallel arrangement of the tubes at the lower end and parallel ratchets heretofore employed, whereby the construction is simplified, and the wicks work better and evener; and the invention also consists of a secondary bottom to the burner for screwing into the lamp-top, in order that that bottom from which tubes rise may be made broader than the hole in the lamp for receiving the bottom will allow, and between these two bottoms I propose to apply a packing of cork or other non-conducting material to protect the lamp from the heat.

Figure 1 is a sectional elevation of my improved lamp-top taken on the line *xx* of Fig. 2. Fig. 2 is a top view with a part broken out.

A represents the wick-tubes, with ratchets B at

right angles to and crossing each other, whereby the wicks work better, and the construction is simpler and cheaper. And these tubes connect with a bottom, D, above the ordinary bottom E, which screws into the lamp, the said bottom D being wider than the opening in lamp will allow to enable wider wicks to be used. Between these two bottoms is a cork packing, F, to protect the lamp from the heat of the burner.

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

1. The wick-tubes made straight and radial to a common center and operated by ratchet-bars crossing each other to act upon the wicks in pairs, as shown and described, to avoid twist in wick and tube, which causes the former to smoke.

2. The combination, with a series of wick-tubes arranged in crossing planes, of a secondary bottom, D, of the lamp-top, larger than the bottom E, which screws into the lamp, substantially as specified.

JAMES CURZON.

Witnesses:

IRA SCOFIELD,
ANNIE E. CURZON.