C. D. CHENEY.

Laboratory Gas-Burner.

No. 161,666. Patented April 6, 1875.

Fig. 1.

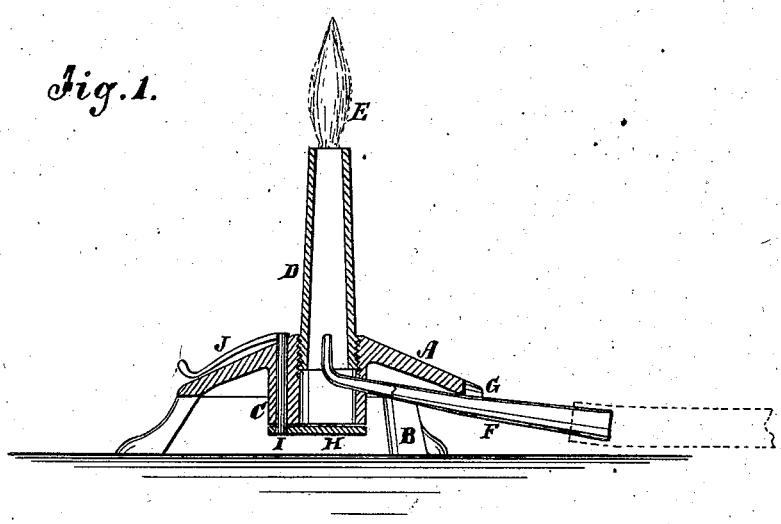


Fig. 2.

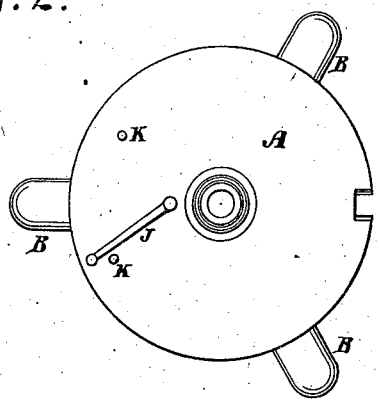
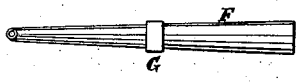


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES D. CHENEY, OF CANANDAIGUA, NEW YORK.

IMPROVEMENT IN LABORATORY GAS-BURNERS.

Specification forming part of Letters Patent No. **161,666**, dated April 6, 1875; application filed March 6, 1875.

To all whom it may concern:

Be it known that I, CHARLES D. CHENEY, of Canandaigua, in the county of Ontario and State of New York, have invented a new and useful Improvement in Laboratory Gas-Burners, of which the following is a specification:

My invention is an improvement in gas-burners or heating-lamps for use in dental laboratories. The features of novelty are involved in the construction of the base or stand, and the gas-discharge pipe attached thereto, as hereinafter described.

Figure 1 is a vertical section of the burner, showing the construction. Fig. 2 is a top view, showing the base and valve-lever thereon. Fig. 3 is a detached view of the small tapering tube by which the gas is delivered into the large burner-tube.

Similar letters of reference indicate corresponding parts.

A is the base or stand of the burner, which is raised from the table or bench by short legs either cast on or attached to the base. This base is of concavo-convex form, having a hollow center, C, extending down below its concave or lower side, as seen in Fig. 1. D is the burner-tube, screwed into the center of the base, and communicating with the hollow center C. E represents the flame. F is a small tapering tube, which receives the gas from the gas-pipe, (seen in dotted lines,) and delivers it in a small jet into the center of the burner-tube D. The tube F enters through an aperture in the hanging center C, beneath the burner-tube. The end of tapering tube F is turned upward, so that it is parallel with the burner-tube. It is provided with a dovetailed lug, G, which fits a corresponding notch formed in the edge of the top or flanged portion of the stand A. The tube is thus held in position, but may be readily detached when required, the form of the notch being such as not to prevent sliding the tube endwise sufficiently to release the lug G. H is a valve, which is made to close over the end of the center C by means of the rod I, to which the valve is attached, which rod extends up through the base, with the lever J on its upper end. This lever is moved back and forth between the stops K K, and the extent or size of the flame is regulated thereby.

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

1. In combination with the stand A, formed of a rim or flange and a central hollow pendent portion, C, the valve H, pivoted at one side and operated by handle J, and the burner-tube D, secured by a detachable connection, as shown and described.

2. In combination with the stand A, having a central pendent portion, C, and a notched rim, as shown, the tube F, having a lug, G, as and for the purpose specified.

CHARLES D. CHENEY.

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