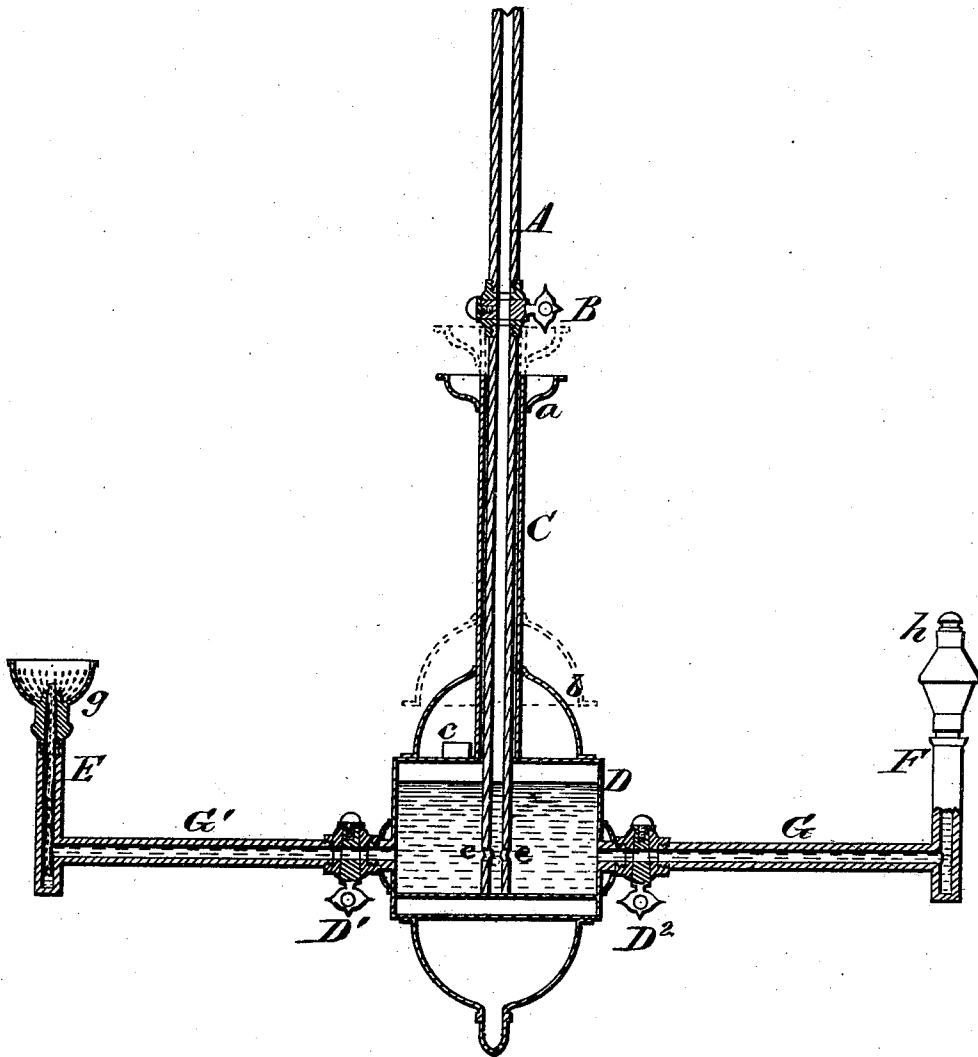


A. LANG.
CHANDELIER.

No. 178,783.

Patented June 13, 1876.



WITNESSES

Robert Everett
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UNITED STATES PATENT OFFICE.

ANTON LANG, OF NEW YORK, N. Y.

IMPROVEMENT IN CHANDELIERS.

Specification forming part of Letters Patent No. **178,783**, dated June 13, 1876; application filed June 1, 1876.

To all whom it may concern:

Be it known that I, ANTON LANG, of New York, in the county of New York and State of New York, have invented a new and valuable Improvement in Chandeliers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a central vertical section of my chandelier.

This invention has relation to a chandelier for illuminating purposes; and the nature of my invention consists in a chandelier, herein-after explained, which is so constructed that it is adapted for burning common illuminating-gas, for enriching such gas on its way to the burner, and also for burning kerosene alone.

In the annexed drawings, A designates a gas-pipe, which is provided with a regulating-cock, B, and which extends down into a reservoir, D, and is perforated at *e e* for the escape of gas into said reservoir. At *e* is a filling-orifice, which is closed tightly by a cap, and through which kerosene is poured into the reservoir D, when it is desired to use this fluid either for enriching the gas or for illuminating without gas. G G' are branch pipes leading from the reservoir D, and provided with regulating-cocks D¹ D². The pipe G has a vertical portion, F, fixed to its outer end, which terminates in a gas-burner, *h*. The pipe G' has a vertical wick-holder, E, fixed to its outer end, which terminates in a finely-perforated

bowl, *g*, which allows ascending currents of air to impinge on the flame in such manner that a chimney is unnecessary. C designates a sleeve inclosing the lower portion of the gas-tube A, and having ornaments *a b* formed on its ends. This sleeve C is vertically movable, and when it is raised the top of the reservoir D is exposed, and kerosene can be fed into this reservoir through the filling-orifice. When sleeve C is lowered its enlargement *b* covers the filling-orifice *e*.

It will be seen from the above description that, when cock D¹ is shut, gas alone may be used for illumination by opening cock D²; or, if desired, the reservoir D may be filled with kerosene and the gas enriched thereby on its way to the burner *h*. If the cock D¹ is opened kerosene alone may be used for illumination.

It is obvious that the reservoir D may be provided with many branches, each one bearing a gas-burner or a kerosene-burner, or these two kinds of burners may alternate and be used separately or together.

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

In a chandelier, the gas and kerosene burners *g h*, combined with a reservoir, D, and a gas-pipe, A, which is perforated at *e*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ANTON LANG.

Witnesses:

JOHN F. ACKER,
JAS. B. LOOMIS.