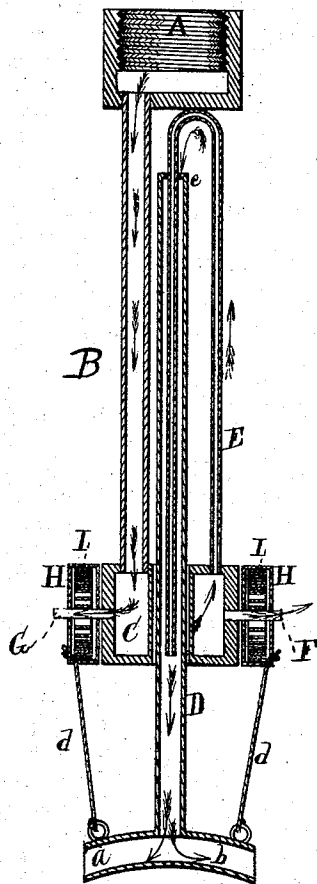


J. V. MATHIVET.
Drop-Light Chandeliers.

No. 156,432.

Patented Nov. 3, 1874.



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UNITED STATES PATENT OFFICE.

JEAN V. MATHIVET, OF CLEVELAND, OHIO.

IMPROVEMENT IN DROP-LIGHT CHANDELIERS.

Specification forming part of Letters Patent No. **156,432**, dated November 3, 1874; application filed June 15, 1874.

To all whom it may concern:

Be it known that I, JEAN V. MATHIVET, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Drop-Light Chandeliers, of which the following is a description, reference being had to the accompanying drawing, making a part of this specification, in which like letters refer to corresponding parts in the view presented.

This invention relates to drop-lights which are intended to be supplied with gas; and it consists in certain novel combinations and arrangements of the parts of which it is composed, as will be more fully explained hereinafter.

In devices of this character, as heretofore constructed, the gas for supplying the movable burner has been taken directly from the supply-pipe, and hence, when the burners of the drop-light are in use, they do not have the benefit of a body of gas near them, which fact makes a very decided difference, for the reason that, when the burners are so far removed from the supply-chamber, it is impossible to obtain as steady and unwavering a light as is produced when they are nearer to a chamber in which a constant and unvarying pressure is maintained.

The drawing in this case represents a drop-light chandelier with my improvements attached thereto, A referring to the thimble or coupling which attaches it to any ordinary supply-pipe. From this coupling a pipe, B, extends downward to and is connected with a gas chamber or reservoir, C, into the walls of which any desired number of pipes, F G, are secured to which to attach the stationary burners. Passing centrally through this chamber C is a pipe, D, the lower end of which is provided with a branch pipe, *a b*, to which to attach the movable burners. This pipe D moves up and down through an aperture formed in the chamber, but does not communicate directly therewith, such communication being made by the smaller pipe E, which enters the chamber outside of the pipe D, and passes up far enough to admit of its being curved, as shown in the drawing, in order that its descending leg may enter the upper end of D,

where a head suitably packed to prevent leakage is provided to slide upon the smaller pipe, so that, as the drop-lights are moved up or down, the supply of gas shall be kept up from the reservoir C.

It will be observed that, in the last-named respects, my device differs from those that have gone before it, in that the supply of gas for the drop-lights is taken direct from the reservoir, and through pipes which are distinct from and independent of that which supplies the gas to the stationary burners.

In order that provision may be made for holding the movable burners in any desired position within the range of their movements, studs or pipes F G are attached to the wall of the chamber C, upon which are placed cases or drums H H, which inclose springs I, they being arranged in such a manner that the cords pass around the peripheries of the drums while the springs are within them.

I am aware that it is not new to combine in a drop-light a sliding tube for conducting gas to movable burners, a series of drums and springs for holding the burners in position, and cords for connecting the pipe which conducts the gas to the burners, and hence I do not claim, broadly, such a combination; neither do I claim the devices or parts which make up such a combination separately; but

Having described my improvements, what I claim as such, and desire to secure by Letters Patent, is—

1. The combination, in a drop-light chandelier, of the small tube E, communicating directly with the supply-chamber C, and the independent tube or pipe D, to which the movable burners are attached, and a gas-supply chamber, the operation of the parts being substantially such as is described.

2. The combination, in a drop-light chandelier, of the thimble or connection A, the pipes B, D, and E, and the supply-chamber C, the parts being arranged with reference to each other substantially as and for the purpose set forth.

J. V. MATHIVET.

Witnesses:

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