

F. C. HAMILTON.
Drop-Light Gasaliers.

No. 158,068.

Patented Dec. 22, 1874.

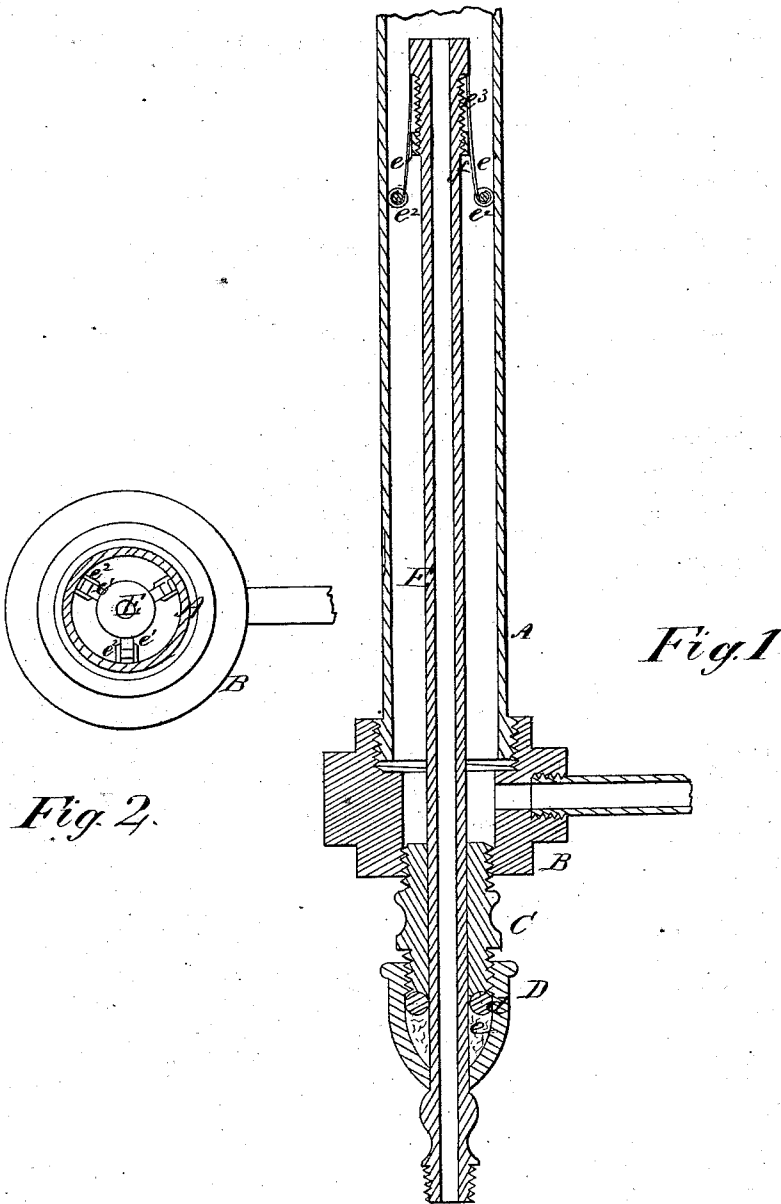


Fig. 2.

Fig. 1.

Witnesses
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UNITED STATES PATENT OFFICE.

FRANCIS C. HAMILTON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN DROP-LIGHT GASALIERS.

Specification forming part of Letters Patent No. 158,068, dated December 22, 1874; application filed November 14, 1874.

To all whom it may concern:

Be it known that I, FRANCIS C. HAMILTON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Slide or Drop-Light Gasaliers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a vertical central section, and Fig. 2 a horizontal section, of my invention.

This invention has relation to extension-gasaliers; and consists in the novel construction and arrangement of devices for binding the adjustable tube at any position, said devices comprising metallic springs attached to the upper end of said tube, and holding anti-friction rollers, which, through the pressure of said springs, are caused to impinge against the inner surface of the casing or main pipe of the gasalier.

Referring to the drawings, A designates the main tube or casing of the gasalier or chandelier to which my invention is applied. B is a ring, carrying branches, which are supplied through tube A. C is a short threaded section, screwed into the bottom of ring B, and carrying a stuffing-box, D, containing a rubber collar, d, and suitable packing e. E

designates the central and adjustable tube, to the upper end of which are secured the depending and diverging springs e^1 , holding each a flanged anti-friction roller, e^2 , held in contact with the inner surface of the casing. The tube E is threaded at e^3 , and holds an adjustable ring, f, by means of which the tension of the springs may be obviously regulated, and the rollers made to bind more or less, as circumstances require.

I do not claim, broadly, the employment of the springs within the casing-pipe, and attached to the center pipe of an extension-chandelier, as the same have already been used; but I limit the scope of my claim to the employment, in combination with the springs, of the anti-friction rollers attached to their outer ends.

I claim—

The combination, with the stationary casing-pipe A and internal sliding tube E, of the springs e^1 , attached to the upper end of the latter, and carrying the rollers e^2 , impinging upon the inner surface of the casing.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of November, 1874.

FRANCIS C. HAMILTON.

Witnesses:

STEPHEN HAMILTON,
JNO. A. BELL.