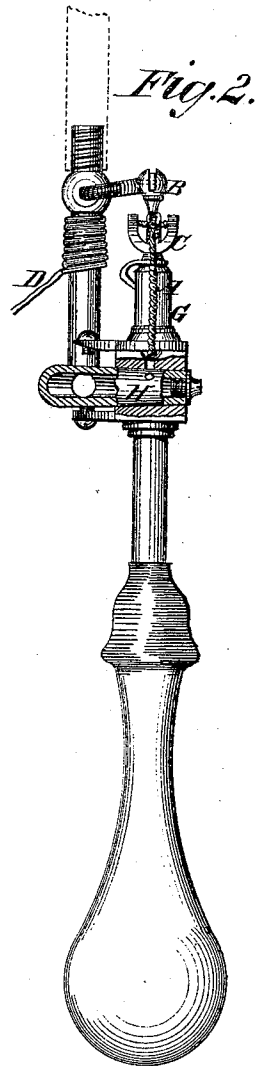
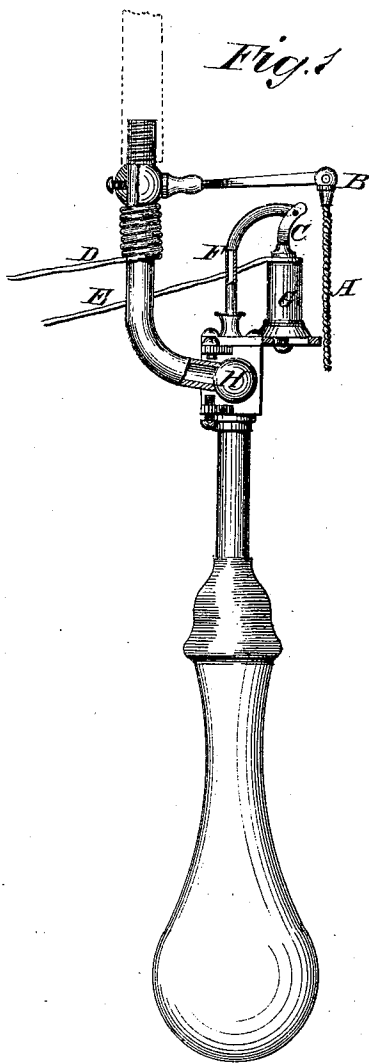


O. A. A. ROUILLION.
ELECTRIC GAS-LIGHTER.

No. 170,303.

Patented Nov. 23, 1875.



WITNESSES:

Francis M. A. Little,
Alex. F. Roberts

INVENTOR:

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BY *M. M. M. M.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

OCTAVE A. A. ROUILLION, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN ELECTRIC GAS-LIGHTERS.

Specification forming part of Letters Patent No. **170,303**, dated November 23, 1875; application filed October 23, 1875.

To all whom it may concern:

Be it known that I, OCTAVE A. A. ROUILLION, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Electric Gas-Lighter, of which the following is a specification:

My invention consists of a couple of platinum wires for closing the circuit and producing the sparks for lighting the gas, the said wires being corrugated or notched in any manner, and at the same time being so contrived that the act of bringing them in contact causes such movement of one on the other that the current is broken and closed several times by the passage of the roughened surface of the one on the other, by which numerous sparks are produced, making an efficient lighter.

Figure 1 is a side elevation of the improved lighter with a part shown in section. Fig. 2 is a front elevation also with a part sectioned.

Similar letters of reference indicate corresponding parts.

A is a platinum wire suspended at B in front of the horizontal wire C, said wires being in connection with the battery-wires D E, respectively, and being in this case ridged or corru-

gated by spiral twists, but may be grooved or notched in any way to make similar ridges and grooves. Wire C is mounted in the fork of the insulated standard G, and in front of the cigar-lighting burner F, so that when said burner is swung forward to obtain the light contact takes place, and the jet of gas is lighted by the sparks. The joint at H is in connection with this lighting apparatus, made so as to entirely cut off the gas when the lighter hangs in its natural position, so that a considerable saving is effected. I also propose to use chains instead of the notched or corrugated wires, the effect being the same.

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

The combination, in an electrical circuit, of corrugated or otherwise notched or ridged platinum wires A C, or their equivalents, said wires being arranged for one to be moved along the other crosswise when making contact, substantially as specified.

OCTAVE A. A. ROUILLION.

Witnesses:

T. B. MOSHER,

ALEX. F. ROBERTS.