

M. ROSENWAX.

Gas Burner.

No, 112,637.

Patented March 14, 1871.

fig. 1.

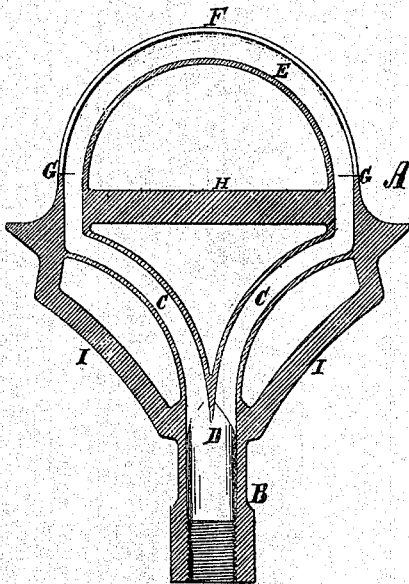
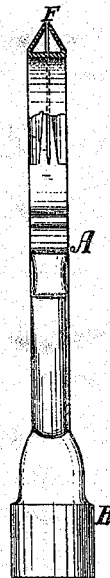


fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

MARK ROSENWAX, OF NEW YORK, N. Y.

IMPROVEMENT IN GAS-BURNERS.

Specification forming part of Letters Patent No. **112,637**, dated March 14, 1871.

To all whom it may concern:

Be it known that I, MARK ROSENWAX, of New York city, in the county and State of New York, have invented a new and useful Improvement in Gas-Burners; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to a new and useful improvement in burners for illuminating-gas, whereby the combustion of the gas is more complete and its illuminating power increased; and it consists in dividing the current of gas after it enters the stem of the burner, and conducting it in two currents into ends of a tubular arch, the crown or upper side of which arch is slit for the discharge of the gas, and becomes the point of ignition, as will be hereinafter more fully described.

In the accompanying drawing, Figure 1 represents a central vertical section of my improved gas-burner. Fig. 2 is an edge view.

Similar letters of reference indicate corresponding parts.

A is the burner with a stem, B, which screws onto the gas-pipe in the ordinary manner. C C are tubes branching from B, at the point D

in opposite directions, and connecting with the ends of the tubular arch E. F represents a narrow slit in the crown or upper side of this arch, through which the gas escapes, and which circular line between the points G G forms the base of the flame when the gas is ignited.

The gas being discharged through the extremely fine slit or crack F is in so thin a sheet or current that none can escape unburned, while the flame is so much expanded in consequence that the illuminating power of a given quantity of gas is greatly increased, the result being a very material saving to the consumer.

The burner may be strengthened by the cross-bar H and side braces I I, or ornamented in any manner to suit the taste.

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

The gas-burner A, constructed to operate substantially as shown and described.

The above specification of my invention signed by me this 10th day January, 1870.

MARK ROSENWAX.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.