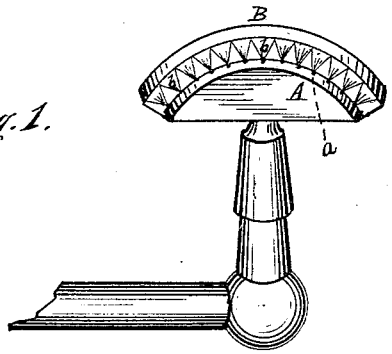
P. F. JONTÉ.
Gas-Burner.

No. 166,531. Patented Aug. 10, 1875.

Fig. 1.



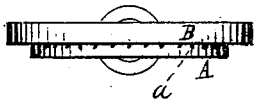


Fig. 2.

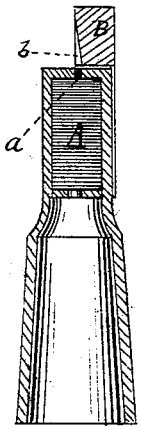


Fig. 3.

Witnesses:
A. V. Stewart
L. Prehn

Attest

Inventor
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per
T. Van Kannel
atty.

UNITED STATES PATENT OFFICE.

PIERRE F. JONTÉ, OF CINCINNATI, OHIO.

IMPROVEMENT IN GAS-BURNERS.

Specification forming part of Letters Patent No. **166,531**, dated August 10, 1875; application filed May 6, 1875.

To all whom it may concern:

Be it known that I, P. F. JONTÉ, of Cincinnati, county of Hamilton and State of Ohio, 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 of the same, reference being had to the annexed drawing making a part of this specification.

Figure 1 is a perspective, and Fig. 2 is a top, view; and Fig. 3 is a vertical section of the same enlarged.

Similar letters of reference indicate like parts.

The nature of my invention relates to a new and improved gas-burner, wherein the gas escapes from a series of small perforations in a straight line, the jets of gas so escaping being spread by coming in contact with an equal number of corrugations, forming a flange, situated near the said perforations.

My invention has for its object the spreading of the flame to the utmost extent, and to obtain more perfect combustion by the heat of the flange, wherein is the economy of my improvement in gas-burners.

In construction my invention is as follows: A is the body of the burner, and B the flange. This flange is provided with a number of corrugations, *b*, equal to the number of perforations *a* in the burner, having their concave parts to come directly above the perforations. The corrugations, where they come in contact with the face of the burner, are made almost half round, and as they move upward become flatter, until they form a flat line at the top, so that the jet, as it escapes from the orifice, is round, but by its adhesion to the corrugated flange is gradually spread to a flat flame. This action produces the result of several jets joining each other at the topmost part of the flange, where they assume a uniform flat flame.

I do not claim, broadly, the use of a flange over the orifice of the burner, as such a device, I am aware, has been in use; but I limit myself to the specific form of the flange when used in connection with a burner having a number of perforations for the escape of the gas.

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

The burner A, having perforations *a*, in combination with the flange B, provided with the corrugations *b*, substantially as and for the purpose hereinbefore described and set forth.

PIERRE F. JONTÉ.

Attest:

T. VAN KANNEL,
A. V. STEWART.