

J. B. FULLER.
Argand Gas Burner.

No. 166,926.

Patented Aug. 24, 1875.

FIG. 1.

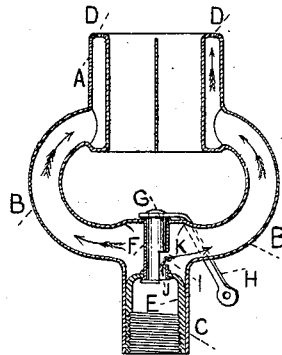


FIG. 2.

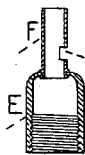


FIG. 3.

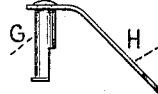


FIG. 4.



WITNESSES
Philip S. Pentz.
Martin Bauer.

INVENTOR
Jim. Billings Fuller

UNITED STATES PATENT OFFICE.

JIM BILLINGS FULLER, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN N. CRANDALL, OF NORWICH, CONNECTICUT.

IMPROVEMENT IN ARGAND GAS-BURNERS.

Specification forming part of Letters Patent No. **166,926**, dated August 24, 1875; application filed August 4, 1875.

To all whom it may concern:

Be it known that I, JIM BILLINGS FULLER, of Brooklyn, New York, have invented a new and useful Improvement in Means of Regulating the Flow of Gas in Argand Gas-Burners, of which the following is a specification, reference being had to the accompanying drawing, wherein similar letters of reference indicate corresponding parts in each figure.

Before describing my invention I will state that I am aware that burners are in use in which a valve is raised and depressed for the purpose of regulating the flow of gas by means of a lever and screw, the end of the screw being the valve.

My invention consists in the combination of a lever, a pin, (cut out as shown,) a perforated or slotted tube, and a bushing or female screw, the whole being constructed and arranged as hereinafter fully shown and described.

In the drawing, A represents the upper portion of an argand gas-burner. B B are the hollow arms. C is the pillar; D D, the apertures for the escape of gas. E is a female screw or bushing, soldered or otherwise secured in the lower end of the pillar. F is a vertical tube, the lower end being secured in the top of the bushing E, as shown, and the upper end being secured to the top of the pillar. G is a pin fitted to the inside of the tube

F. There is a head on the lower end, to prevent its rising, and a lever secured to the upper end, which prevents its depressing or lowering. The lower end of the pin is cut away, as shown, so as to allow the gas to flow up into the tube by the inlet J, and out through the slot I, hereinafter described, into the chamber K, and thence, through the arms B, to the apertures D. I is a slot or opening in one side of the tube F, near its lower end. By turning the lever H to the right or left the pin opens or closes the slot I, thus regulating the flow of gas.

I do not claim, broadly, a valve, an inlet, or a lever for regulating the flow of gas.

I claim—

1. The combination of the slotted or perforated tube F, the pin G, made and cut out as described, so as to form the inlet J, and the bushing E, all constructed and arranged within the pillar of an argand gas-burner, substantially as and for the purposes described.

2. The combination of the lever H, the pin G, the tube F, and the bushing E, substantially as set forth.

JIM BILLINGS FULLER.

Witnesses:

J. N. CRANDALL,
PHILIP S. PENTZ.