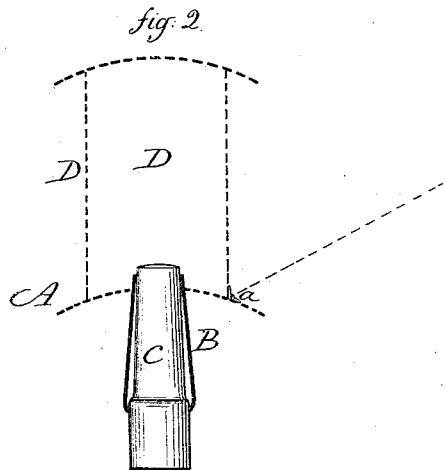
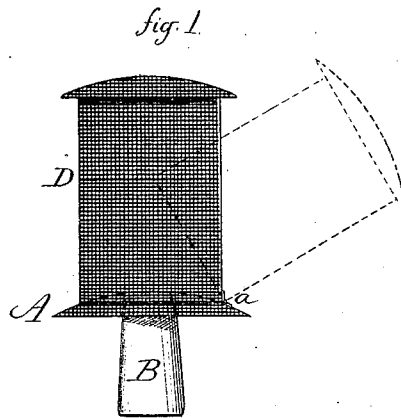


J. W. NARAMORE.
Protector for Gas-Jets.

No. 167,351.

Patented Aug. 31, 1875.



Witnesses.

Wm. H. Murray
Clara Broughton.

Jos. W. Naramore
By atty. Inventor
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UNITED STATES PATENT OFFICE

JOSEPH W. NARAMORE, OF ANSONIA, CONNECTICUT.

IMPROVEMENT IN PROTECTORS FOR GAS-JETS.

Specification forming part of Letters Patent No. **167,351**, dated August 31, 1875; application filed August 16, 1875.

To all whom it may concern:

Be it known that I, JOSEPH W. NARAMORE, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new Protector for Gas-Jet; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; Fig. 2, a vertical section as attached to a burner.

This invention relates to a device for protecting a small or night gas-jet, to prevent its being accidentally extinguished by insects or otherwise; and it consists in a base constructed with a socket to fit the gas-tip, combined with a guard hinged to the said base, as more fully hereinafter described.

A is the base, preferably made from perforated metal, and is constructed with, or attached to, a socket, B, formed to fit over the gas-tip C, as seen in Fig. 2. D is the guard, also preferably made from perforated metal,

in cylindrical form, closed at the top only. This is hinged, as at *a*, to the base above the socket, and so as to be turned away from the base when occasion requires. The socket is placed on the tip, the tip passing up above the base to within the guard, as shown in Fig. 2. This article may be made quite small, and yet allow the required small jet to burn freely. The light from such jet will freely pass through the guard, and if at any time a full flame is desirable the guard may be turned away, as denoted in broken lines, Fig. 2. This protector prevents the possible accidental extinguishing of the jet by insects, draft of air, or otherwise.

I claim—

The herein-described gas-jet protector, as an article of manufacture, consisting of the base A, provided with the socket B, and combined with the closed guard D hinged to the said base, substantially as specified.

JOSEPH W. NARAMORE.

Witnesses:

W. H. K. GODFREY,
FREDK. L. GAYLORD.