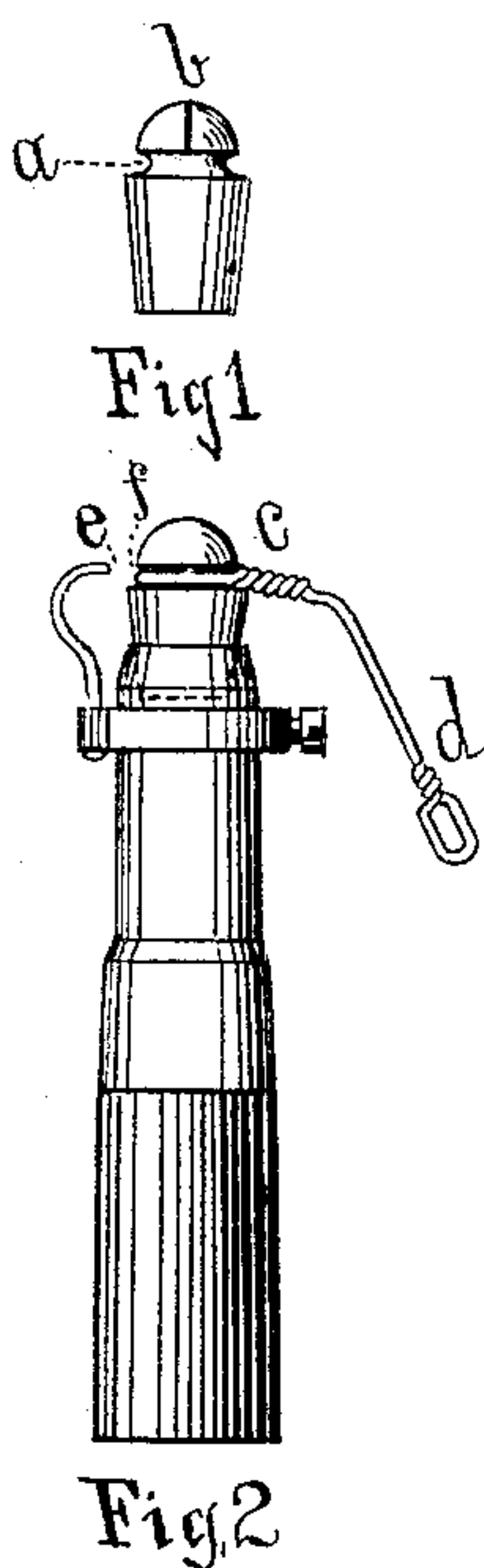


A. W. WRIGHT.
Electric Attachments for Gas-Burners.

No. 199,676.

Patented Jan. 29, 1878.



Witnesses
A. T. Smith
E. E. Bogart

Inventor
Arthur Wright by
A. Livingston Bogart his atty.

UNITED STATES PATENT OFFICE.

ARTHUR W. WRIGHT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO
ABRAHAM L. BOGART, OF NEW YORK, N. Y.

IMPROVEMENT IN ELECTRIC ATTACHMENTS FOR GAS-BURNERS.

Specification forming part of Letters Patent No. **199,676**, dated January 29, 1878; application filed
May 22, 1877.

To all whom it may concern:

Be it known that I, ARTHUR W. WRIGHT, of New Haven, State of Connecticut, have invented an Improvement in Electric Attachments for Gas-Burners, of which the following is a specification:

This invention consists in forming one of the electrodes of a ring of platinum or other metallic wire, which is secured to and insulated from the other electrode and the ground by a non-conducting gas-tip—as, for example, those in common use constructed of what is known as “lava” or “steatite.”

This construction is very simple and inexpensive, and greatly facilitates the adjustment of the second electrode.

For this purpose I prefer what is known as a “bat’s-wing” lava tip, provided with a groove, *a*, Figure 1, down to the top of which groove the slot *b*, for the emission of gas, is cut. Around the groove *a* a metallic wire, preferably platinum, *c*, Fig. 2, is secured, whose termination, *d*, is provided with a loop, to which one of the conducting-wires may be connected.

The point *e* of the other electrode is brought up directly opposite to one termination of the slot *b*, Fig. 1, and on a line with the base of the flame when the gas is burning, so that when a spark is discharged between *e* and *f*, Fig. 2, it will pass at the juncture which the gas makes with the atmosphere.

What I claim as my invention is—

1. In combination with a non-conducting bat’s-wing gas-tip, a metallic electrode, *c*, consisting of a metallic wire passed around and secured within the groove *a* of the said gas-tip, substantially as shown and described.

2. The combination of a non-conducting bat’s-wing gas-tip, a metallic-wire electrode, *c*, secured within the groove *a* of the said gas-tip, and the point *e* of the second electrode, located opposite to one termination of the slot *b* of said gas-tip, as herein shown and described, for the purpose set forth.

ARTHUR W. WRIGHT.

Witnesses:

E. E. BOGART,
H. T. SMITH.