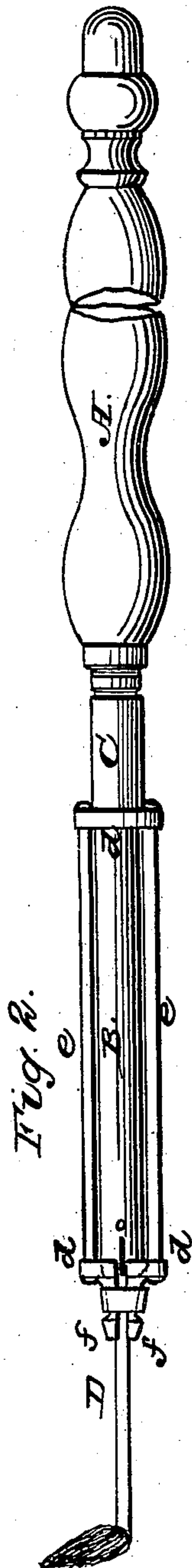
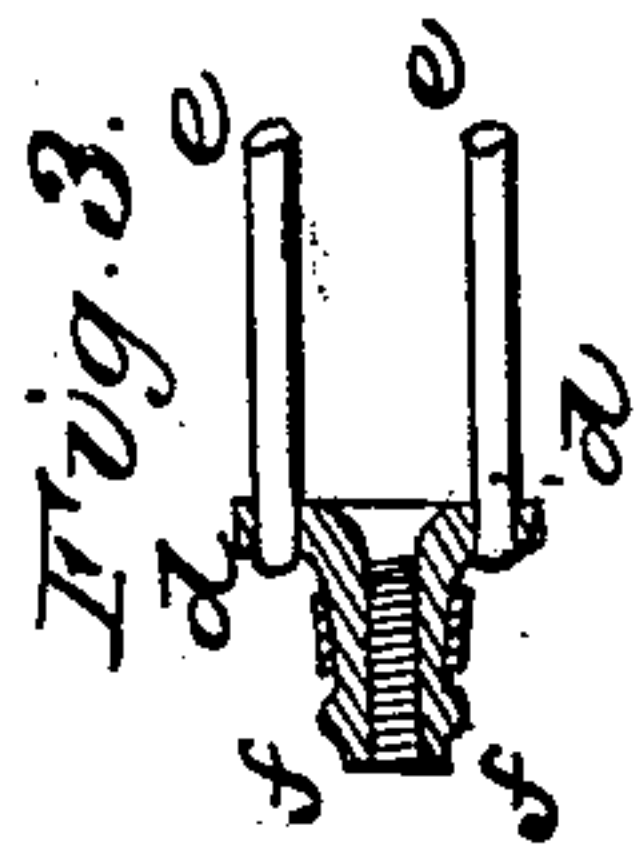
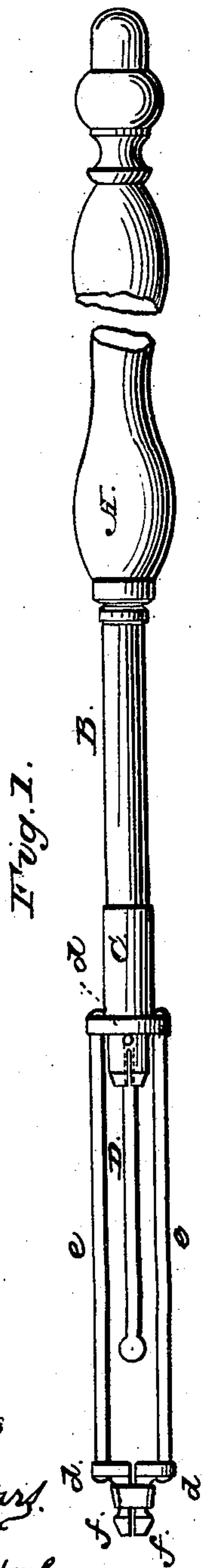


SHIPLEY & MERSEREAU.

Gas Lighter.

No. 77,771.

Patented May 12, 1868.



Witnesses
B. M. Shepard
Geo. A. Gordon

Inventors
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United States Patent Office.

AMOS SHIPLEY AND WILLIAM T. MERSEREAU, OF NEWARK, NEW JERSEY.

Letters Patent No. 77,771, dated May 12, 1868.

IMPROVEMENT IN INSTRUMENT FOR LIGHTING GAS, &c.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, AMOS SHIPLEY and WILLIAM T. MERSEREAU, of Newark, Essex county, New Jersey, have invented, made, and applied to use, a new and useful Instrument for Lighting Gas; and we do declare that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view of our improved instrument for lighting gas, showing the match or taper in position prior to ignition.

Figure 2, a view of the same, showing the match ignited.

Figure 3, a view of the corrugated lips attached to the sliding frame.

In the drawings, like parts of the invention are pointed out by the same letters of reference.

The nature of the present invention consists in the construction, as more fully hereinafter set forth, of a new and useful instrument for lighting gas.

To enable those skilled in the arts to make and use our invention, we will describe the construction and operation of the same.

A shows the handle of our improved instrument, which may be made of wood or metal, of any desired length. This handle A has inserted in its upper end the standard B, made smaller in diameter than the handle, and having its top portion slotted sufficiently deep to receive a match or taper inserted in the same.

C is a collar passed over this standard B, which collar supports a framework composed of the cross-pieces *d* and side-pieces *e*. This framework, when supported upon the collar C, and thrown down, (see fig. 2,) has its upper cross-piece resting upon the slotted portion of the standard B, or the same (the cross-piece) may project a short distance above the same.

To the upper cross-piece are attached the lips *f*, or these lips may be cast with and form a continuation of the upper cross-piece, in which case the upper cross-piece is formed of two separate pieces of metal subsequently connected, or held together by any convenient means. These lips *f* are corrugated upon their interior, as clearly shown in fig. 3 of the drawings.

Through the standard B are passed the pins, as shown, allowed to project sufficiently to bear against the framework as it is raised and lowered, and thus serving to guide and steady the same.

D shows the match or taper inserted and held in the slotted portion of the standard B.

Such being the construction, the operation is as follows: The framework is raised to its full extent upon the standard B, the pins inserted in the same, governing its elevation by bearing upon the upper side of the lower cross-piece, and a match or taper is then inserted within the slotted head of the standard B. The framework may then be depressed, by which movement the corrugated lips are passed over the head of the match or taper, instantly causing the same to ignite. The instrument may then be employed for lighting purposes.

The low cost of manufacture of the instrument, with its simplicity of operation, is of considerable importance in the case of an article so generally employed as an instrument for lighting gas.

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

In combination with a standard, we claim a movable framework, supporting the corrugated lips, when the same shall be constructed and operate substantially as described, for the purposes set forth.

AMOS SHIPLEY,
W. T. MERSEREAU.

Witnesses:

ROBERT PLUME,
GATES WILLARD.