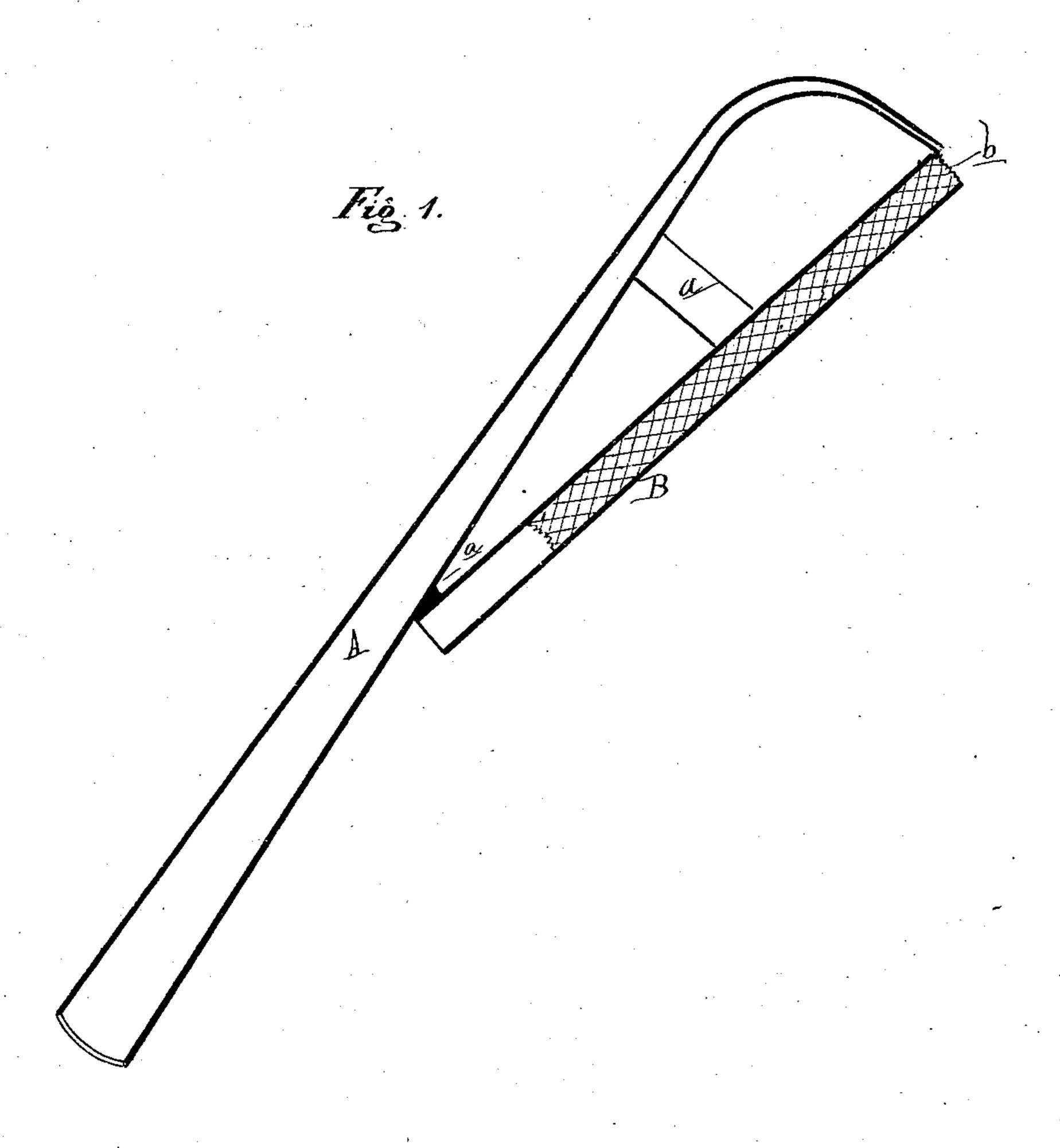
G. W. LOVE.
Blow-Pipes.

No.153,357.

Patented July 21, 1874.



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UNITED STATES PATENT OFFICE.

GEORGE W. LOVE, OF CHIPPEWA FALLS, WISCONSIN, ASSIGNOR TO HIM. SELF AND JAMES E. PRUDEN, OF LAKE CITY, MINNESOTA.

IMPROVEMENT IN BLOW-PIPES.

Specification forming part of Letters Patent No. 153,357, dated July 21, 1874; application filed May 22, 1874.

To all whom it may concern:

Chippewa Falls, in the county of Chippewa | and State of Wisconsin, have invented a Combined Blow-Pipe and Wick-Tube, of which the following is a specification:

The object of my invention is to combine with a blow-pipe a tube to contain a wick, which may be saturated with any inflammable fluid, which may be lighted to give a flame, which can be projected in any direction by the blow-pipe.

In the drawing, which shows my improvement in longitudinal section, A represents an ordinary blow-pipe, to which is secured, by one or more braces, a, a tube, B, which contains a wick, b, which tube is so placed with relation to the blow-pipe as that the blast will be directly across the outer end of the wicktube, causing a long slender flame to be pro-

jected in any direction in which the pipe may Be it known that I, George W. Love, of | be turned, making it very convenient for soldering, more especially as it can be used by any one who cannot use a soldering-copper. wick should be saturated, before using, with refined petroleum, or other inflammable liquid which will give the required volume of flame.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with a blow-pipe, A, of the tube B, provided with a wick, b, and fastened to the blow-pipe by one or more braces, a, the said tube B not being connected to any oil-containing vessel, all constructed and arranged substantially as described and shown.

GEO. W. LOVE.

Witnesses:

ROBT. W. LOCKWOOD, WM. P. SWIFT.