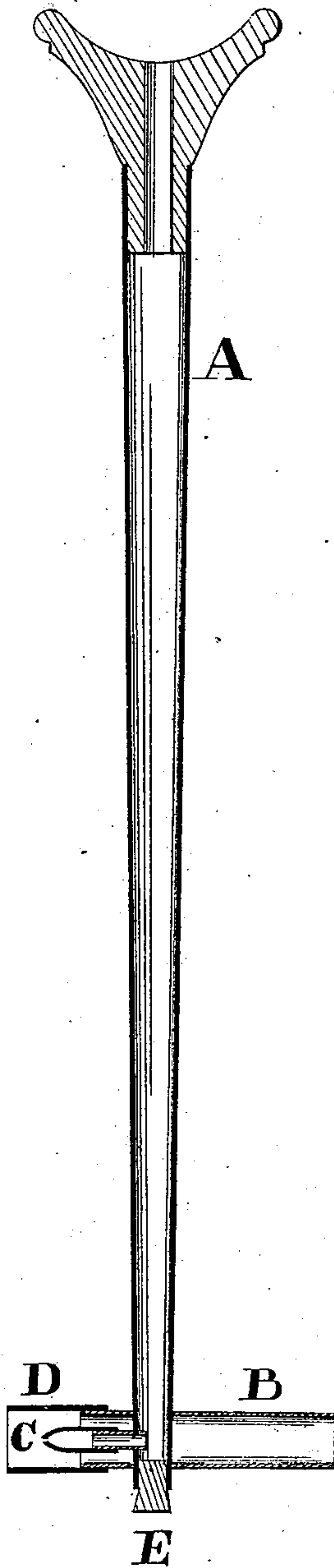


C. R. STUNTZ.
Blow-Pipe.

No. 227,136.

Patented May 4, 1880.



Attest:

Geo H. Harper
Jahnkeemann

Inventor:

C. R. Stuntz

UNITED STATES PATENT OFFICE.

CHAUNCEY R. STUNTZ, OF CINCINNATI, OHIO.

BLOW-PIPE.

SPECIFICATION forming part of Letters Patent No. 227,136, dated May 4, 1880.

Application filed June 4, 1878.

To all whom it may concern:

Be it known that I, CHAUNCEY R. STUNTZ, of Cincinnati, Hamilton county, Ohio, have invented an Improvement in Blow-Pipes, of which the following is a specification.

The object of my invention is to provide workers with the blow-pipe with a cheap efficient instrument that can be operated with illuminating-gas or with the common lamp.

In constructing the blow-pipe the air-tube A of the accompanying drawing is left open at the end E, and is passed through the center of the gas-tube B at right angles to it. The air-jet C is attached to A, projecting a short distance within it, and is constructed to deliver the air in the line of the axis of B, while B delivers the gas equally around it.

To provide for its use as a common blow-pipe with a lamp, B is made shorter than the air-jet C, and has a tube, D, of suitable length, fitted to the outside.

To operate the blow-pipe, close the opening E with a cork, attach B by hose to a gas-pipe,

and adjust the flow to the size of flame required.

The collected moisture when troublesome is removed by the opening E.

To use it with a lamp, detach the hose and remove the tube D.

The gas blow-pipes on which this my invention is an improvement consist, essentially, so far as your petitioner is informed, of an air-jet that is concentric with a gas-tube, which, by a complicated apparatus, admits the gas into the side of the tube.

I claim—

1. The combination of the blow-tube A, gas-tube B, and detachable tube D, whereby the blow-pipe may be used with gas and with a lamp.

2. The blow-tube A, having the opening E, in combination with the gas-tube B and jet C.

CHAUNCEY R. STUNTZ.

Witnesses:

GEO. W. HARPER,
JOHN NEEMANN.