

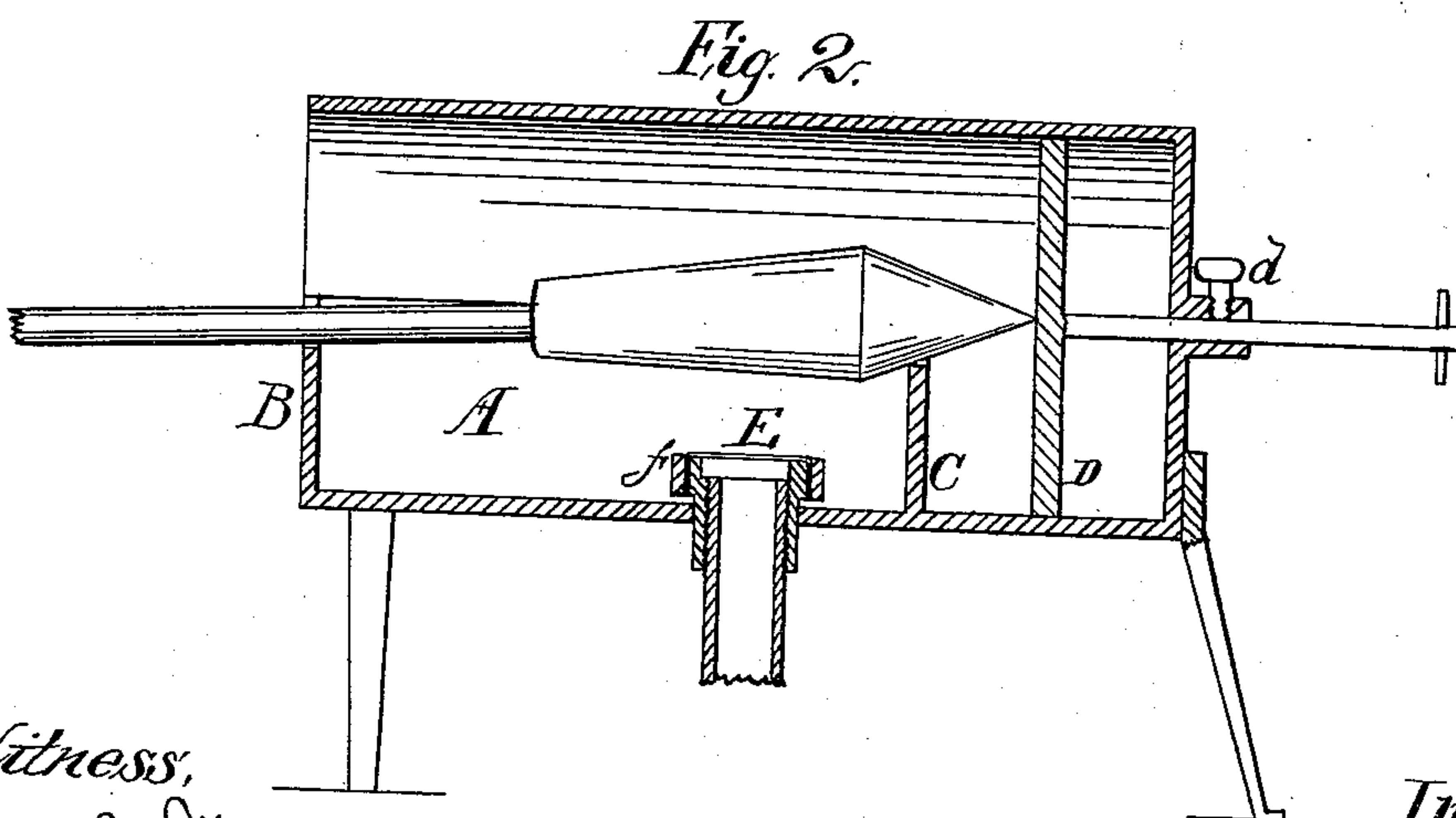
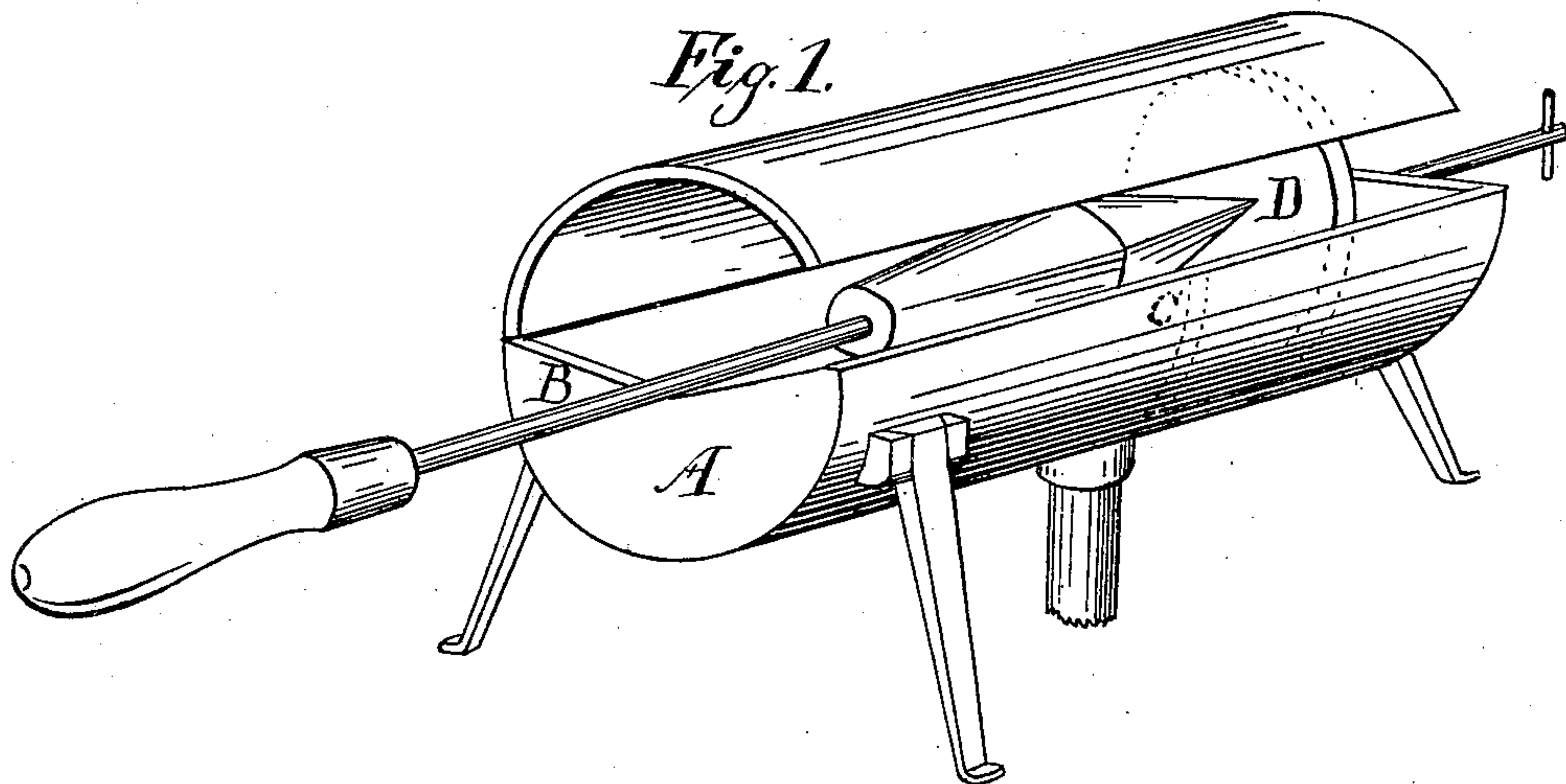
(No Model.)

L. B. SNOW.

VAPOR BURNING SOLDERING FURNACE.

No. 254,511.

Patented Mar. 7, 1882.



Witness,
Frank R. Tibbitts.
F. W. Caspell

Inventor,
Lenox B. Snow.
By Geo. W. Tibbitts Atty.

UNITED STATES PATENT OFFICE.

LEXOR B. SNOW, OF CLEVELAND, OHIO.

VAPOR-BURNING SOLDERING-FURNACE.

SPECIFICATION forming part of Letters Patent No. 254,511, dated March 7, 1882.

Application filed January 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, LEXOR B. SNOW, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful
5 Improvements in Vapor-Burning Soldering-Furnaces, of which the following is a specification.

The nature and objects of this invention will fully appear from the subjoined description when considered in connection with the
10 accompanying drawings, in which—

Figure 1 is a perspective view, and Fig. 2 is a longitudinal section, of my improved soldering-furnace.

15 A is a cylindrical-shaped box, made in two parts, and hinged together for convenience of opening to get at the interior when desired. The lower half is supported by legs to raise it from the bench upon which it stands. The
20 front end of said box is made open and the rear end closed. In the front end of the lower half there is made a web, B, having its top edge slanting to the center from each side, thus making an inclined edge for the soldering-irons to lie upon. In the rear part of the
25 said lower half of the box, a short distance from the rear end, is located a second webbing, C, for the same purpose as the front. The object of making these webs slanting toward the
30 center is, so that in placing an iron into the box it will naturally lie in the center, and if two irons are placed in side by side they will adjust themselves over the flame, and when one of the irons is removed the remaining one will
35 roll toward the center over the flame.

In the rear end of the box A is arranged an

adjustable disk, D, attached to a spindle passing out through a hole in the head. This is designed for an adjustable stop for the ends or points of the soldering-irons to strike against
40 when inserted in the box, to insure their being in proper position over the flame. This is to provide for a means of adjusting the space for long or short irons. A set-screw, *d*, is supplied in the sleeve, through which the spindle
45 passes, to secure the disk in place.

E is a burner, consisting of a short tube either cast with or placed in the bottom of the box. The said tube is covered with wire-gauze held in place by a ring, *f*, fitted tightly over
50 the end of the tube. The tube extends a short distance below the bottom of the box, and is screw-threaded to receive the end of a gas-pipe projecting upwardly through the bench or table on which the furnace stands. The object
55 of the gauze covering is to prevent fire from passing into the tube or pipe, also to assist in the perfect combustion of the gas.

This furnace is designed to burn vapor or gas generated by any of the known apparatus
60 for producing them from gasoline or oil.

Having described my invention, I claim—

The cylindrical divided box A, the lower half having the inclined webs B C and provided with the adjustable stop D, in combination with the burner E, provided with the wire-gauze cap *f*, substantially as described.
65

LEXOR B. SNOW.

Witnesses:

GEO. W. TIBBITTS,
E. W. LAIRD.