

L. S. ENOS.
OIL STOVE.

No. 184,200.

Patented Nov. 7, 1876.

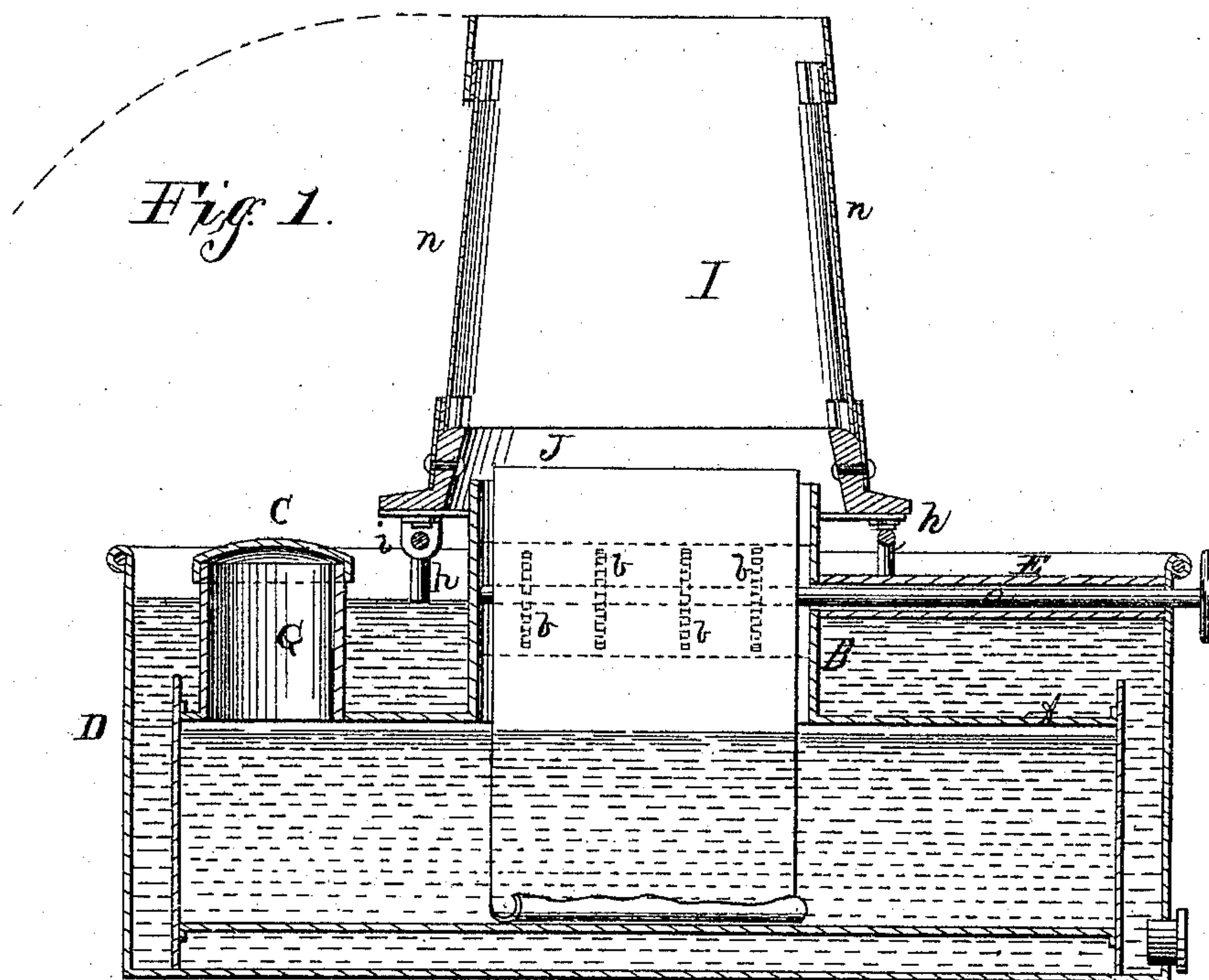
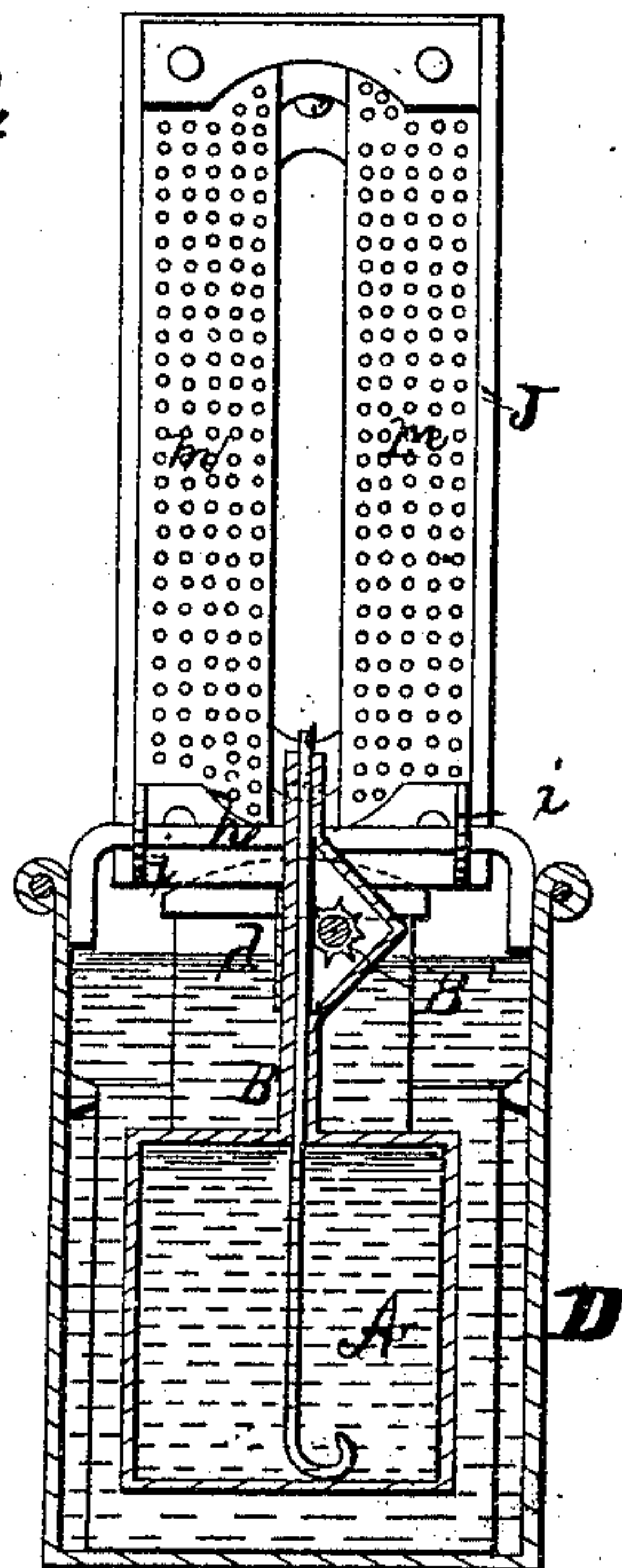


Fig. 2.



WITNESSES
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LEVI S. ENOS, OF ALMOND, N. Y., ASSIGNOR OF ONE-HALF OF HIS RIGHT TO
JESSE B. GIBBS, JR., AND JOHN M. WETHERBY, OF SAME PLACE.

IMPROVEMENT IN OIL-STOVES.

Specification forming part of Letters Patent No. 184,200, dated November 7, 1876; application filed
September 20, 1876.

To all whom it may concern:

Be it known that I, LEVI S. ENOS, of Almond, in the county of Allegany, and in the State of New York, have invented certain new and useful Improvements in Oil Stoves or Heaters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of an oil-stove, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section of my oil-stove. Fig. 2 is a transverse vertical section of the same, with the top thrown back to show the bottom thereof.

A represents the oil-reservoir, made in elongated rectangular form, and provided with an elongated wick-tube, B, in the center, as shown. At or near one end of the oil-reservoir A is an upwardly-projecting inlet-tube, G, with cap C, through which the oil-reservoir is filled. The reservoir A is placed within a vessel, D, of corresponding shape, and attached to the sides and bottom thereof in any suitable manner, so as to leave a space under and around all sides of the oil-reservoir.

Water is to be poured into the vessel D to near the top, so that the oil-reservoir becomes entirely surrounded and covered with water, thus keeping the oil perfectly cool, obviating all danger of explosion. I have also found that the cooler the oil is, the less oil it takes to do the same amount of work.

From one end of the wick-tube B extends a tube, E, through the end of the water-reservoir D, and through this tube passes the shaft a, provided with the usual wick-raising wheels b b, which work within a chamber, B', formed

along one side of the wick-tube. Directly opposite these wick-raisers, on the other side of the wick-tube, is attached a strip or stay, d, to prevent the wheels b from slipping on the wick, which often happens by the giving or yielding of the wick-tube. By this improvement the wick can always be raised evenly.

Across the top of the water-reservoir D, a short distance beyond each end of the wick-tube B, is a rod, h, to support the top or chimney, which is hinged, by means of ears i i, to one of said rods, and rests upon the other.

The top or chimney consists of a cast-metal base, J, having a perforated diaphragm, m, at the bottom, on each side of the wick-tube. To this base the sheet-metal chimney proper I is riveted, said chimney being at each end provided with mica n, as shown.

The peculiar shape of the oil-stove thus constructed admits of its being placed and used within any common cook-stove, and any furniture belonging to such cook-stove can be used.

Any desired amount of heat can be obtained by placing two or more of the oil-stoves side by side; and they can easily be moved, so as to distribute the heat evenly.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the water-vessel D, oil-reservoir A, with wick-tube B and inlet-tube G, the rods h h, and the hinged top or chimney, composed of the base J, having perforated diaphragms m m, and the top I, with or without mica windows n n, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 16th day of September, 1876.

LEVI S. ENOS. [L. S.]

Witnesses:

JESSE B. GIBBS, Jr.,
ALLEN B. CANFIELD.