

L. S. ENOS.
Oil-Stove.

No. 197,725.

Patented Dec. 4, 1877.

Fig. 1.

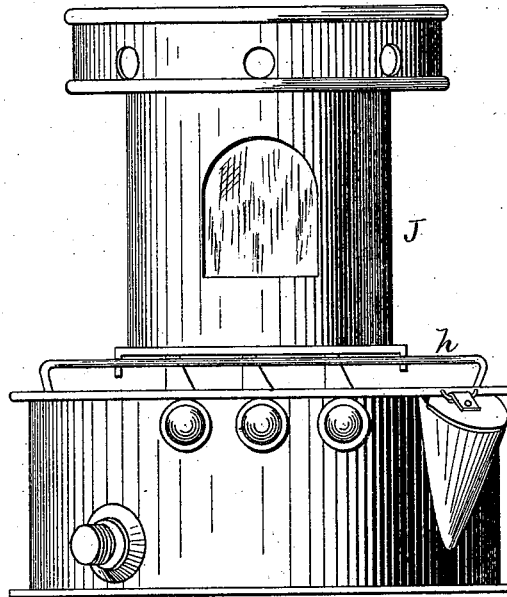
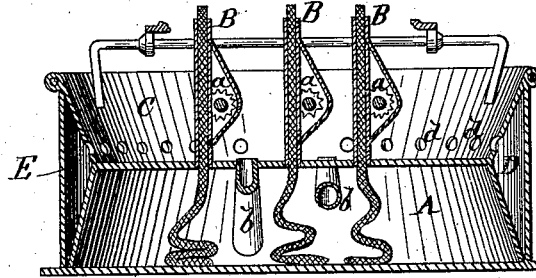


Fig. 2.



WITNESSES

Henry N. Miller
John Schroeder

INVENTOR

Levi S. Enos,
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ATTORNEYS

UNITED STATES PATENT OFFICE.

LEVI S. ENOS, OF ALMOND, NEW YORK, ASSIGNOR OF ONE-HALF HIS
RIGHT TO H. S. HALL, OF SAME PLACE.

IMPROVEMENT IN OIL-STOVES.

Specification forming part of Letters Patent No. **197,725**, dated December 4, 1877; application filed
May 17, 1877.

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; 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 a coal-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 drawings, in which—

Figure 1 is a side elevation of my coal-oil stove, and Fig. 2 is a central vertical section of the lower part thereof.

A represents the oil-reservoir, made in circular form and tapering upward, and provided with a series of elongated wick-tubes, B, having the usual wick-raising devices *a a*.

On top of the oil-reservoir A is a flaring pan, C, for containing water, and the upper edge of this pan is, by a cylindrical shell, E, connected with the bottom edge of the oil-reservoir A, forming a water-chamber, D, surrounding the reservoir A.

In the sides of the pan C is a series of perforations, *d d*, communicating with the chamber D for the passage of the water.

The pan C is further connected with the chamber D by means of tubes *b b* passing from

the bottom of the pan downward through the oil-reservoir, and opening through the sides thereof into the chamber D. Any desired number of these curved tubes may be used as desired.

By the water thus circulating through the oil chamber or reservoir, in addition to the body of water standing around and on top of the oil-reservoir, the oil is kept perfectly cool and no danger of generating any gas that might explode.

h h are the rods supporting the chimney J, which is constructed substantially in the manner described in my Letters Patent No. 184,200, dated November 7, 1876.

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

1. In an oil-stove, the combination of a water-pan, C, on top of the reservoir, and a water-chamber, D, surrounding the same, the pan and chamber being connected by passages *d*, substantially as herein set forth.

2. In an oil-stove, water-tubes *b* passing through the oil-reservoir, substantially as herein set forth.

3. The combination, with the oil-reservoir A, of the top pan C, the surrounding chamber D, passages *d*, and tubes *b*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of May, 1877.

LEVI S. ENOS.

Witnesses:

J. M. MASON,
JOHN COOLEY.