

A. Q. ALLIS.
Oil-Stoves.

No. 166,738.

Patented Aug. 17, 1875.

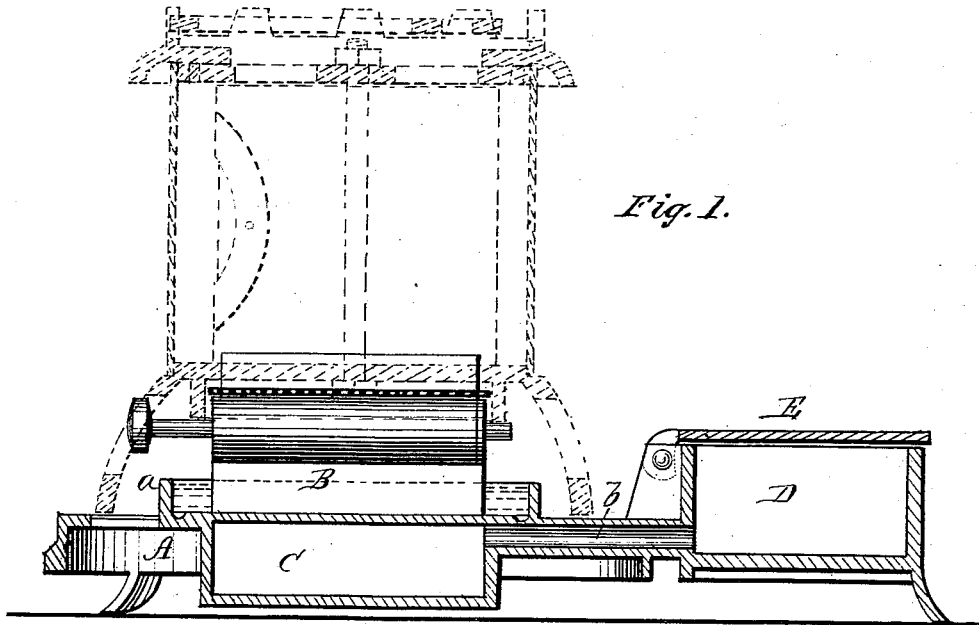


Fig. 1.

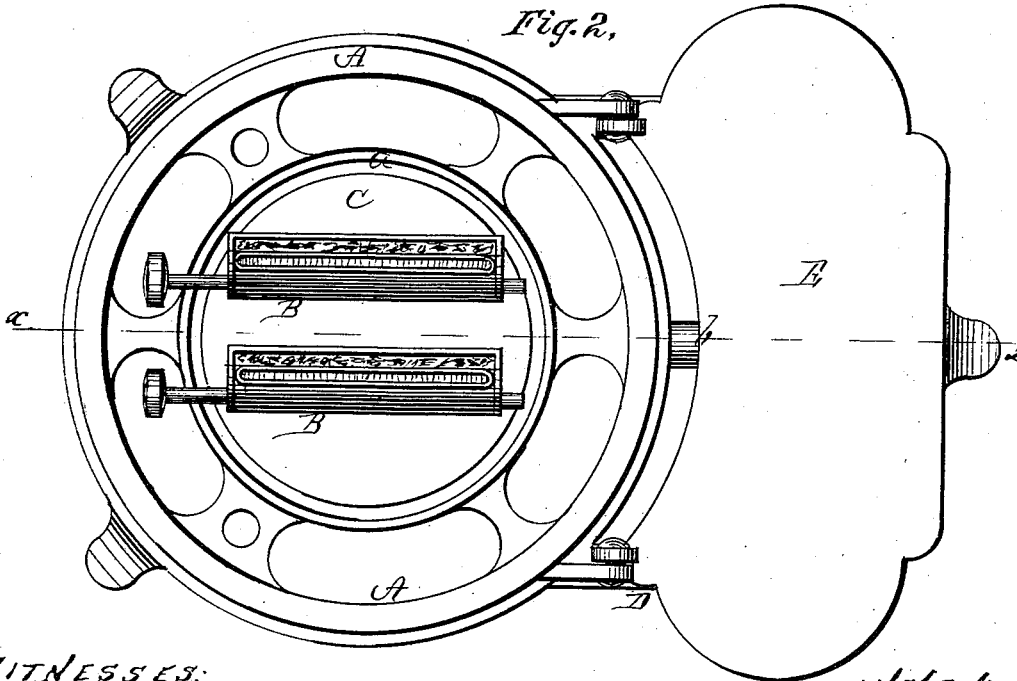


Fig. 2.

WITNESSES:

P. C. Dieterich

Wm. B. P. Jermann

INVENTOR

Abram Q. Allis

per

C. H. Watson & Co
ATTORNEYS

UNITED STATES PATENT OFFICE.

ABRAM Q. ALLIS, OF CLEVELAND, OHIO.

IMPROVEMENT IN OIL-STOVES.

Specification forming part of Letters Patent No. **166,738**, dated August 17, 1875; application filed August 5, 1875.

To all whom it may concern :

Be it known that I, ABRAM Q. ALLIS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Oil-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to that class of stoves in which coal-oil or other oil is used as fuel; and it consists in constructing the base of such stove with a reservoir on one side, and said reservoir connected, by a tube formed in the base, with the usual oil-reservoir below the wick-tubes.

In the annexed drawing, Figure 1 is a longitudinal vertical section, and Fig. 2 a plan view, of my improved base for oil-stoves.

A represents the ordinary circular base for oil-stoves, provided with the wick-tubes B B and oil-reservoir C beneath the same; also, with a circular flange, *a*, on top around the wick-tubes, to form a pan for containing water, the same as many oil-stoves now in use. At one side of the base A is formed an additional reservoir, D, which is elevated above the plane of the base, and provided with the

hinged lid E. This reservoir D is, from near its bottom, by a tube, *b*, connected with the reservoir C, said tube being formed in the base, as shown.

By means of the elevated reservoir D the oil is made to pass up into the wick-tubes to the same height as the oil in said reservoir, thus increasing the heat from the flames.

One serious objection to oil-stoves heretofore is that the oil penetrates or oozes through all parts of the base, making it disagreeable to handle the stove, besides leaving grease-spots wherever the stove stands. To obviate this difficulty I galvanize the entire base, whereby the pores of the iron become filled, so that the oil cannot penetrate the same, and ooze through.

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

In an oil-burning stove, the supplemental reservoir D, elevated as described, in combination with the depressed reservoir C, connecting-tube B, where the oil is kept separate from the stove, all constructed as and for the purpose herein specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ABRAM Q. ALLIS.

Witnesses:

WM. B. UPPERMAN,
C. L. EVERT.