

R. F. TALLMAN.

COAL-OIL STOVES.

No. 183,723.

Patented Oct. 24, 1876.

Fig. 1.

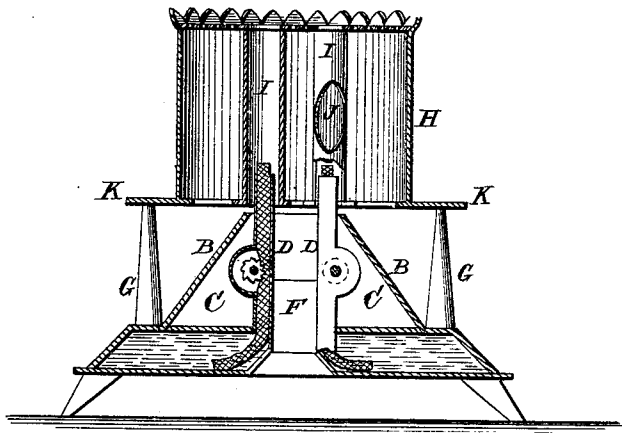
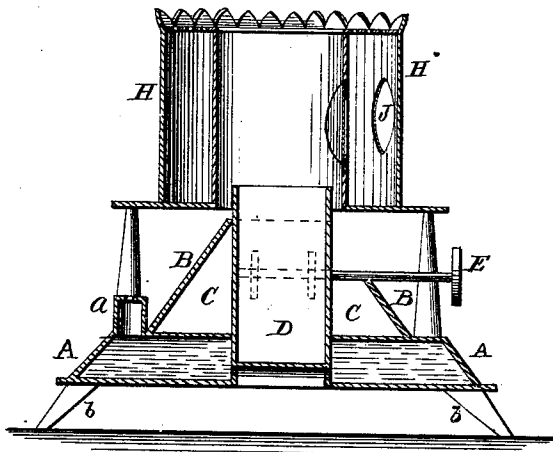


Fig. 2.



WITNESSES

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RICHARD F. TALLMAN, OF FREEPORT, ILLINOIS.

IMPROVEMENT IN COAL-OIL STOVES.

Specification forming part of Letters Patent No. **183,723**, dated October 24, 1876; application filed September 23, 1876.

To all whom it may concern:

Be it known that I, RICHARD F. TALLMAN, of Freeport, in the county of Stephenson and in the State of Illinois, have invented certain new and useful Improvements in Coal-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 with oil-chamber, water-chamber, heat-deflectors, and ventilating-flue, the peculiarities of which will be hereinafter more particularly described.

In the accompanying drawings, making part of this specification, in which both figures represent vertical sections, A represents the base of the stove, which is supported upon the legs *b b*. This base is made hollow, and is used as an oil-chamber or reservoir. Immediately above this chamber is formed a water-reservoir, C. B B represent the sides of the water-reservoir, which are made inclined, as seen, and are intended to act as deflectors of heat. G G represent four posts, which are erected upon the four corners of the oil-chamber. These posts support the upper portion of the stove, said upper portion being constructed upon the plate K, which said plate rests upon the posts. F represents an air-flue, which passes through the center of the stove from bottom to top and between the two wick-tubes.

D D represent the wick-tubes, which open below into the oil-chamber, and which are provided with the usual elevating-wheels E. H represents the barrel or case of the upper portion of the stove, and in this barrel are two tubes, I I, into which the wick-tubes open at their upper ends. Upon the upper end of the barrel a perforated plate may be used, as also any other suitable device upon which to place cooking or heating utensils. In the sides of the tubes I I windows are formed, which are covered with isinglass, and in the sides of the barrel H are openings, so that light may pass out.

With a current of cold air passing up between the wick-tubes, and with the deflectors B B for carrying off the heat from the outside of the tubes and the water-reservoir, above the oil-chamber, it will readily be seen that the oil is kept cool, and cannot become heated, and that the stove is thus rendered non-explosive.

Having thus fully described my invention, what I claim is—

The case H, provided with tubes I I, supported upon the plate K and posts G, in combination with the two wick-tubes D D, hollow oil-base A, and water-chamber C, all 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 29th day of August, 1876.

RICHARD F. TALLMAN. [L. S.]

Witnesses:

JOHN C. KEAN,
HORACE MEIGS.