

R. F. TALLMAN.
COAL-OIL STOVES.

No. 183,723.

Patented Oct. 24, 1876.

Fig. 1.

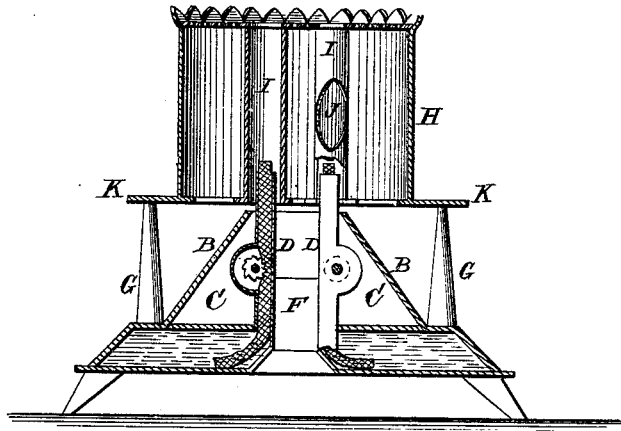
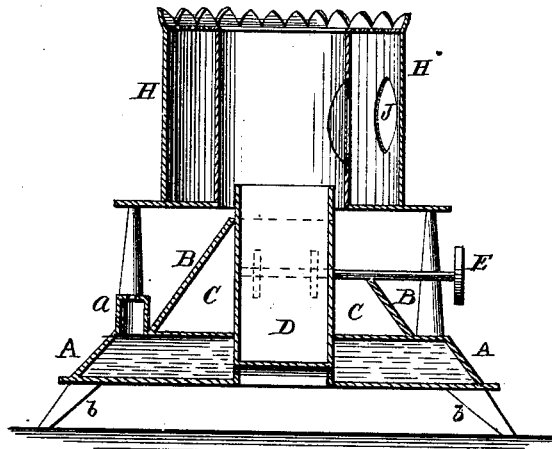


Fig. 2.



WITNESSES
Frank L. Curand
C. R. Ewert.

INVENTOR
Richard F. Tallman
Alexander Mason
ATTORNEYS

UNITED STATES PATENT OFFICE.

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.