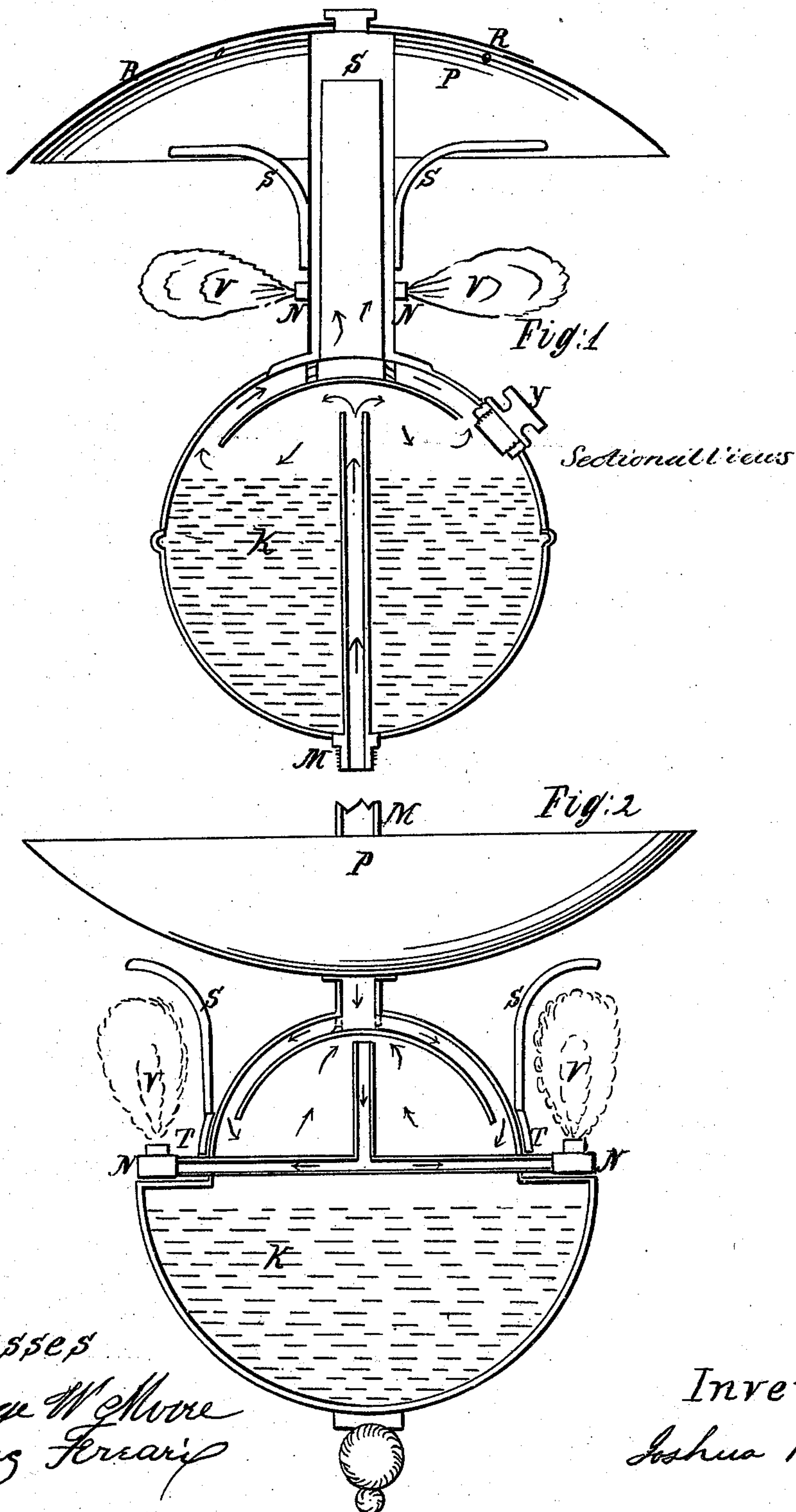


J. Kidd.

Gas Carburettor.

N^o 87,682.

Patented Mar. 9, 1869.



Witnesses

*George W. Moore
Francis Ferris*

Inventor

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United States Patent Office.

JOSHUA KIDD, OF NEW YORK, N. Y.

Letters Patent No. 87,682, dated March 9, 1869.

IMPROVED APPARATUS FOR CARBURETTING GAS.

The Schedule referred to in these Letters Patent and making part of the same.

To all to whom it may concern:

Be it known that I, JOSHUA KIDD, gas-engineer, of 74 Maiden Lane, in the city and State of New York, have invented a new and improved Apparatus for Carburetting Gas; and I hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the drawings hereunto annexed, and making part of this specification.

My improvements in apparatus for carburetting gas with the heated vapor of heavy oils, consist in so forming the carburetting-vessel, that the carburetted gas escapes and burns from the top of the vessel, and the heat of the gas-flame is conveyed to the carburetting-vessel by a metallic heat-conductor attached to the carburetter, and made to project over the flame. By this means a carburetter using heavy oil may be made to screw or fit upon ordinary gas-fixtures, without any alteration of the same.

Description of Drawing.

Figure 1 is a sectional elevation of my improved apparatus; and

Figure 2 is a modification of the same.

K is the carburetting-vessel.

M is the inlet, and

N, the outlet or burner.

S is the heat-conductor, which also serves as a support for the reflector P, but the apparatus may also be used without reflector, if required.

R shows a metallic heat-interceptor, made to turn

on its centre upon the heat-conductor, so as to more or less close the two apertures O O, made in the reflector.

By this means, the heat to the carburetter may be regulated to the greatest nicety.

When no reflector is used, the heat is regulated by making the heat-conductor project more or less over the flame V, as required.

In the modification shown in sectional elevation at fig. 2, the vessel is made larger at the bottom than at the top, and the heat-conductor S is attached to a circular metallic belt, T, made to fit snugly around the carburetting-vessel.

This metallic belt T is made to turn round and allow the heat-conductors to be adjusted over the flame in this modification.

The reflector is shown reversed, and may either be used or dispensed with, as desired. The outlet and inlet is also reversed, and the gas travels as indicated by the direction of the arrows.

Y is the oil-feed screw.

I claim, as new, the heat-conductor S, together with the arrangement of apparatus for carburetting gas, as described and set forth.

The above specification of my invention signed by me, this 28th day of November, 1868.

JOSHUA KIDD.

Witnesses:

GEORGE W. MOORE,
FRANC FERRARI.