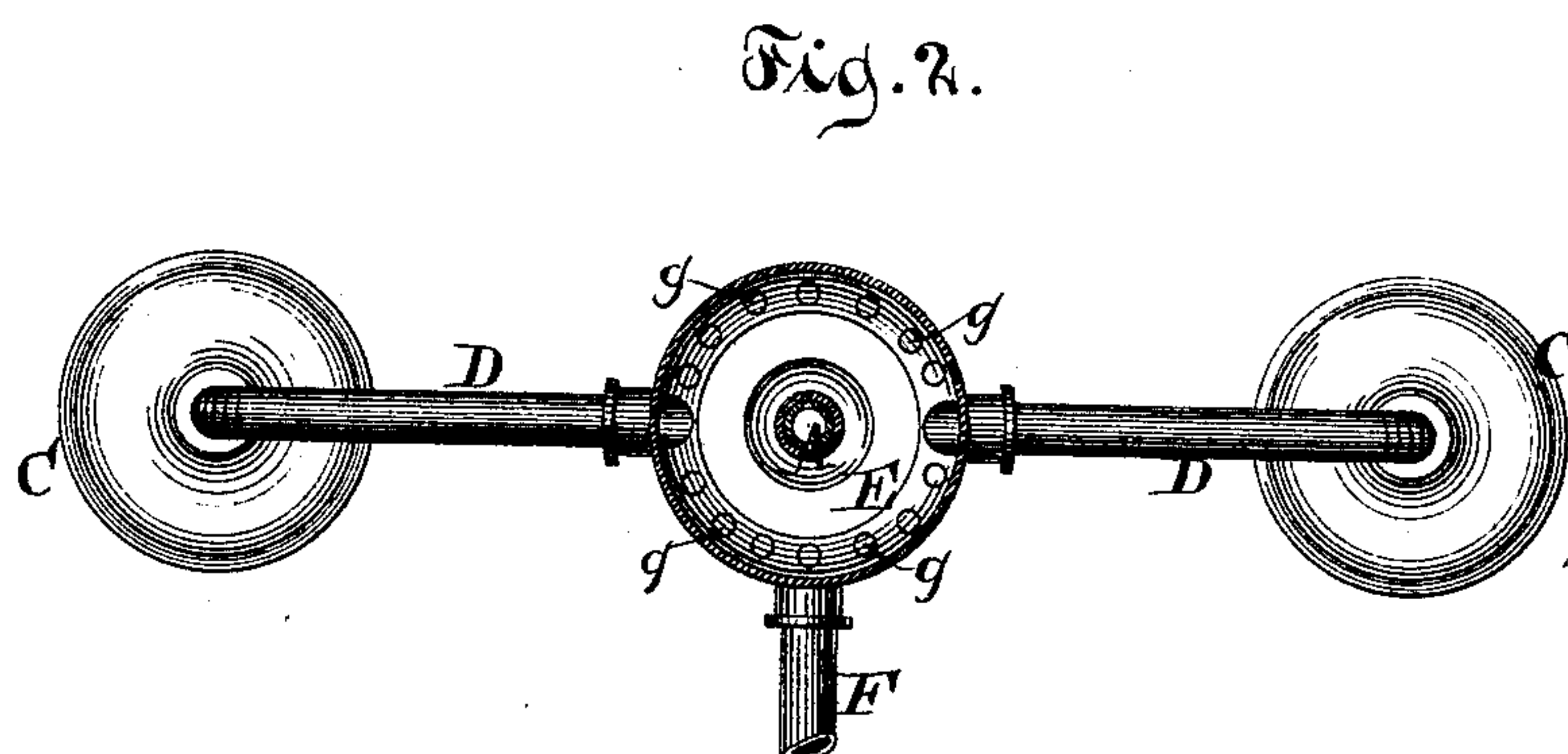
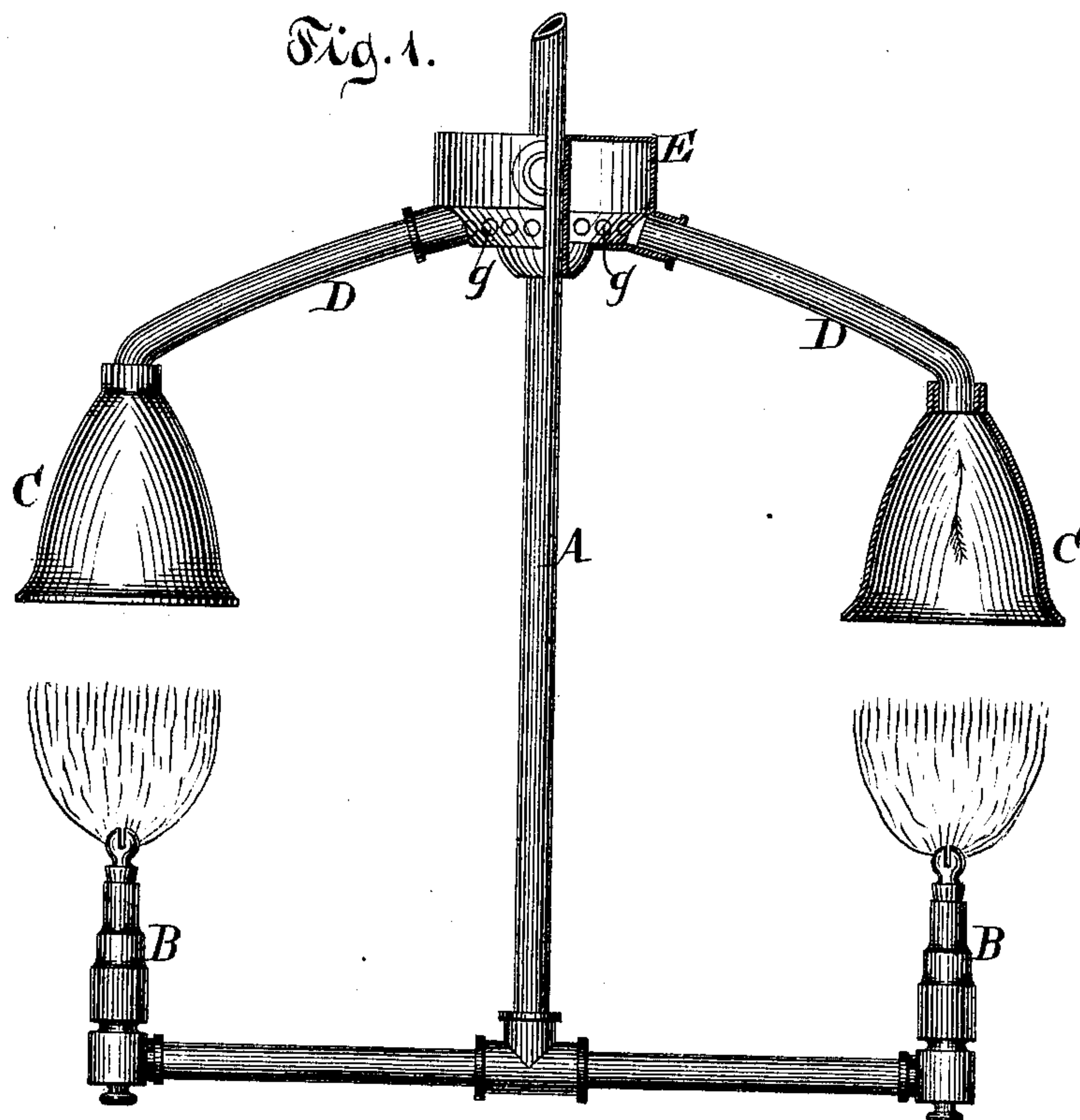


B. T. STEINHARDT.
GAS OR LAMP-FIXTURES.

No. 195,854.

Patented Oct. 2, 1877



Witnesses.
Char. Wahlers.
Otto Hufeland.

Inventor.
Bernhardt T. Steinhardt
by
Van Santvoord & Hauff
his attorneys

UNITED STATES PATENT OFFICE.

BERNHARDT T. STEINHARDT, OF NEW YORK, N. Y.

IMPROVEMENT IN GAS OR LAMP FIXTURES.

Specification forming part of Letters Patent No. **195,854**, dated October 2, 1877; application filed August 22, 1877.

To all whom it may concern:

Be it known that I, BERNHARDT T. STEINHARDT, of the city, county, and State of New York, have invented a new and useful Improvement in Gas or Lamp Fixtures, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a side elevation, partly in section. Fig. 2 is a plan or top view, partly in section.

Similar letters indicate corresponding parts.

My improvement has for its object to carry off the products of combustion from a room in which gas or a lamp is burned; and it consists in the combination of a bracket forming a gas-supply pipe and having one or more gas-burners, or forming a support for one or more lamps, with one or more ventilating-pipes, each having a mouth-piece arranged above the point of said burners or the lamps, and a receiver to which said ventilating-pipes are connected, and which has a discharge-pipe, so that the products of combustion rising from said burners or lamps are caught by the mouth-pieces of said ventilating-pipes and conducted to the receiver, whence they may be carried to the open air; also, in locating the receiver above named at a point above the burners or the lamps, and providing the same with inlet-holes in the lower part thereof, so that the products of combustion which escape the mouth-piece of said ventilating-pipes are caught by said inlet-holes, and thereby caused to pass directly into the receiver.

In the drawing, the letter A designates a bracket, which, in the example shown, is made hollow, and forms a gas-supply pipe, while it is provided with two gas-burners, B B. Above each of the burners B B is situated an inverted cup, C, which forms a mouth-piece for a ventilating-pipe, D, said cup or mouth-piece being secured to one end of the pipe D, while the other end of the pipe is connected to a receiver,

E, which has the form of a box and is provided with a discharge-pipe, F. (See Fig. 2.) When the gas issuing from either of the burners B B is lighted, the products of combustion are caught by the mouth-piece C, and thence conducted through the ventilating pipe or pipes D to the receiver E, whence they can obviously be carried to the open air through the discharge-pipe F.

The receiver E is situated at a point above the gas-burners B B, and in the example shown it is affixed to the bracket A, while it is provided with a series of holes, *g*, in the lower part thereof, communicating with the room in which the burners are located. By placing the receiver E above the gas-burners, it is adapted to catch any products of combustion which escape the mouth-piece C of the ventilating-pipes, said products being permitted to enter the receiver through its holes *g*, thus thoroughly ventilating the room.

It is obvious that the number of gas-burners and of the ventilating-pipes may be increased to any desired extent, and, if desired, moreover, the bracket A may be made solid, and lamps substituted for the gas-burners.

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the bracket A and the ventilating-tubes D and mouth-pieces C, the receiver E, located above the mouth-pieces, provided with apertures *g* leading into the room in which the burners are located, and connected with an exit-pipe, F, for ventilating the room in which the burners are located, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 15th day of August, 1877.

BERNHARDT T. STEINHARDT. [L. s.]

Witnesses:

E. F. KASTENHUBER,
CHAS. WAHLERS.