

No. 791,666.

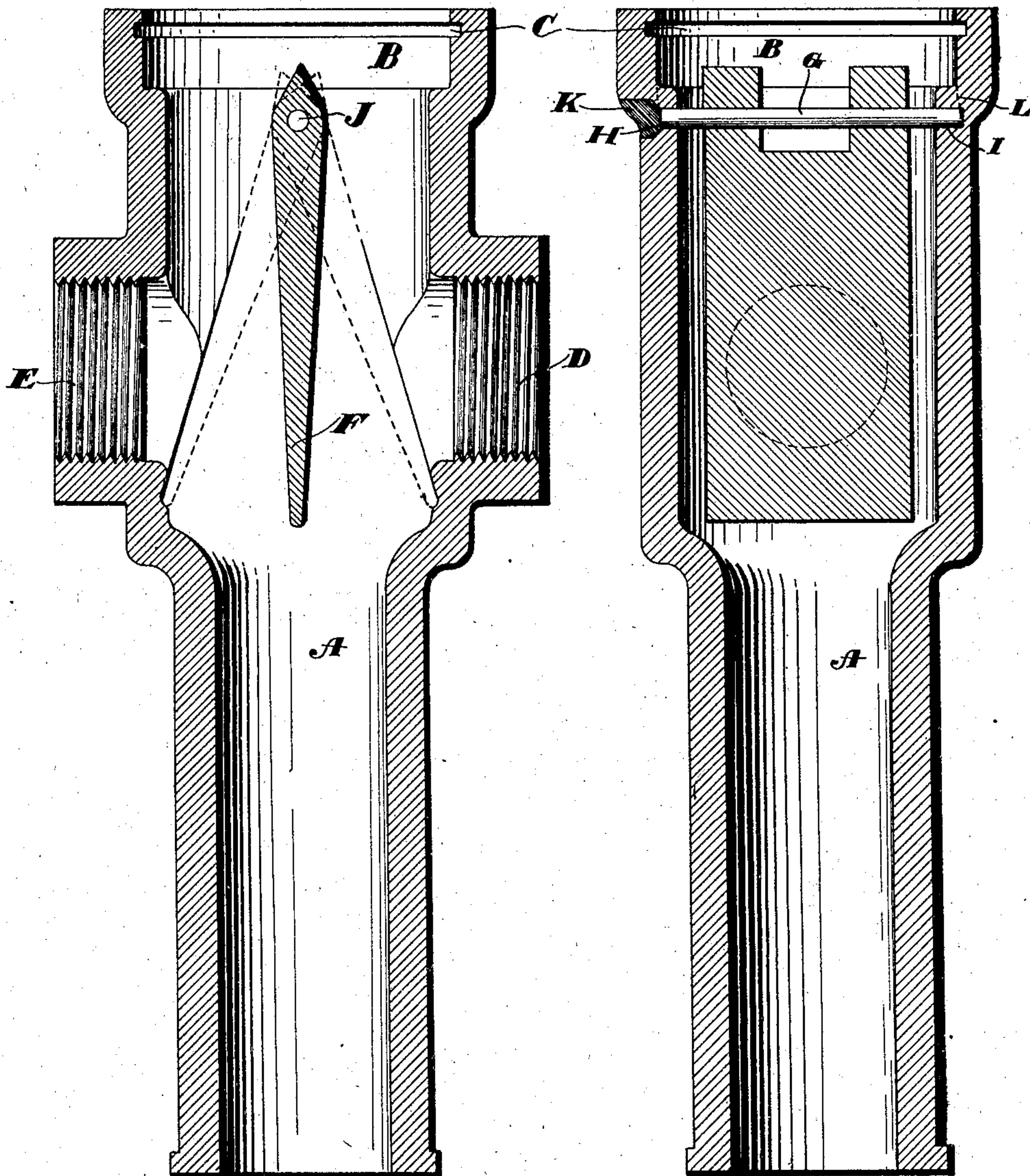
PATENTED JUNE 6, 1905.

J. M. WISHART.
PLUMBING-T.

APPLICATION FILED JULY 25, 1904.

Fig. 1.

Fig. 2.



WITNESSES

Trumble Backus
Margaret C. Nickelson
A

INVENTOR

James M. Wishart
BY *Hazard & Harpham*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES M. WISHART, OF PASADENA, CALIFORNIA.

PLUMBING-T.

SPECIFICATION forming part of Letters Patent No. 791,666, dated June 6, 1905.

Application filed July 25, 1904. Serial No. 218,109.

To all whom it may concern:

Be it known that I, JAMES M. WISHART, a citizen of the United States, residing at Pasadena, in the county of Los Angeles and State of California, have invented new and useful Improvements in Plumbing-T's, of which the following is a specification.

My invention relates to a T for use in waste and ventilating pipes that are placed in partitions and which afford outlets and ventilation for fixtures on both sides of the partition; and the object thereof is to provide a T-fixture that when used in a pipe in a partition will absolutely safeguard the trap of a fixture on one side of said partition from being siphoned out when waste from the fixture on the other side of the partition is passing through the T and to prevent water from one fixture from passing into the outlet of the other fixture. I accomplish this object by the T described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a central longitudinal vertical section taken through the outlets. Fig. 2 is a like section taken at right angles to the plane of Fig. 1.

In the drawings, A is the casing of the T-fitting, the lower part of which is connected with the waste-pipe (not shown) in the usual manner and the upper part is connected with the vent-pipe. (Not shown.) In the upper part of the casing is the socket B for the reception of the end of the vent-pipe. (Not shown.) This socket is provided with an annular groove C, which is filled with solder when the vent-pipe is secured in the fitting. Sockets with such grooves in may be used in all the joints of the vent and waste pipes. At opposite sides of the fitting are threaded inlets D and E for the reception of the fixture-pipes. (Not shown.) Intermediate these inlets is the swinging gate F, which is adapted to be thrown over and partially close the inlet E, as shown by dotted lines, when the inlet D is being used for the escape of waste water from the fixture from

that side of the partition or to partially close the inlet D, as shown in dotted lines, when the inlet E is being used for the escape of water from the fixture on that side of the partition. It will be observed that when the gate is thrown to the position shown in dotted lines there is still an opening at the top of the inlet into the vent-pipe which is not closed, but that the lower part of the inlet is cut off, so that it is impossible for the water passing down the waste-pipe to siphon the water out of the trap of the fixture on the other side of the partition, because to do this it is necessary for the air to pass over the top of the swinging gate, which it will not do, as a full supply will be furnished from the vent-pipe itself. Should both inlets be wanted for use at the same time, the swinging gate would hang centrally between the two inlets, as shown in Fig. 1. This swinging gate is secured by rod G, which passes through a hole H in the side of the casing and into a socket I on the other side thereof, passing through apertures J in the gate, and is held therein by a lead plug K, which prevents the gas from escaping therethrough, as well as holding the rod in place.

If desired, instead of using the hole H and socket I sockets L (shown in dotted lines in Fig. 2) could be made in the casing when it is cast and the rod G dropped therein and secured in place when the vent-pipe is fastened in the T.

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

1. In a T-fitting having oppositely-disposed inlets; a swinging gate intermediate said inlets and having its lower end extending below said inlets and adapted to be swung across to either side and partially close the inlet on the side to which it swings, said closure being complete in the lower portion thereof.

2. The herein-described T-fitting comprising casing A having the oppositely-disposed

inlets D and E, socket B in the top thereof
having an annular groove C therein, swing-
ing gate F disposed between inlets D and E
and adapted to close the lower portion of
5 either of said inlets when the opposite inlet
is being used for the escape of water.

In witness that I claim the foregoing I

have hereunto subscribed my name this 16th
day of July, 1904.

JAMES M. WISHART.

Witnesses:

G. E. HARPHAM,
HENRY T. HAZARD.