

F. H. Williams

Stench Trap.

No 56,478

Patented July 17, 1866.

Fig. 1.

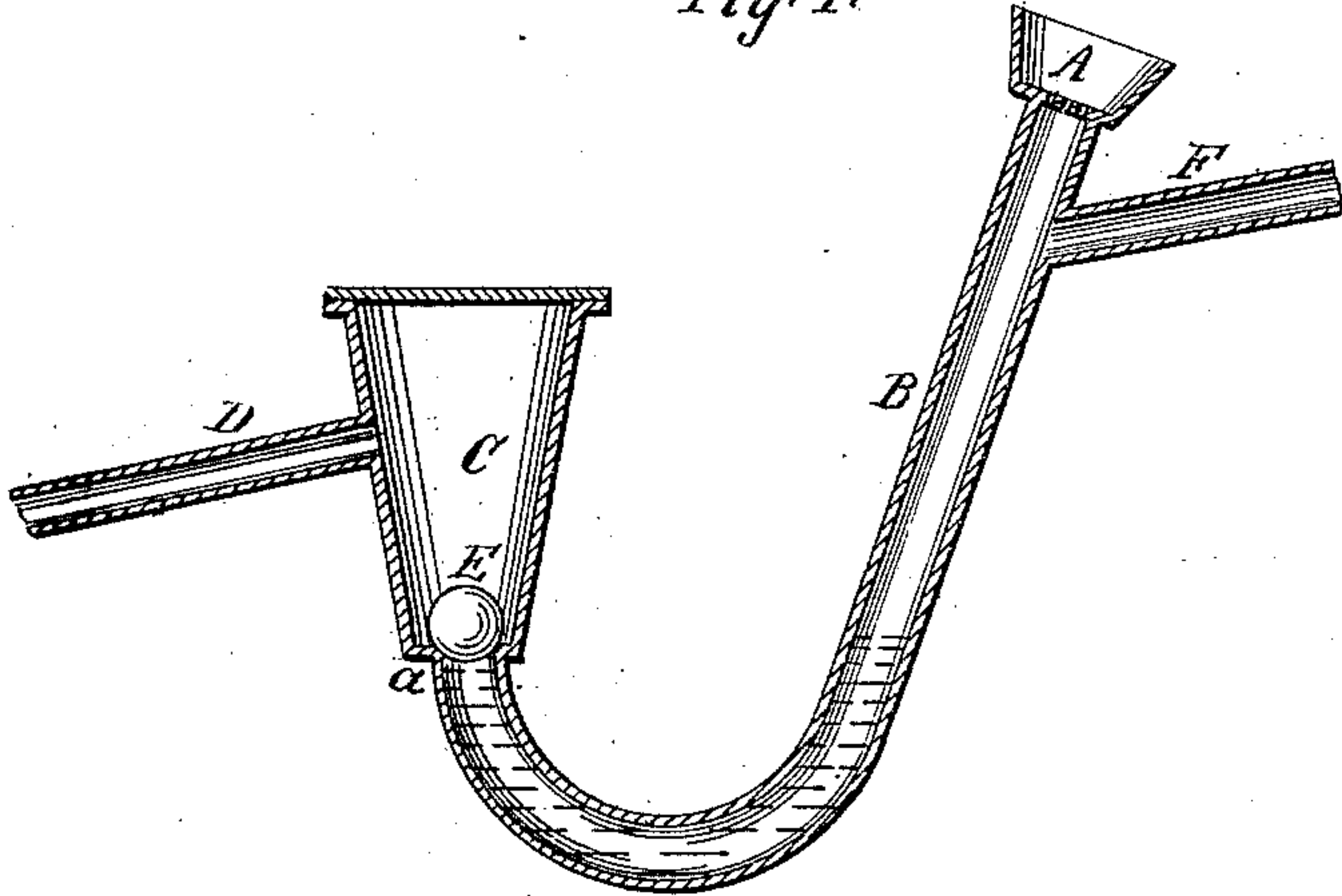
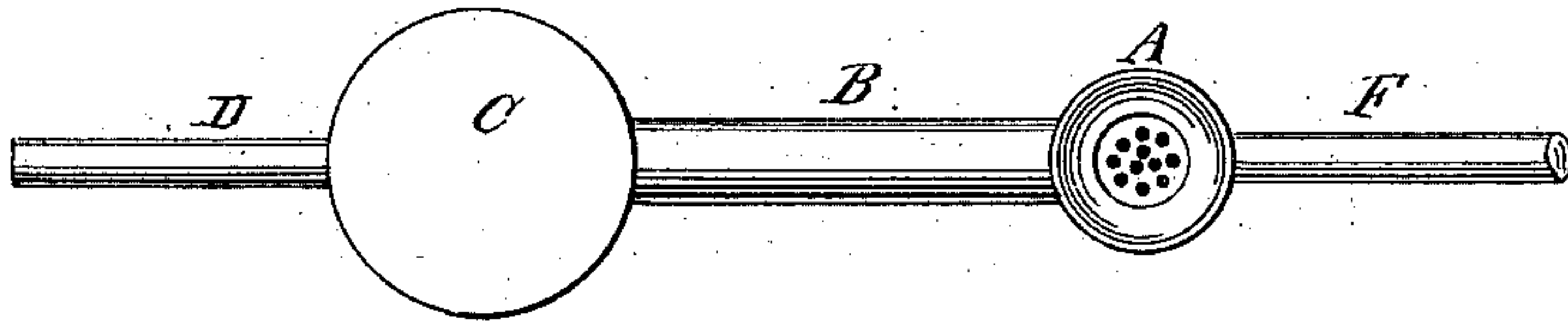


Fig. 2.



Witnesses

Inventor

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UNITED STATES PATENT OFFICE.

F. H. WILLIAMS, OF SYRACUSE, NEW YORK.

IMPROVED STENCH-TRAP.

Specification forming part of Letters Patent No. **56,478**, dated July 17, 1866.

To all whom it may concern:

Be it known that I, FRANCIS H. WILLIAMS, of Syracuse, in the county of Onondaga and State of New York, have invented a new and Improved Stench-Trap; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a vertical central section of this invention. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention consists in the arrangement of a siphon-tube with a floating valve, in combination with the sink or waste-pipes leading from the sink or sinks in a building, and with a suitable pipe leading to the sewer, in such a manner that by the liquid remaining in the lowest part of the siphon, and by the valve, the communication from the sewer back to the sink is firmly closed, and the escape of stench from the sewer in the house or building is prevented, and at the same time the communication from the sink or waste-pipes to the sewer is uninterrupted.

A represents the sink in a house or building, and from this sink extends a siphon, B, which terminates in a chamber, C, from which leads a pipe, D, to the sewer. In the chamber C is

a ball-valve, E, made of wood or other material lighter than water, and seated on a shoulder, *a*, at the junction of the siphon B with the chamber C. If water or other liquid is poured down from the sink through the siphon B the valve E floats off and the water escapes freely through the pipe D into the sewer. As soon as the supply of water stops the ball-valve returns to its seat, and by its action, combined with the action of the water remaining in the bight of the siphon, the escape of stench from the sewer to the sink or interior of the house is effectually prevented.

If desired, one or more waste-pipes, F, from different parts of a house may be connected with the siphon B, and several pipes may be made to extend from the chamber C to the sewer, and a stench-trap is thus obtained which is very simple in its construction, easily kept in working order, and not liable to get out of repair.

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

The siphon B, provided with a floating valve, E, in combination with the sink or sinks in a house or building and with the pipe or pipes leading to the sewer, substantially as and for the purpose described.

F. H. WILLIAMS.

Witnesses:

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