

(No Model.)

H. PIETSCH.

STENCH TRAP.

No. 274,139.

Patented Mar. 20, 1883.

Fig. 1.

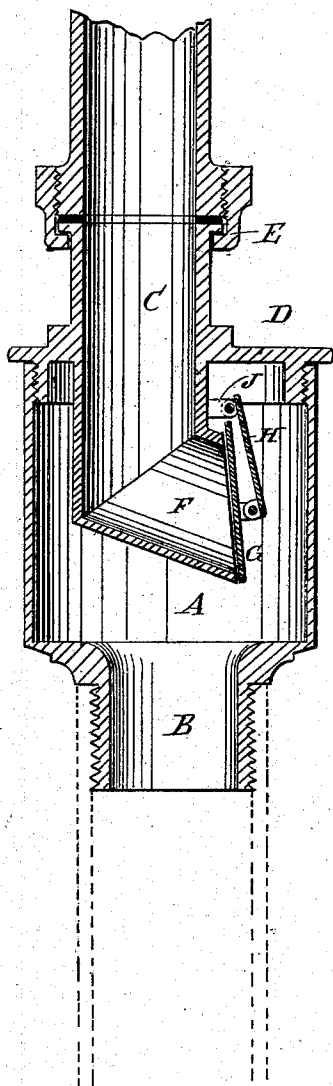
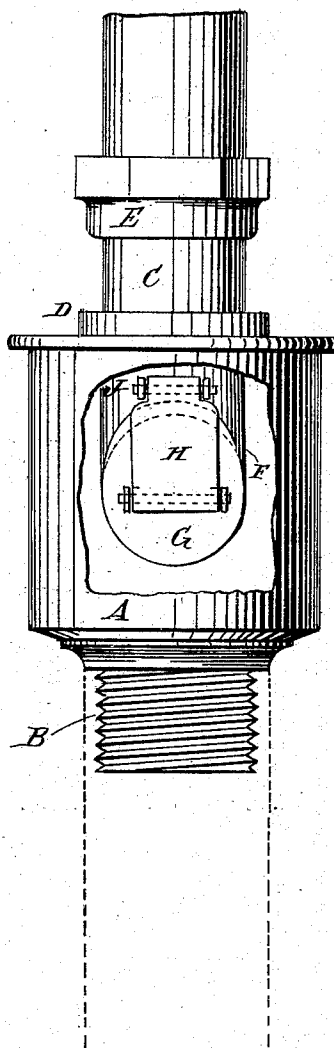


Fig. 2.



WITNESSES:

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STENCH-TRAP.

SPECIFICATION forming part of Letters Patent No. 274,139, dated March 20, 1883.

Application filed July 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, HERMAN PIETSCH, of Flatbush, in the county of Kings and State of New York, have invented a new and Improved Stench-Trap, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved trap for preventing stench and foul gases from rising in a soil or water pipe.

The nature of this invention consists of a vessel or box provided with an inlet-pipe having an elbow at its lower end, and a gate having hinged to it a strip or plate, also hinged to the pipe at a point above the elbow.

It consists, further, in the employment, in connection with the box or vessel, of the inlet-pipe provided with an elbow having a gate hung by a double-jointed hinge, substantially as hereinafter more fully set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of the trap. Fig. 2 is a longitudinal elevation of the same.

The cylindrical box A is provided on its bottom with a downwardly-projecting screw-collar, B, which is screwed in the upper end of the lower section of the waste-pipe, (shown in dotted lines.) A piece of pipe, C, projects upward from the cover D, which is screwed in the vessel or box, and the upper end of this tube is held by means of a loose screw-collar, E, of the usual construction, to the lower end of the upper section of the soil-pipe. The pipe C is extended down into the vessel or box A, and at its lower end a bend or elbow, F, is formed, which is slightly inclined downward. As the box or vessel A would have to have a considerable diameter if the pipe C were to pass

through the middle of the cover D, I have arranged it at one side, or eccentrically, as shown in Fig. 1, so that the elbow can be larger than the radius of the box. A gate, G, is hinged to a strip, H, which is hinged to lugs J, projecting from the pipe C above the elbow; or, if desired, the upper end of the gate can be hinged directly to the upper edge of the bottom opening of the elbow. The gate G closes the lower opening of the elbow automatically by the action of its own weight, and is raised or opened by the water as it passes from the lower opening of the elbow. The gate will open and close more readily, and will fit closer on the end of the elbow, if a double hinge, as shown, is used. The gate closes the lower end of the elbow so well that no gases can pass upward into the pipe C. The cover D can easily be removed if the vessel or box A is to be cleaned, &c.

The vessel A is preferably made of glass, porcelain, or like material, so that it will not be acted upon by moisture or gases.

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

1. In a stench-trap, the combination, with the box or vessel A, of the inlet-pipe C, provided with an elbow, F, at its lower end, the gate G, and the strip or plate H, hinged to the same and to the pipe C at a point above the elbow, substantially as herein shown and described, and for the purpose set forth.

2. In a stench-trap, the combination, with the box or vessel A, of the inlet-pipe C and the gate G, hinged by a double-jointed hinge, substantially as herein shown and described, and for the purpose set forth.

HERMAN PIETSCH.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.