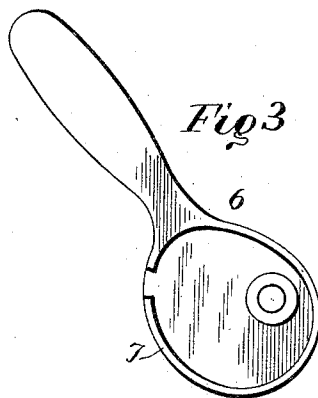
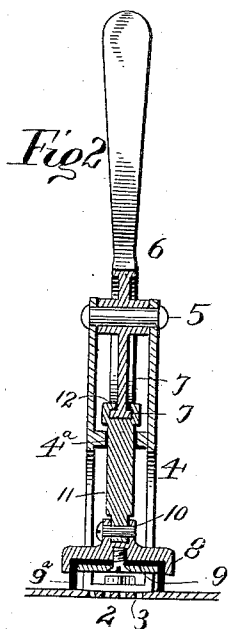
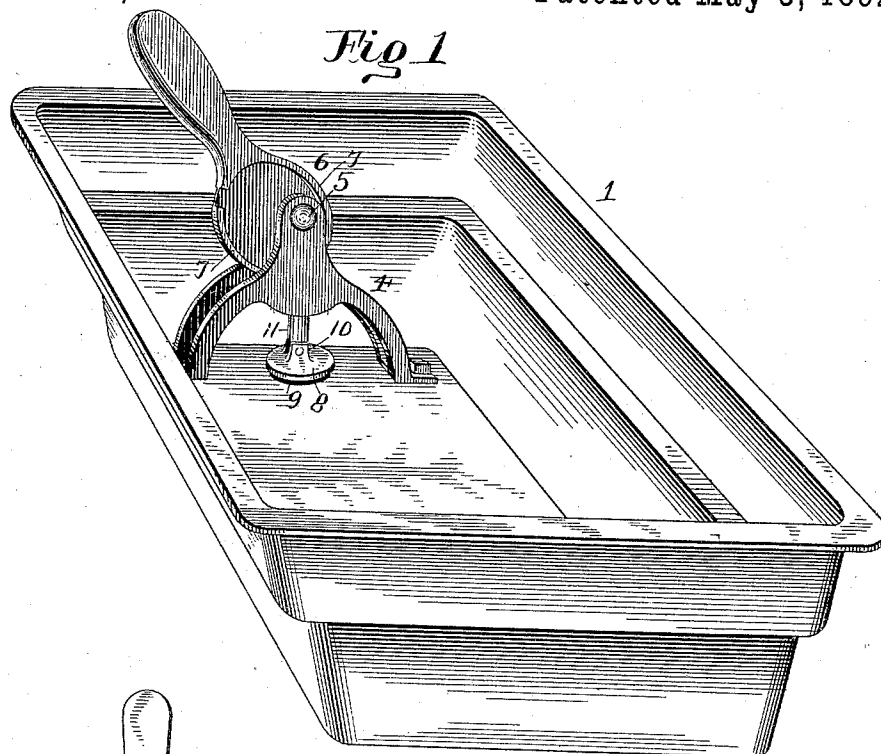


(No Model.)

W. H. MESICK.
STENCH TRAP.

No. 474,342.

Patented May 3, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. MESICK, OF LONG ISLAND CITY, NEW YORK.

STENCH-TRAP.

SPECIFICATION forming part of Letters Patent No. 474,342, dated May 3, 1892.

Application filed July 25, 1891. Serial No. 400,700. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MESICK, a citizen of the United States, residing at Long Island City, in the county of Queens and State of New York, have invented certain new and useful Improvements in Stench-Traps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in a new and improved cut-off or seal for the outlets of kitchen-sinks, &c., and is adapted to be used at the entrance of waste-pipes of all kinds where perforated plates or strainers are necessary and where plugs cannot be used on account of the presence of said strainers, and the invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view showing a sink provided with my invention. Fig. 2 is a central sectional view through the cut-off. Fig. 3 is a detail perspective of parts of my invention.

Referring to the several parts by their designating-numerals in the accompanying drawings, 1 indicates the body of a sink, which is provided at one end with the outlet-opening 2, covered by a strainer or perforated plate 3. In the end of the sink is suitably secured a bearing-arch 4, extending over and above the strainer 3, and through the upper end of which passes a transverse pivot 5. On this pivot is mounted the cam-lever 6, the flat body of which is formed with the projecting edge flange 7, which extends out at right angles on both sides of the flat body of the cam.

8 indicates a small metal cup or casing in which is secured a cushion 9, which may be made of any suitable elastic water-proof material, but is preferably made of rubber. This cushion is cup-shaped, being formed with the downwardly-extending annular rim 9^a, and is of such size that this rim will fit down around the outer edge of the perforated plate or strainer 3, which covers the outlet of the sink.

On the upper side of the metal cup 8 are formed the apertured projections 10, between

which is pivoted the lower end of a connecting-link 11, which passes through a bearing 4^a, and at its upper end is formed with the curved projections or points 12, the free ends of which extend in over the rim-flange 7 of the cam-lever. It will now be seen that by this construction when the handle of the pivoted cam-lever is turned to one side that the rubber cushion will be raised, so as to permit the water to flow freely out through the waste-opening, while by turning the cam-handle to the other side the rubber cushion 9 will be pressed firmly down, so as to not only cut off the flow of water from the sink, but to positively seal the waste-opening, so that it will be impossible for any sewer or other gas to enter the room.

In all cities large numbers of buildings used for dwellings have one or more floors or "flats" therein vacant in which a sink is located and in which the water-traps in waste-pipes are dry and useless, permitting poisonous gases to escape and menace the health of the occupants of the entire building. If in such houses there should be an additional trap in the main pipe near the sewer there still remains many feet of open pipe coated within by filth in different stages of decomposition, the effluvia from which is as offensive and detrimental to health as sewer-gas itself.

My trap absolutely prevents the escape of any gas from any pipe to which it may be applied, and when it is sealed it will remain so until the rubber cushion or seal decays or is moved from its position by force. Besides preventing the escape of gas it has the advantage of preventing the flow of water, thus materially aiding in keeping the sink fresh and clean, and as water is an absorbent of coal and other gases the atmosphere of living-rooms can be made more wholesome by keeping sinks partially filled with fresh water when not in use.

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

The combination, with a sink having a waste-opening covered by a perforated plate or strainer, of the bearing-arch 4, the metal cup 8, the rubber cushion 9, secured therein, the pivoted cam-lever having the flat body

formed with the projecting edge flange 7, and the connecting-link 11, pivoted at its lower end to the metal cup 8, and formed at its upper end with the points 12, curving inward at
5 their free ends over the edge flange 7 of the cam-lever, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. MESICK.

Witnesses:

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