

J. L. MOTT.
Sink Strainer.

No. 125,322.

Patented April 2, 1872.

Fig. 1.

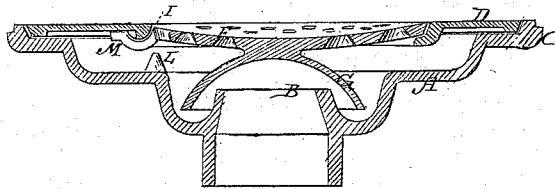


Fig. 2.

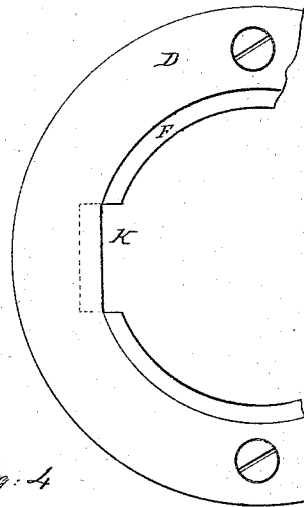


Fig. 3.

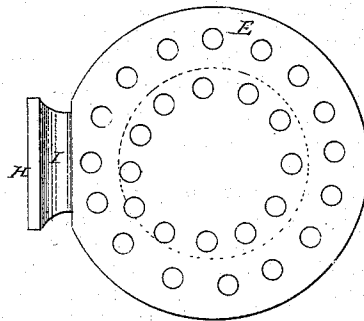
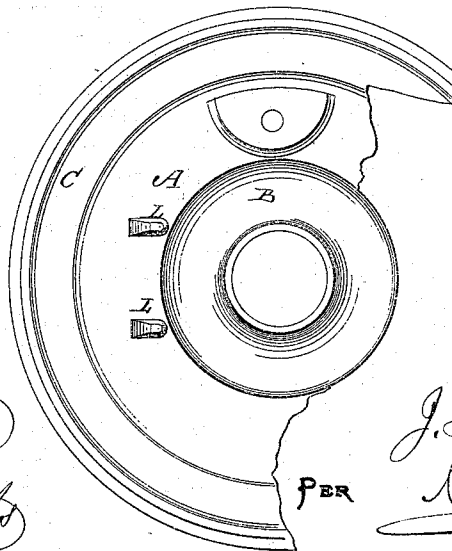


Fig. 4.



Witnesses:

Chas. Nida
Alex F. Roberts

Inventor:

J. L. Mott
Mum & Co
Attorneys.

PER

UNITED STATES PATENT OFFICE.

JORDAN L. MOTT, OF MOTT HAVEN, NEW YORK.

IMPROVEMENT IN SINK-STRAINERS.

Specification forming part of Letters Patent No. 125,322, dated April 2, 1872.

To all whom it may concern:

Be it known that I, JORDAN L. MOTT, of Mott Haven, in the county of Westchester and State of New York, have invented a new and Improved Sink-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 drawing forming part of this specification.

My invention relates to an improvement in the kind of traps that are applied to sinks, and having the perforated plate at the top made detachable for affording access to the trap for cleaning it; and it consists in having said plate hinged to the part supporting it, so that it can be opened by swinging upward on the hinges, the object being to prevent the misplacing and losing of the said plate, so often occurring when they are made detachable. The invention also consists in a novel construction of the hinge which I use for connecting the said plate to its supporting-plate, all as hereinafter described.

Figure 1 is a sectional elevation of my improved trap. Fig. 2 is a partial plan view of the ring which supports the perforated plate. Fig. 3 is a plan view of the top of the perforated plate, and Fig. 4 is a plan of the trap with the perforated plate removed.

Similar letters of reference indicate corresponding parts.

A is the pan of the trap, with the collar or ring B extending above the bottom around the escape-passage, and with the annular recess c, in which the metal ring D rests, and is secured by screws or other means. E is the perforated plate or riddle employed for separating the particles of solid matter from the water as it passes off, which plate is fitted into the annular recess F of ring D, and it carries the inverted cup G, which extends below the top of B and forms the trap, together with said extension B and the pan A. Heretofore this plate has been merely laid in the recess F, to be lifted out and laid aside when the trap

was to be cleaned out, being frequently mislaid and lost, and liable to be let fall and broken; also being frequently left out of place, allowing the trap and pipe below to get clogged up. Now I propose to have this plate hinged to the ring D to avoid these obstructions; and while I may use for this purpose any suitable hinge, I prefer to employ the one here shown, which I have specially devised for the purpose. Said hinge consists in the projection H on the edge of the plate E, the curved rib of plate D at the bottom of a recess, K, in the inner edge of ring D, and the stud L rising up from the upper surface of the part A, the said projection H having the groove I in the upper surface and the plain extension M outside of the groove, all as shown. The flange H is introduced below the curved rib J in the recess K, so that the said rib is in the groove I before the ring D is screwed down. This brings the bottom of the flange so near the upper ends of the studs L that it cannot escape from under the rib J after the ring D is screwed down, and the extension M of said flange comes against the studs L when the plate E is raised, and prevents it from swinging too far back beyond a vertical plane, beyond which it is allowed to pass only so far as is necessary for its gravity to hold it open.

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

1. In a sink-trap the perforated plate E, so hinged to the ring D as to prevent its removal without disturbing said ring, in the manner and for the purpose specified.

2. The pan A, having the collar or ring B extending above the bottom and around the escape-passage so as to form a trough therein, in combination with the hinged perforated plate E, having on its under side the inverted cap G, as and for the purpose specified.

JORDAN L. MOTT.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.