

T. H. SUTTON.
Sink-Trap.

No. 216,238.

Patented June 3, 1879.

Fig. 1.

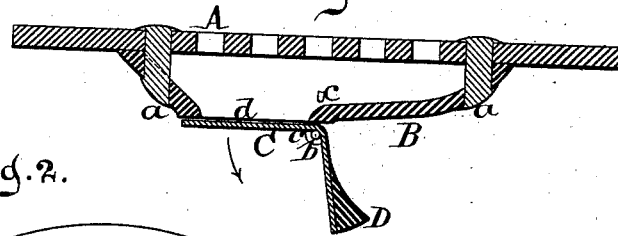


Fig. 2.

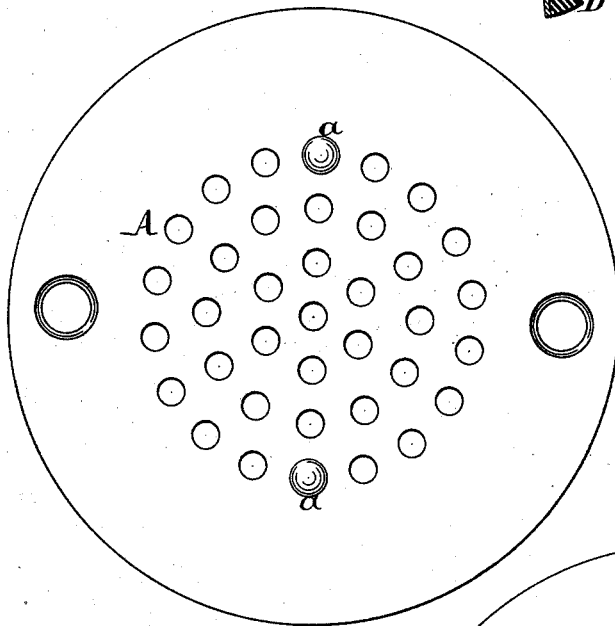
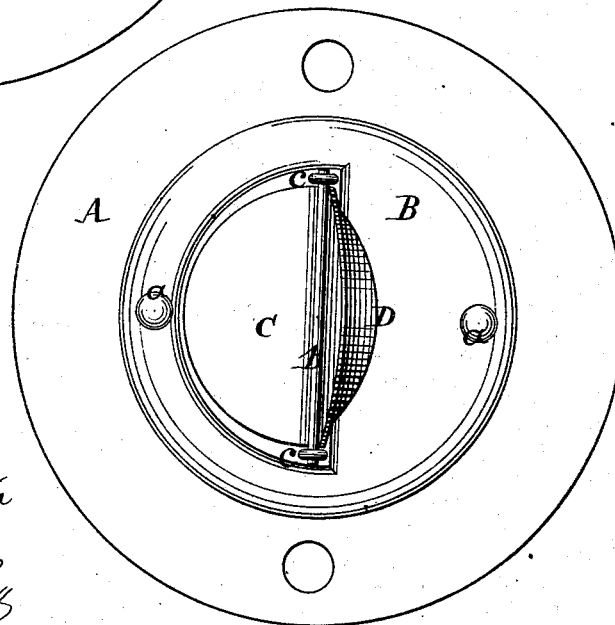


Fig. 3.



Inventor.

Thomas H. Sutton

by his attys.

Van Santvoord & Hauck

Witnesses.

Chas. Winkler

Wm. Miller.

UNITED STATES PATENT OFFICE.

THOMAS H. SUTTON, OF NEW YORK, N. Y.

IMPROVEMENT IN SINK-TRAPS.

Specification forming part of Letters Patent No. **216,238**, dated June 3, 1879; application filed December 4, 1878.

To all whom it may concern:

Be it known that I, THOMAS H. SUTTON, of the city, county, and State of New York, have invented a new and useful Improvement in Sink-Traps, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a cross-section of my trap. Fig. 2 is a plan view thereof. Fig. 3 is an inverted plan view of the same.

Similar letters indicate corresponding parts.

My invention relates to that class of traps comprising a pivoted valve held shut by the action of a weight; and it has for its object to produce a trap of this character which is not only simple in its construction and cheap, but which at the same time can be applied to a sink without disturbing the waste-pipe.

My invention consists in the combination, with a perforated plate fitted to the outlet-orifice of a sink, of a converging throat attached to said plate and a weighted valve pivoted beneath the opening in said throat and covering said opening under normal conditions, whereby I obtain a cheap and effective trap, and one which is brought to a working position by simply placing the same on the outlet-orifice of a sink.

In the drawings, the letter A designates the perforated plate. B is the converging throat, and C the valve, of my trap. The plate A has a circular shape, and the throat B is attached thereto at a short distance within its edge by rivets *a* or other suitable means. The valve C is secured to a pivot, *b*, working in lugs or staples *c* projecting from the throat B, and to the valve is secured a weight, D, having a tendency to hold the same over the opening *d* in the throat, as shown.

In applying my trap to a sink the perforated plate A is simply secured on the upper edge of the outlet-orifice therein by screws or other suitable means, when the parts are brought to a working position—that is to say, the valve prevents the escape of gas or odor from the waste-pipe, while it yields to the pressure of the waste-water, and allows the same to run off.

My trap has the advantage that it can be applied by any person to an ordinary sink, and, owing to its cheapness, the same is within the reach of the masses, among which an article of its kind is a great desideratum.

A weighted valve pivoted at one side to the lower end of a depending cylinder or chute, so that it will automatically close against said cylinder or chute, is not new; but such is not my invention, which comprises a construction and arrangement of parts to provide a simple, cheap, and efficient trap, which can be made and sold as an article, and applied to an ordinary sink.

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

The flat perforated plate A, having attached to its under side the depending converging throat B, constructed at one side of its opening *d* with the lugs or staples *c*, in combination with the valve C, pivoted to said lugs or staples, and provided with a weight, D, the whole being adapted to be placed in an ordinary sink, substantially as described.

In testimony that I claim the foregoing I hereunto set my hand and seal this 27th day of November, 1878.

THOMAS H. SUTTON. [L. s.]

Witnesses:

W. HAUFF,
CHAS. WAHLERS.