

(No Model.)

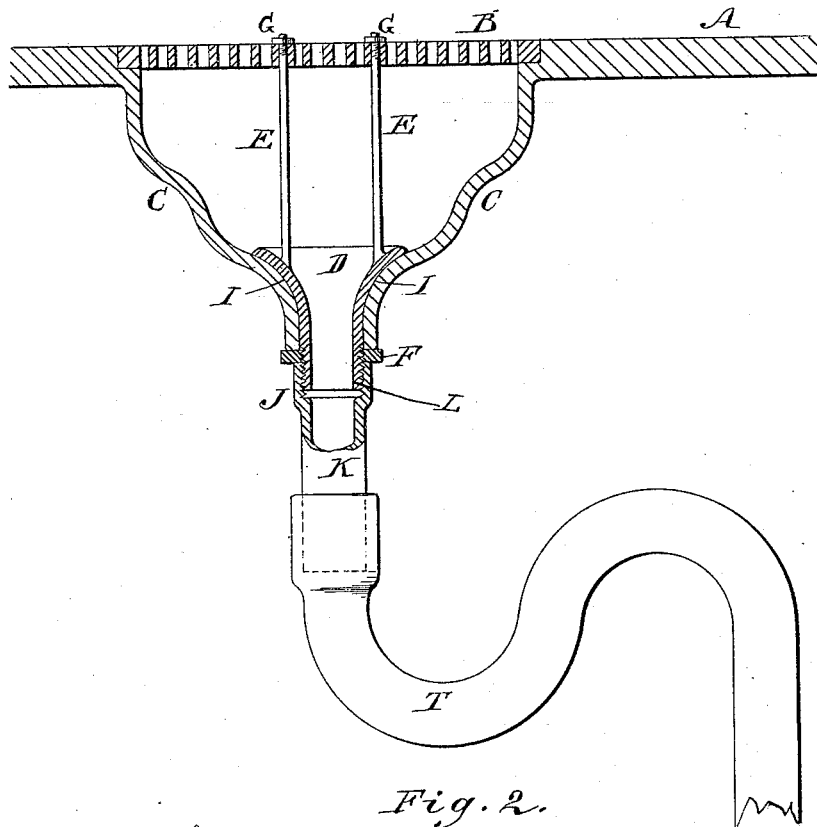
J. D. McENTEE.

SINK CONNECTION.

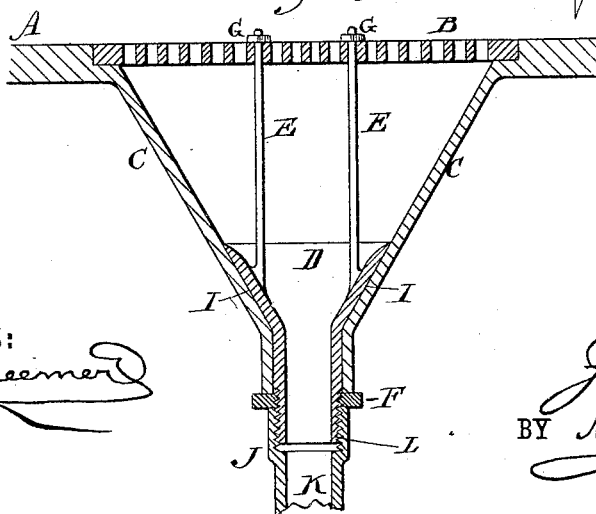
No. 342,452.

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*Fig. 1.*



*Fig. 2.*



WITNESSES:

*Doerner & Deemer*  
*W. Sedgwick*

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# UNITED STATES PATENT OFFICE.

JAMES D. McENTEE, OF NEW YORK, N. Y.

## SINK-CONNECTION.

SPECIFICATION forming part of Letters Patent No. 342,452, dated May 25, 1886.

Application filed September 17, 1885. Serial No. 177,338. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES D. McENTEE, of the city, county, and State of New York, have invented a new and useful Improvement in Sink-Connections, of which the following is a full, clear, and exact description.

This invention relates to the connections in sinks, to unite with the usual S-shaped or any other suitable trap, to be hereinafter described and claimed.

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

Figure 1 represents a vertical sectional view of the bottom of a sink having my improved connections applied thereto, the S-shaped trap being shown in elevation. Fig. 2 is a sectional view similar to Fig. 1, showing the intermediate coupling with straight sides fitted to a correspondingly-shaped conical seat in the outlet beneath the strainer, the S-shaped trap being omitted.

A in the accompanying drawings represents the bottom of an ordinary sink, of iron or any other suitable material, having the usual strainer, B, secured thereto. The outlet C of this sink, directly beneath the strainer B, is represented as terminating in a segment of an inverted cone with curved sides, to receive a correspondingly-shaped intermediate coupling, D, as shown in Fig. 1. Extending upwardly from this inverted conically-shaped coupling D are two rods, E, preferably cast upon the coupling, or may be connected therewith, to the ends of which are fitted two nuts, G, to hold the strainer in its seat in the bottom of the sink. This intermediate coupling, D, is provided with a screw-thread on the exterior of its lower end, to which is fitted a nut, F, to jam against the lower end of the outlet-shell C, to draw its inverted conical end snugly down upon its correspondingly-shaped seat I, to form a tight joint therewith. To the extended screw end L of this intermediate coupling, D, is fitted a second coupling, J, which is screwed firmly against the nut F, and to the lower end, K, of which the usual S-shaped trap, T, of lead pipe is secured either by soldering or in any other convenient manner.

If desired, the screw-joints and the surfaces between the inverted conical coupling D and its correspondingly-shaped seat in the

outlet-shell C may be covered with the usual coating of zinc-lead, to aid in obtaining a tight joint by packing, and to prevent the screw-thread from rusting.

In Fig. 2 the sides of the outlet-shell C are straight, and form an inverted conical seat to receive the correspondingly-shaped conical sides of the intermediate coupling, D.

In the manufacture of these adjustable couplings the lowermost coupling, J, is independent of the intermediate coupling, D, which is fitted and secured to the outlet-shell C, and is to be secured to the lower end, L, after the intermediate coupling, D, is in its seat and secured to the outlet C by means of the nut F, as represented in both figures; and the S-shaped trap T may be connected by being soldered in the usual manner, and the coupling J subsequently screwed to the lower end, L, of the intermediate coupling, D, as represented, which is a convenient and expeditious means of preparing and uniting this part of the escape mechanism in a sink, as represented in the drawings.

Whenever it becomes necessary to remove the S-shaped trap T for repairs, or to remove any deposit of matter therein, the lower coupling, J, is detached from the intermediate coupling, D, leaving the upper connections undisturbed; and to remove the strainer B for any purpose, it is only necessary to unscrew the nuts G from the ends of the rods E and lift the strainer off the seat. These nuts G may be countersunk into the face of the strainer, so as to leave a smooth surface, if desired. This manner of connecting and disconnecting the strainer will be found convenient and expeditious, as it may be removed and replaced without interfering with the couplings in any manner.

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

In a sink constructed and arranged substantially as herein described and shown, the conically-shaped outlet C and intermediate coupling, D, provided with upwardly-projecting rods E E, by which the strainer B is drawn firmly down upon its seat in the sink, the nut F, and independent coupling J, as and for the purpose set forth.

Witnesses: JAMES D. McENTEE.  
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