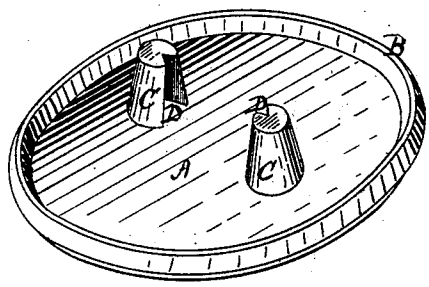
W. M. ALLEN.

Sewer-Gas Traps.

No. 206,210. Patented July 23, 1878.



Witnesses.

L. H. Latimer.

Thomas Lally.

Inventor.

Wm. M. Allen

by J. H. Adams atty.

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UNITED STATES PATENT OFFICE.

WILLIAM M. ALLEN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SEWER-GAS TRAPS.

Specification forming part of Letters Patent No. **206,210**, dated July 23, 1878; application filed May 29, 1878.

To all whom it may concern:

Be it known that I, WILLIAM M. ALLEN, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Device for Preventing the Escape of Sewer-Gas from the Overflow-Pipe of a Wash-Basin, of which the following is a specification:

The object of my invention is to provide a simple and effective means for preventing the escape of sewer-gas into rooms from the overflow-pipe of a wash-basin.

The invention consists of a flexible disk or pad of vulcanized india-rubber or other suitable material, having a projecting rim around the edge on one side, and on the same side two corrugated projections or teats, which latter are designed to be inserted into corresponding holes in the basin leading to the overflow-pipe, so as to hold the disk in place, the flexible disk adapting itself to the concave surface of the basin, and the projecting rim inclosing the area comprising the holes, so as to effectually close them, and thus prevent the escape of gas into the room. The whole is to be made in one piece by being pressed in a die.

The accompanying drawing is a perspective view of a pad embodying my invention.

A represents a thin disk or pad of flexible india-rubber, having around its edge on one side a projecting rim, B. On the same side or surface with the rim B, and forming a part of the pad A, are two projections or teats, C, arranged essentially as shown. These projections C are designed to be inserted into corresponding holes in a wash-basin that open into the overflow-pipe, so as to secure the pad in place. Two of these projections are considered sufficient for this purpose.

In order to facilitate the fitting of the projections C in the overflow-holes, and to adapt them to holes of different sizes, I make a longitudinal wedge-shaped opening, D, of which there may be one or more; or they may be corrugated for the purpose of allowing them to be compressed as they are forced into the holes, and thus more securely hold the pad in place. Instead of being notched or corrugated, the projections C may be made hollow for the same purpose.

The projecting rim or lip B entirely surrounds the area comprising the overflow-holes, and, in consequence of the flexibility of the pad, the rim B readily conforms to the concavity of the basin, and is caused to fit snugly over the surface surrounding the holes, and thus effectually prevent the escape of deleterious gases into the room.

My device is very easily applied, and can readily be removed when necessary. It is adapted to be used in basins already in use. The article is designed to be made in one piece of vulcanized india-rubber pressed in a die, and can be furnished at small cost.

The rim B may be dispensed with and a plain flat flexible pad be used.

What I claim as my invention is—

The flexible pad A, provided with the projecting rim B and compressible projections or teats C, all in one piece, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM M. ALLEN.

Witnesses:

J. H. ADAMS,

THOMAS LALLY.