

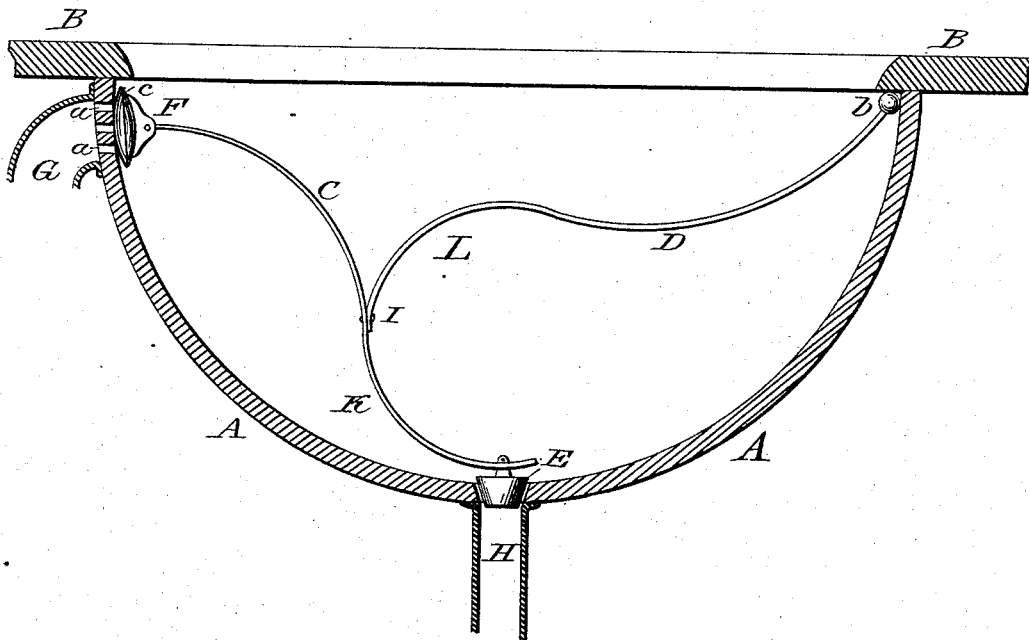
(No Model.)

P. HOFFMAN.

APPARATUS FOR THE PREVENTION OF ESCAPE OF GASES FROM  
PIPES OF WASH BASINS, &c.

No. 302,253.

Patented July 22, 1884.



Witnesses:  
*Wm L. Foley*  
*Fred. K. Gubler*

Inventor:  
*Paul Hoffman*  
by *E. J. Anderson*  
att'y.

# UNITED STATES PATENT OFFICE.

PAUL HOFFMAN, OF NEW YORK, N. Y.

APPARATUS FOR THE PREVENTION OF ESCAPE OF GASES FROM PIPES OF WASH-BASINS, &c.

SPECIFICATION forming part of Letters Patent No. 302,253, dated July 22, 1884.

Application filed February 8, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, PAUL HOFFMAN, of the city of New York, in the county of New York and State of New York, have invented a certain new and Improved Apparatus for the Prevention of the Escape of Sewer-Gas and Odors Through the Overflow and Escape Pipes of Standing Wash-Basins, of which the following is a specification, reference being had to the accompanying drawing, forming part hereof.

The object of my invention is to prevent the escape of all gases which may discharge themselves into a room through the escape and overflow pipes of standing wash-basins when not in use or filled with water. This I accomplish by means of rubber or other balls, pads, or corks held in place by steel or other metal springs.

The accompanying drawing is a vertical section of the entire apparatus.

In the drawing, A A is a section of a standing wash-basin. B B represent the usual projecting top or sides. H represents the escape-pipe, and G represents the overflow-pipe. *a a* represent the overflow-holes through the upper edge of the basin.

In order to close the overflow-holes *a a* and the escape-pipe H at the same time and by one device, I make use of a double spring, L, or two springs riveted together at a point, I, and thus having three curved parts or ends, C, D, and K. The part or spring C is provided with a small rubber ball, *b*, at the end. The part K has a rubber plug, E, secured at the end by a joint capable of allowing a small

play between spring and plug. The part D is fastened at its end to a rubber cushion, *c*, by a joint or hinge allowing very slight play. In order to prevent these springs or any part of them from swaying or bending from side to side, I make use of a flat or ribbon spring, rather than round or wire spring. The general curves of these springs, as seen in the drawing, are provided for in the manufacture of the device; but the pressure intended to be placed at the outlets of the basin is to be obtained from the strength of the spring in position, as shown.

In order to use or place this device in a basin, the plug E and cushion *c* are first placed in their respective positions to close the outlets. The part C is then pushed down until the ball or end *b* is under the ledge or overhang B, when the pressure holds all three parts or ends firmly in place. The device is removed by simply removing the end *b* and lifting the whole device from the basin.

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

A spring having three curved parts or sections, D, K, and C, as described, the part D having a cushion, the part K a plug, and the part C a ball, in combination with a stationary wash-stand, as and for the purpose set forth.

PAUL HOFFMAN.

Witnesses:

J. H. BAILEY,  
J. W. KIRK.