(No Model.)

J. CARPENTER.

CAP FOR COVERING SINK STRAINERS.

No. 249,001. Patented Nov. 1, 1881.

Fig. 1.

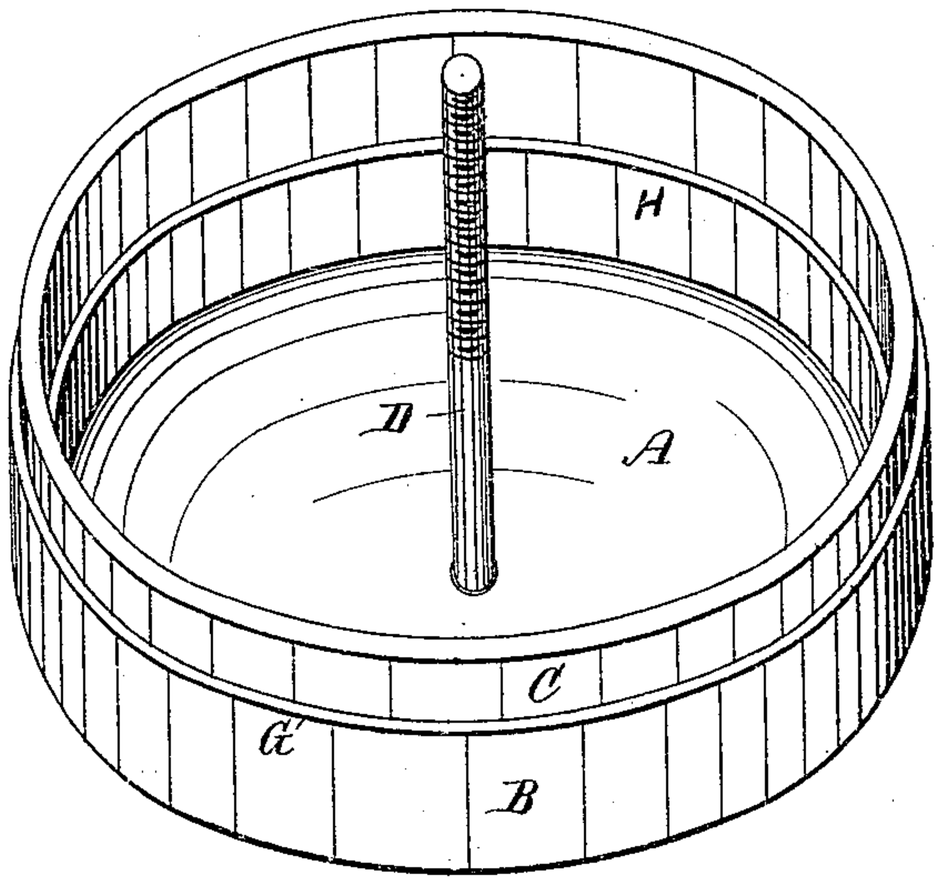
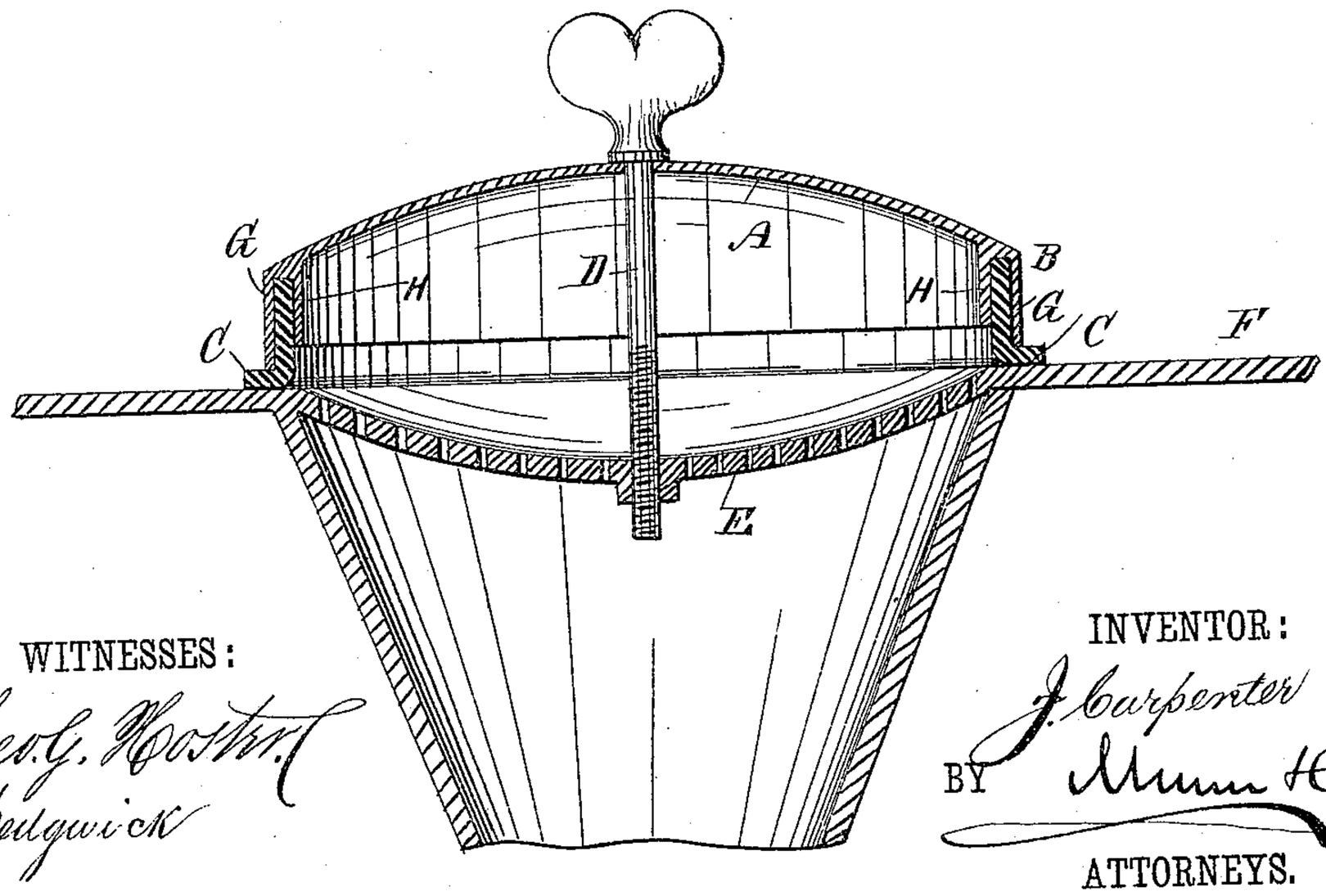


Fig. 2.



WITNESSES:

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JOTHAM CARPENTER, OF JERSEY CITY, NEW JERSEY.

CAP FOR COVERING SINK-STRAINERS.

SPECIFICATION forming part of Letters Patent No. 249,001, dated November 1, 1881.

Application filed September 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOTHAM CARPENTER, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Cap for Covering Sink-Strainers, of which the following is a specification.

The object of my invention is to prevent the escape of sewer-gas through the strainer of a sink.

The invention consists of a cap of cup shape provided with a grooved rim containing a rubber band or packing projecting from the rim, which cap is firmly held over the strainer of the sink by means of a screw passing through the cap into a threaded aperture in the center of the strainer, whereby the rubber packing will be pressed firmly on the sink and will prevent the escape of sewer-gases.

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

Figure 1 is a perspective view of my improved cap for covering sink-strainers, it being shown in an inverted position. Fig. 2 is a cross-sectional elevation of the same and of the strainer.

The cap or cup-shaped vessel A, which may be circular, oval, square, oblong, or may have any suitable shape, is provided with a longitudinally-grooved rim, B, containing a rubber band or packing strip, C, projecting a short distance from the edge of this grooved ring B. The cap A is provided with a central aperture, through which a winged screw, D, can be passed. The strainer E of a sink, F, wash-tub, wash-basin, &c., is provided with a central threaded aperture adapted to receive the screw D.

Sewer-gases are produced by the decomposition of the water in the waste-pipe, and as the water must remain in these waste-pipes some time before it can be decomposed, it will be found that the most sewer-gas is produced at night or at such times when the sink has not been used for a considerable period. To prevent the dangerous gases thus produced from passing into the bed-rooms and other rooms of a dwelling is the object of this invention.

The cap A is placed over the strainer in such a manner that the rubber band C will rest on the bottom of the sink, the screw D passing into the threaded aperture in the strainer. By turning down the screw D the cap A will be pressed firmly on the bottom of the sink, the rubber band C doubling over, as shown, and forming an air-tight joint. The sewer-gases rising through the strainer E can pass into the cap A, but cannot pass out of this cap in view of the close joint formed by the rubber band C. A like cap can be placed over the overflow-strainer, as sewer-gases are also apt to pass through the same.

The cap A is preferably made of metal, but can be made of wood, hard rubber, &c.

The outer wall, G, of the grooved rim B is higher than the inner wall, H. When the cap is held down on the sink this higher or deeper outer wall, G, presses the band C or packing-strip firmly on the sink.

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

1. As an improved article of manufacture, a cap for covering sink-strainers, consisting of a cup-shaped vessel having a grooved rim, the outer wall of which is higher or deeper than its inner wall, and provided with an elastic packing in said groove and with means for securing it to a sink, substantially as and for the purpose set forth.

2. The combination, with the cup-shaped vessel A, whose rim is provided with the higher or deeper outer wall, G, and the shorter inner wall, H, of the rubber band or packing-strip C, substantially as herein shown and described, and for the purpose set forth.

3. The combination, with the cup-shaped vessel A, of the rubber band or packing-strip C, the higher or deeper outer wall, G, of the rim, and the inner shorter wall, H, of the rim, substantially as herein shown and described, and for the purpose set forth.

4. The combination, with the strainer E, of the cup-shaped vessel A, provided with a packing, C, and of the screw D, substantially as herein shown and described, and for the purpose set forth.

JOTHAM CARPENTER.

Witnesses:

OSCAR F. GUNZ,

C. SEDGWICK.