E. S. HUNSICKER.

TRAP FOR WASHSTANDS.

APPLICATION FILED SEPT. 24, 1910.

1,014,223. Patented Jan. 9, 1912.

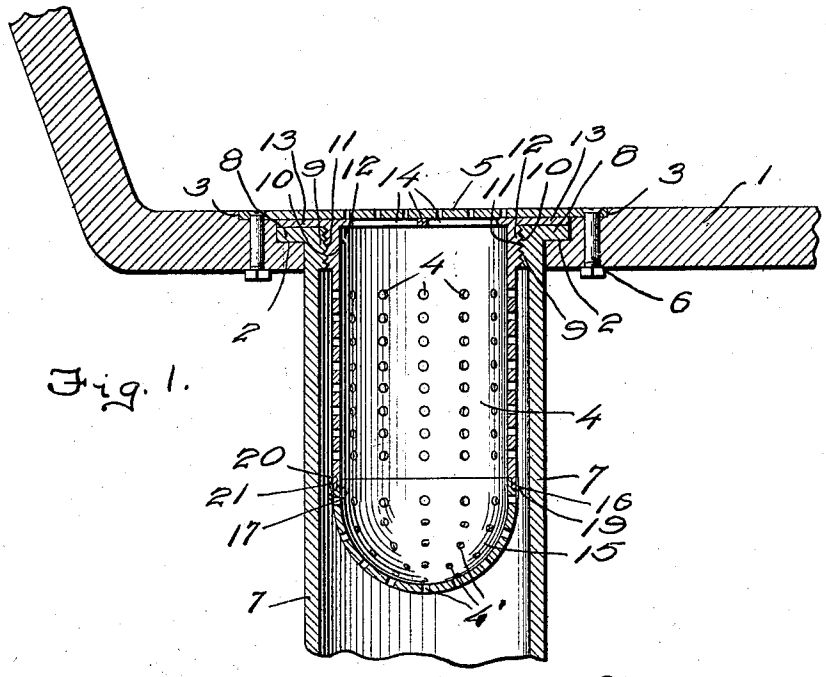


Fig. 1.

Fig. 2.

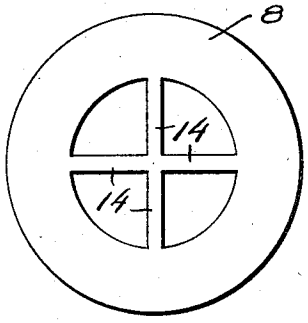
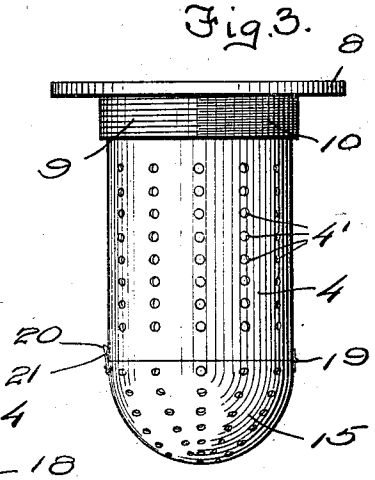


Fig. 3.



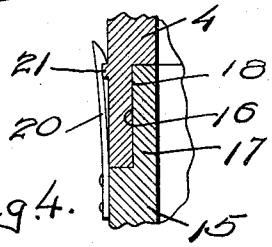


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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TRAP FOR WASHSTANDS.

1,014,223. Specification of Letters Patent. Patented Jan. 9, 1912.

Application filed September 24, 1910. Serial No. 583,660.

To all whom it may concern:

Be it known that I, EDWIN SCHALL HUNSICKER, a citizen of the United States, residing at Norristown, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Traps for Washstands, of which the following is a specification.

This invention relates to improvements in sinks and has particular reference to strainers adapted to be removably secured within a waste pipe.

The principal object of the invention is to provide a strainer which may be readily inserted into and removed from a waste-pipe.

Another object is to provide a strainer for a waste pipe, which is so constructed that matter collected therein, may be readily cleaned therefrom, when the strainer is removed from the pipe.

Other objects and advantages and details of construction, will appear from the following description.

In the accompanying drawings forming a part of this specification, Figure 1 is a vertical section through a sink and waste pipe, showing my device applied also in vertical section, the sink and waste pipe being partly broken away, Fig. 2 is a top plan view of Fig. 1, the cover being removed, Fig. 3 is a side elevation of the strainer removed from the waste-pipe, Fig. 4 is a fragmentary view showing the fastening device for the hinged bottom.

Referring particularly to the drawings, 1 represents a portion of a sink, in which is formed the larger recess 2 and the smaller recess 3, in the larger one of which is adapted to be suspended, a strainer 4 made in accordance with my invention. In the smaller recess is secured the perforated cover 5 of usual construction, and which may readily me removed by the removal of the fastening bolts 6.

In the waste-pipe 7, which has an annular flange 8 at its upper end by means of which it is suspended on the ledge 2, is adapted to be placed a strainer. Near the upper end of the waste-pipe is an annular and interiorly arranged enlargement 9, which has formed therein, the internal threads 10 which are adapted to receive the corresponding threads 11 on a similar enlargement 12 formed exteriorly of the strainer 4, and directly beneath the flange 13, which rests on the flange 8 of the waste-pipe. Formed integrally with the upper end of the strainer, are the cross bars 14 between which is adapted to be inserted an instrument to effect the unscrewing of the strainer from the pipe. When the bars 14 are used, the cover 5 is dispensed with, and the waste passing therethrough into the strainer, the liquid passing out through the openings 4′ and the settlement collecting in the bottom 15 of the strainer.

The lower edge of the upper portion of the strainer is formed with an interiorly arranged, annular recess 16, which is adapted to receive the reduced portion 17, which is annular and formed by an exteriorly arranged recess 18 on the upper edge of the bottom 15. The bottom is hingedly connected at one point to the edge of the upper part of the strainer, as at 19. On the side of the bottom, opposite to the hinge, is a spring latch 20, having an arrow head adapted for engagement with an integral lug 21 formed on the lower edge of the upper portion of the strainer. The bottom 15 is of inverted dome shape and also provided with the openings 4′. When the strainer is removed from the waste pipe, the bottom 15 is let down, which permits ready access to said bottom to remove the collection of sediment therein.

The enlargements 9 and 12 space the waste-pipe and strainer a suitable distance apart, as shown at 22, to permit the liquid to run down the pipe from the openings 4′.

It will thus be seen that I have provided a simple, and cheap strainer for waste-pipes, and one which is readily removed and cleaned, by means of the hinged bottom. The strainer may be easily removed from the pipe without the requirement of any special tools. This device also obviates the necessity of the use of traps in the waste-pipe, the strainer serving this purpose.

What is claimed is;

1. The combination with a sink having an opening therein, an annular ledge surrounding said opening, and a waste-pipe suspended on said ledge, of a strainer adapted to be secured within said waste-pipe and comprising an upper perforated tubular section, said section having a horizontal flange adapted to rest on the upper edge of said waste-pipe, a screw threaded enlargement interiorly of said waste-pipe and near its upper end, a screw threaded enlargement exteriorly of said tubular section disposed be-

neath said flange and adapted for engagement with the first-named enlargement, integrally formed cross bars on the upper end of said tubular section, and a perforated inverted dome shaped bottom hingedly connected to the lower end of said tubular section.

2. The combination with a sink having an opening therein, an annular ledge surrounding said opening, and a waste-pipe suspended on said ledge, of a strainer adapted to be secured within said waste-pipe and comprising an upper perforated tubular section, said section having a horizontal flange adapted to rest on the upper edge of said waste-pipe, a screw threaded enlargement interiorly of said waste-pipe, a screw threaded enlargement exteriorly of said tubular section disposed beneath said flange and adapted for engagement with the first-named enlargement, said first-named enlargement being disposed interiorly of said tubular section integrally formed cross bars on the upper end of said tubular section, a perforated dome-shaped bottom hingedly connected to the lower end of the tubular section, the lower portion of the upper section being formed with an integral annular recess, said bottom having a reduced annular lip adapted to enter said annular recess in the upper section, an integral lug on the outer face and near the lower end of said section, and a spring latch secured near one edge of said bottom and adapted to engage with said lug to retain the said bottom in engagement with the upper section.

In testimony whereof I affix my signature, in the presence of two witnesses.

EDWIN SCHALL HUNSICKER.

Witnesses:

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MARY A. BIDDLE.