June 22, 1937. C. J. FRANKENBERGER 2,084,437

TUB OR BASIN FITTING

Filed Feb. 26, 1937

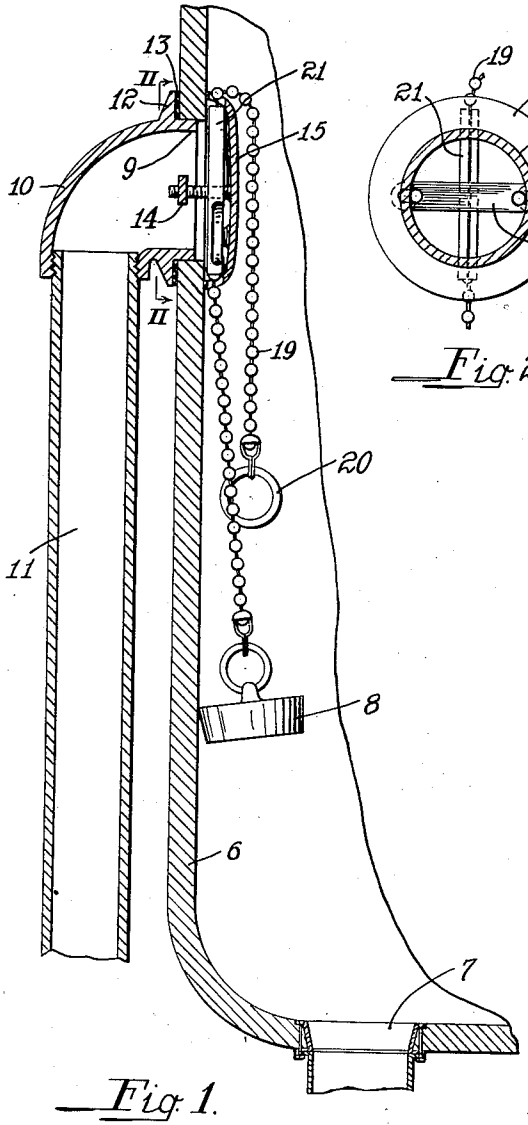

Fig. 1.

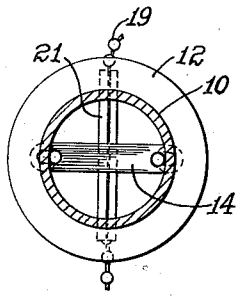

Fig. 2.

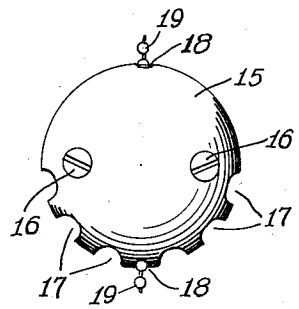

Fig. 3.

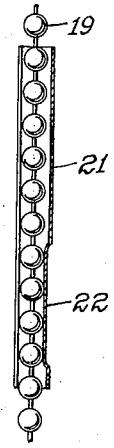

Fig. 4.

INVENTOR

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2,084,437

TUB OR BASIN FITTING

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Application February 26, 1937, Serial No. 127,861

4 Claims. (Cl. 4—204)

This invention relates to bath and other tub and basin fittings and more particularly to overflow outlet fittings for tubs or basins having a removable stopper for the drain outlet thereof.

An object of the invention is to produce an improved means for supporting the stopper chain of bath and other tubs and basins utilizing a removable stopper for the drain outlet thereof.

Another object is to produce an improved shield or cover and stopper chain support for the overflow outlet of bath tubs.

A further object is to produce a bath tub fitting comprising a shield or cover for use with an overflow outlet L and which is provided with means for yieldingly holding the stopper chain in the position to which it is manually adjusted.

These, as well as other objects which will readily appear to those skilled in this particular art, I attain by means of the structure described in the specification and illustrated in the drawing accompanying and forming part of this application.

In the drawing:—

Figure 1 is a side view in sectional elevation of a portion of a bathtub showing the drain outlet, the overflow outlet, the overflow pipe and the device embodying this invention attached in place and covering or shielding the overflow outlet;

Fig. 2 is a detail view taken on line II—II of Figure 1 looking toward the right;

Fig. 3 is a front face view of the shield or cover for the overflow outlet; and

Fig. 4 is an enlarged detail view of the chain retainer located within the shield or cover.

The tub 6 is provided with the usual drain outlet 7 which is adapted to be closed by means of a rubber or other yieldable stopper 8. The tub at the desired height is provided with a circular overflow outlet opening within which is positioned the cylindrical end 9 of an L fitting 10. The other end of this L is internally threaded to receive the threaded end of an overflow drain pipe 11. The L fitting is provided with an annular flange 12 and between this and the outer surface of the tub surrounding the overflow opening an annular packing member 13 is placed. The L is also provided with a cross bar 14 which when the L is in place occupies a horizontal position as shown.

A shallow hollow shield or cover member 15 is secured in place over or in front of the overflow opening by means of two screws 16 which are threaded into tapped holes in cross bar 14.

These screws project through countersunk holes in the curved side surfaces of the shield and since the heads of the screws are flush with these surfaces, the axes of the tapped holes in the cross bar 14 converge as indicated in Fig. 2, in order to receive the screws.

The peripheral edge of the lower half of the shield is provided with a series of drain channels 17 and the shield on its vertical center line is provided with aligned chain holes or openings 18. A flexible chain 19 made up of articulated spherical members passes through these holes and at one end carries stopper 8 and at the other a ring 20.

Located within shield or cover 15 and surrounding chain 19 is a chain retaining member 21. This member comprises a short length of butted tubing (preferably brass) and on the side opposite the tube seam the tube wall is flattened or collapsed as shown at 22. The flattened or collapsed part causes the chain throughout the length of the collapsed or flattened part to be gripped. This gripping is such that that portion of the chain within the collapsed portion of the tubular retainer tends to spread or open the tube seam. In order to place the chain within the retainer, it is necessary to open or separate the abutting edges of the tube.

With the chain in the position shown in the drawing, it is necessary, in order to place the stopper in the drain opening, to pull the chain down through the shield and then in order to raise the chain to the position shown, it is necessary to pull the chain up through the shield. The chain retainer offers sufficient resistance to the movement of the chain therethrough to more than offset the weight of the stopper.

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

1. The combination with a tub or basin overflow outlet shield or cover provided with aligned oppositely arranged openings, of a stopper chain passing through said openings and a chain retainer within the shield or cover and arranged to yieldingly resist movement of the chain through the shield or cover.

2. The combination with a tub or basin overflow outlet shield or cover provided with aligned oppositely arranged openings, of a stopper chain passing through said openings and a tubular chain retainer within the shield or cover and arranged to yieldingly resist movement of the chain therethrough.

3. The combination with a tub or basin having a discharge opening, a stopper for such opening and an overflow outlet, of a shield or cover for

said outlet and provided with a series of outlet openings or channels in its lower half and aligned centrally located top and bottom openings, a flexible chain secured to said stopper and extending through said aligned openings and a tubular chain retainer surrounding said chain within the shield or cover and yieldingly resisting movement of the chain therethrough.

4. The combination with a hollow shield or cover for a tub overflow outlet, of a drain outlet stopper, a chain for said stopper extending through aligned openings in the top and bottom walls of said shield or cover and a tubular chain retainer surrounding the chain within the shield or cover and having a constriction therein for causing yielding resistance to free movement of the chain through the tubular member.

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