

W. H. PERKINS.

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Fig. 1.

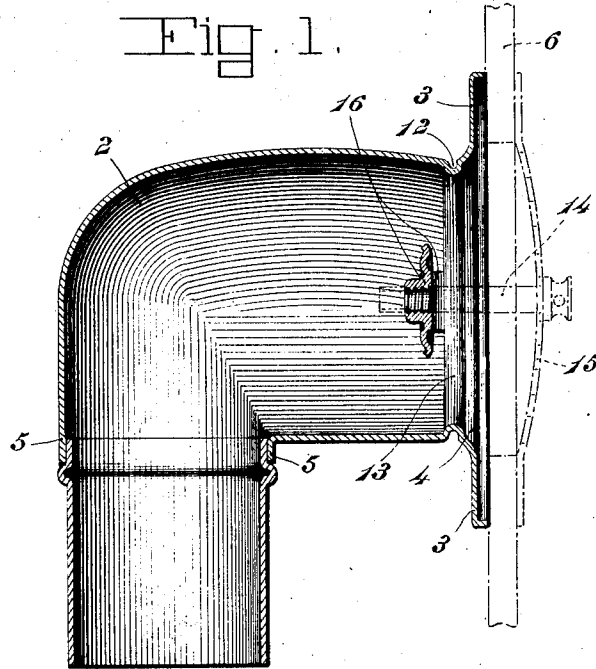
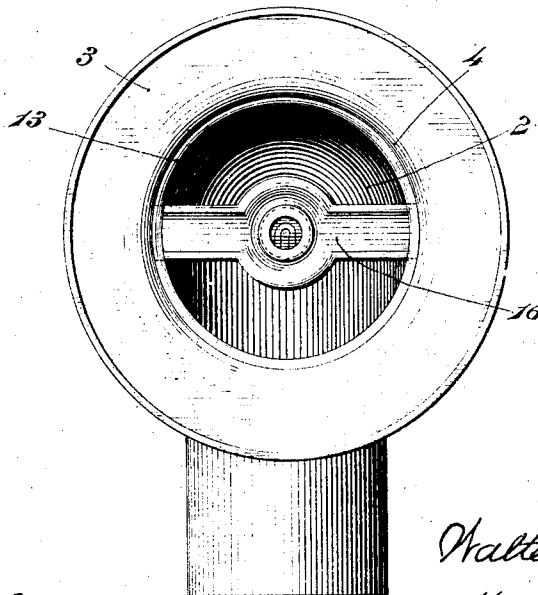


Fig. 2.



Witnesses

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To all whom it may concern:

Be it known that I, WALTER H. PERKINS, a citizen of the United States, residing at Watertown, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in L's, of which the following is a specification.

This invention relates to improvements in L's, designed for use in connection with various sanitary appliances, and the invention relates particularly to L's for receiving the waste and over-flow from bath-tubs, sinks and the like.

The features and parts of the invention will be understood from the detailed description which follows, and by reference to the accompanying drawing, which forms a part of this specification, and in which:—

Figure 1 is a front face view of the over-flow L. Fig. 2 is a central section, taken on line 2—2 of Fig. 1; showing the construction and application of the over-flow L.

Similar characters of reference are assigned to corresponding parts of the several views.

Heretofore, sheet or wrought metal L's, used in connection with bath-tubs, sinks and the like, consisted of two or more parts, which were made separately and then fastened together by various means for making up the complete devices. To make, assemble and finish the several parts under the older styles of over-flow L's requires considerable time, labor and material, which necessarily increases the cost of the production of the said devices, and besides most of the said fittings are more or less complicated and clumsy.

It is an object of the present invention to provide over-flow L's for use in connection with bath and sink fixtures, wherein the L consists of but a single part, which is formed up by means of suitable dies and tools, whereby I am able to produce L's of the class, which are lighter, stronger and simpler, and which can be made at smaller cost, than any of the older devices known to me.

In the drawing, 2 represents the body or shell of the L, which is preferably made in one part, from a plain piece of sheet metal, which is pressed and rolled and formed into

a hollow body, having a smooth exterior and interior, as shown.

3 represents an integral flange which surrounds and over-hangs a broad flaring mouth 4. The flange 3 may be dished or recessed, as shown in Figs. 1 and 2, to receive a packing (not shown), or the said flange may be made plain and flat.

5 represents a laterally arranged tubular neck, which is preferably formed by drawing out the metal at right angles to the axis of the body 2, to which a waste or other pipe may be attached in any suitable manner. The bottom or back of the neck 5 is preferably disposed in the same plane as the bottom or back of the body 2, for effecting complete draining and self-cleaning of the fitting.

To adapt my improved L for use in connection with the over-flow of bath-tubs and sinks, I provide, by means of spinning or rolling, a plain and comparatively narrow semi-circular groove 12, which produces a corresponding bead or rib 13 around the inner surface of the body, just back of, and concentric to the flange 3 of the L. The over-flow L is generally attached to the vessel by means of a bolt 14 which pierces a strainer 15, then passes through a hole in the wall of the vessel 6, and is screwed into a bridge 16, which is disposed diametrically across the interior of the body of the L. The bridge 16 has a length equal to the largest diameter of the body of the L, and is preferably disposed behind the rib 13, which serves as a stop, for preventing the bridge from being accidentally displaced or pulled out through the mouth of the L, when the bolt 14 is screwed in to clamp the parts to the vessel. After the bridge is placed in position, its opposite ends are usually soldered to the walls of the body 2. By the provision of the inwardly facing rib 13, the bridge 16 may be made out of narrow strip of sheet metal, which may be readily and securely applied to the L.

Under my improved construction and arrangement, the body of the L may be made of lighter gage of metal, and yet have the same or even greater strength, than where two or more separate parts are joined together. Aside from the feature of constructing the L in one part, a peculiarly

novel and valuable feature of the L of the present invention consists in providing the integral rib 13, which affords novel, simple and effective means for connecting the securing devices or parts directly to the body of the L.

This application is filed as a division of my application filed September 9, 1911, Serial Number 648,439.

10 Having described my invention and set forth its merits what I claim is:—

1. A wrought metal L, comprising a hollow body having a flaring mouth surrounded by a dished flange, and having the metal of the body adjacent the said flange depressed inwardly to form a concavo-convex rib, the said rib encircling the interior of the body and having a less diameter than the said

mouth and adapted to prevent the accidental withdrawal of parts connected to said body. 20

2. An L, comprising a wrought metal body, having a circular mouth and a laterally drawn tubular neck and a part of the metal of the body between the said mouth and the said neck depressed inwardly to form an internal annular rib, and a bridge capable of being disposed diametrically in the said body and to be held from displacement by said rib. 25

In testimony whereof I affix my signature 30 in presence of two witnesses.

WALTER H. PERKINS.

Witnesses:

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