A. ROGERS.

WASHBASIN.

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1,408,402. Patented Feb. 28, 1922.

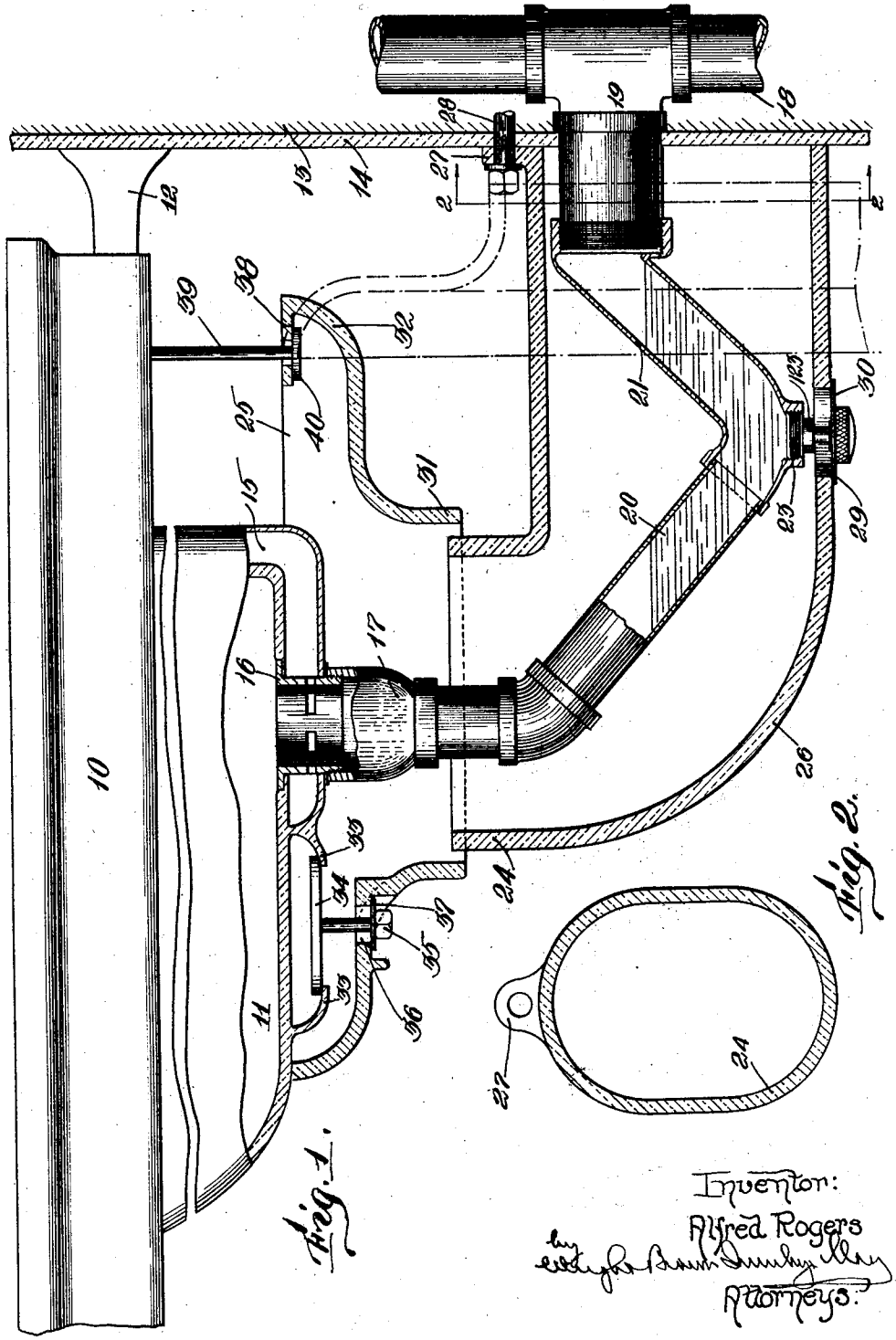


Fig. 1.

Fig. 2.

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UNITED STATES PATENT OFFICE.

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WASHBASIN.

1,408,402. Specification of Letters Patent. Patented Feb. 28, 1922.

Application filed June 17, 1920. Serial No. 389,590.

To all whom it may concern:

Be it known that I, ALFRED ROGERS, a citizen of the United States, residing at Milton, in the county of Norfolk and State of Massachusetts, have invented new and useful Improvements in Washbasins, of which the following is a specification.

This invention has relation to wash basins and has for its object to provide a tubular concealing casing or housing of non-corrodible material for covering the outlet or waste pipe connections, and means for securing the casing in place.

On the accompanying drawing,—

Figure 1 illustrates a wash basin equipped with an embodiment of the invention, the casing, a part of the basin and a part of the outlet or waste pipe being shown in section.

Figure 2 represents a section on the line 2—2, of Figure 1, omitting the soil pipe coupling.

On the drawing, I have illustrated a wash basin comprising a slab 10, and a bowl 11, both of which may be formed of enameled iron or vitreous ware in such suitable shape as may be desired. The slab is shown as being supported by one or more brackets 12 which project forwardly from the wall 13 having a tile or plaster finish 14. The basin is illustrated as provided with an overflow conduit 15 and with the nipple 16 which is adapted to receive the usual plug or stopper, not shown, the nipple being laterally perforated to communicate with the overflow conduit, and being threaded for engagement with the end section or fitting 17 of the waste pipe. Between the soil pipe 18, in the rear of the wall, which has the lateral branch 19, and the section 17, the waste pipe is provided with the angular sections 20, 21, which constitute the trap. The elbow of the trap has a threaded aperture, closed by the removable clean-out plug 23, which is formed with the usual boss 123. In lieu of the particular form of waste pipe and trap, which I have presented for the purposes of illustration, it is of course evident that other suitable forms may be substituted.

The casing or housing for the waste pipe is preferably formed in two detachable sections, of which one is adapted to extend into the other and capable of adjustment thereto to accommodate variations in the relative locations of the basin and the trap. These two sections are indicated, as a whole at 24, 25, and they are preferably made of porcelain, vitreous ware or other equivalent material which will not corrode when exposed to air and moisture, such, for example, as enameled iron. The section 24 consists of a pipe section, shown in Figure 2, as elliptical in cross section, and having its major diameter long enough to receive the trap. Its front end terminates in an elbow 26, of which the axis is perpendicular to that of the main body thereof. At its rear end, the section 24 has a right-angled perforated ear or lug 27, through which a screw of other fastening 28 may be driven into the wall, so as to support it as shown, with its end in engagement with the face of the wall. In order that access may be had to the clean-out plug, the section 24 has an aperture 29, with which the plug registers. This aperture is normally closed by a disk cap 30, through which a screw, having a knurled head or knob is passed into the boss 123 of the clean-out plug, and thus the section 24 receives additional support.

The second section 25 of the casing is shaped somewhat like an elliptical disk. That is it has a portion 31 into which the upright extremity of the elbow 26 of section 24 may extend. The section 25 then flares first outwardly and then upwardly as at 32, and terminates in a plane parallel to that of its lower end and perpendicular to its axis or median line. The flaring upper end of the section 25 is adapted to bear against the bottom of the bowl and to extend rearwardly therefrom, and thus to enclose the fitting 17 and the upper end of the waste pipe. For supporting the section, any suitable means may be employed, such as those illustrated. In this case, the bottom of the bowl is formed with ears or lugs 33, 33, which project towards each other, to receive a plate or bar 34, into which a screw 35 may be passed through an aperture 36 in the casing section 25. A washer 37 engages the head of the screw, being located outside of the aperture, as shown. By these means the front part of the casing or housing section 25 is secured to the under side of the basin. At its rear part, the said section is provided with a reentrant apertured lug 38 through which a long screw or bolt 39 may be passed into engagement with a nut 40, the upper end of the screw being anchored to the slab in any suitable way, as a result of which the rear side of the housing section 25 is held in place and supported. It is evident

that, on releasing the upper section 25 from the bowl, it may be swung downwardly and rearwardly to occupy the position shown in dotted lines and thus expose the under side of the bowl and the slab.

From the foregoing description, it will be apparent that the waste pipe, including the trap, are completely concealed within a housing, the two sections of which are in overlapping or telescoping relation, and that they are supported independently of each other, so that any sagging of the basin in respect of the wall or the soil pipe will cause no damage thereof, since one can move relatively to the other.

Having thus explained the nature of my said invention and described a way of making and using the same, although without attempting to set forth all of the forms in which it may be made or all of the modes of its use, what I claim is:—

1. The combination with a wash basin and an associated waste pipe therefor which has a horizontal outlet portion, of a tubular housing of non-corrodible material enclosing and concealing said waste pipe from end to end, said housing being formed in separable sections with overlapping ends.

2. The combination with a wash basin and an associated waste pipe therefor which has a horizontal outlet portion, of a tubular housing of non-corrodible material enclosing and concealing said waste pipe from end to end, said housing being formed in separable sections with overlapping ends, and means for supporting said sections independently of each other.

3. The combination with a wash basin and an associated waste pipe therefor having a horizontal outlet, of a tubular housing of non-corrodible material enclosing and concealing said waste pipe, said housing being formed in separable sections with overlapping ends, means for attaching one of said sections to the basin, and means for attaching the other section to a vertical supporting wall.

4. A housing for the waste pipe connection of a wash basin, comprising a tubular housing formed in separable telescoping sections, one of said sections having a flaring end for engaging the under side of the basin, and the other formed with an elbow and provided with means for securing its end to a vertical supporting face.

5. A housing for the waste pipe connection of a wash basin, comprising a tubular housing formed in separable overlapping sections, one of said sections having a flaring end for engaging the under side of the basin, and the other formed with an elbow, said sections being formed with ears or lugs by which they may be separately attached to suitable supports.

6. The combination with a wash basin and the associated waste pipe, of a tubular housing of non-corrodible material enclosing and concealing said waste pipe, from end to end, and means for securing the opposite ends of said housing to the basin and a vertical wall respectively.

7. The combination with a soil pipe having a lateral branch pipe, a wash basin, and an associated waste pipe and trap connected to said basin and branch pipe, of a detachable tubular housing enclosing said branch pipe, trap and waste pipe, and formed with an elbow, and means for attaching the opposite ends of said housing to said basin and a vertical wall.

In testimony whereof I have affixed my signature.

ALFRED ROGERS.