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FOLDABLE SINK

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Fig. 1.

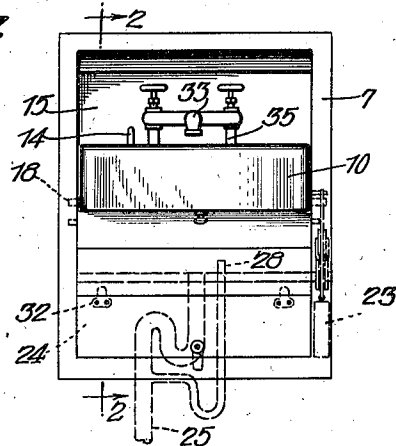
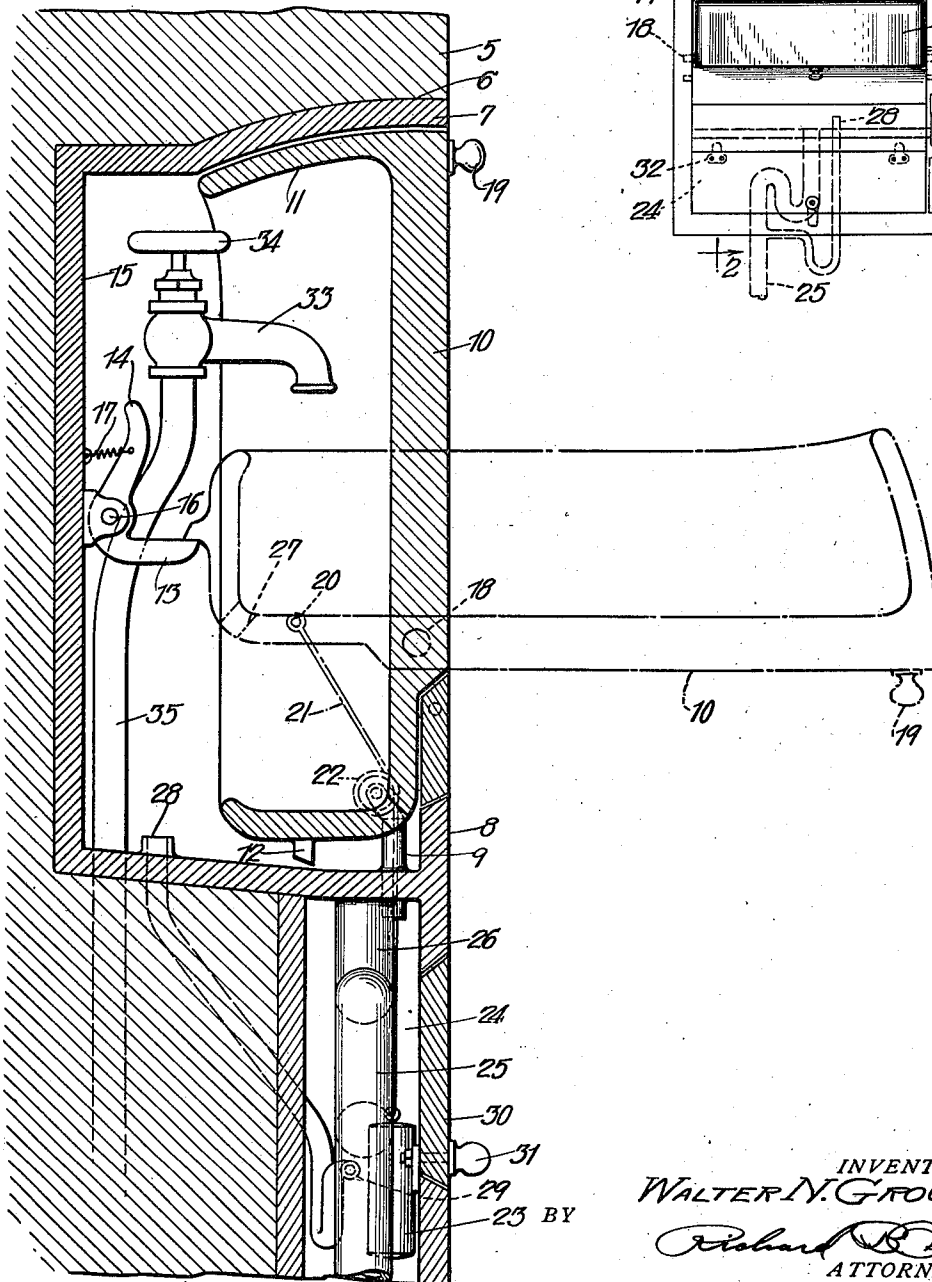


Fig. 2.



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FOLDABLE SINK.

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This invention relates to folding sinks and in particular to a sink adapted for use in small apartments and other crowded dwelling places where space is at a premium.

5 A particular object of the invention is to provide a sink which may be incorporated in a wall and which may be folded up to position so that it is out of sight and consequently may be used in a living room or in
10 a small kitchenette without defacing the appearance of the wall thereof.

A still further object of the invention is to provide a sink which will be self-emptying, can be made large enough to accommodate
15 dishes or other implements to be washed, can be so arranged that the overflow thereof on to the floor of the room, is prevented and which can be maintained in proper position for convenient use.

20 To enable others skilled in the art to fully comprehend the underlying features of my invention that they may embody the same in the various modifications in structure and relation contemplated, a drawing depicting
25 a preferred form has been annexed as a part of this disclosure and in such drawings, similar reference characters denote corresponding parts throughout all the views, of which,

30 Figure 1 is a view in front elevation of my improved folding sink showing how the same would appear when opened and ready for use, and

Figure 2 is a sectional view taken on the line 2-2 of Figure 1, on an enlarged scale to show the construction of my improved dis-
35 appearing sink.

Referring to the drawing in detail, 5 indicates a wall partition or other building construction which is provided with a pocket in the front face thereof, the same being suit-
40 ably cut out as at 6 to receive the sink housing 7 which may be of cast metal, porcelain or other suitable substance and may be positioned in the wall so that the front edges are
45 flush with the surface of the wall so that a sink held therein may be moved pivotally to a position to extend beyond the surface of said wall.

50 The housing 7 is provided on its bottom, front edge with an upwardly and downwardly depending flange portion 8 and also with a tubular extension 9 adjacent said flange 8. The upper part of the flange 8 provides a dam so that any overflow from
55 the sink proper or any stoppage of the drain pipe will be prevented from running over the

sink receptacle or housing. The sink body, which is substantially rectangular formation, and indicated by the numeral 10 is provided at its front with an arcuate shaped
60 front portion 11 and at its rear with an extended lip 12 which is arranged to snap under the projected portion 13 of a latch 14 which is pivoted to the inner wall 15 of the housing 7 as at 16 in a suitable bracket, the
65 projection 13 being normally maintained in its horizontal position through the medium of a coil spring 17. The sink 10 is pivoted at its sides as at 18 in the side wall of the housing 7 so that the same can be moved to
70 the position shown in full lines in Figure 2 and when desired for use, may be drawn down to the position shown in dotted lines in said figure, this being accomplished through the medium of a suitable knob 19
75 secured to the bottom of the sink adjacent the outer end thereof.

In order to counterbalance the overhanging portion of the sink, I have connected to the inner end thereof as at 20, a counter-
80 weight cord or rope 21 which passes over a suitable pulley 22 positioned at the side of the sink within the housing 7 and so arranged that the cord 21 will pass through the tubular member 9 disposed adjacent
85 the flange 8 of the housing 7, this tubular member 9 forming a guide for the counterweight cord 21 to the lower end of which is positioned the counterweight 23 which makes
90 pivotal operation of the sink comparatively easy.

A suitable compartment 24 is provided beneath the sink housing 7 and in which is positioned the trap 25 of the drain pipe 26, the upper end of which is pivotally connect-
95 ed in the bottom of the housing 7 so that overflow from the sink, which is permitted through the medium of the opening 27 in said sink may be drained out of the hous-
100 ing 7, the overflow in the housing 7 being taken care of through the medium of an auxiliary drain pipe 28 positioned in the bottom of the housing 7 and joining the trap as at 29. In order that the weight and the
105 trap may be reached, I have provided in the front wall, a suitable door 30 and pivot lock 31 in connection with the door, whereby the same may be moved on its hinges 32 to afford access to the chamber 24.

110 It is evident, therefore, that I have provided a housing 7 in which a sink may be held in pivotal relation so that the same

when not in use may be folded up and when adapted for use may be drawn down through the medium of the handle 19 until the lip 12 thereof catches under the latch extension 13 and is held in its extended position, at which time water may be drawn into the sink from the faucet 33 which is positioned in the housing 7 and so arranged that operation of the faucet wheel 34 will cause the water to enter through the supply pipe 35 and through the faucet extension 33 so that the sink may be filled with water and used for any purpose desired.

It is evident, therefore, that I have provided a new and improved sink which may be folded out of sight when not in use, which will require a minimum of space and mechanical parts to construct and operate.

A still further advantage of my invention is that the improved sink may be used in small apartments or where space is limited and when not in use may be folded up out of the way.

It is quite evident, also, that the sink may be used in small apartments and when the same has been folded to its position for non-use, a curtain or other decorative article may be hung over the same, thus concealing the housing 7 and the sink.

While I have illustrated and described my

invention with some degree of particularity, I realize that in practice various alterations therein may be made. I therefore reserve the right and privilege of changing the form of the details of construction or otherwise altering the arrangement of the correlated parts without departing from the spirit of the invention or the scope of the appended claim.

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

A foldable sink comprising a housing embedded in a wall and having a drain outlet, a sink having a drain opening therein pivoted in the housing and movable to a position flush with the wall whereby it forms a closure for the housing, a counterweight for keeping the sink normally in its closed position, a faucet in the housing, a lip on the sink, a yieldable latch in the housing arranged to be engaged by said lip for retaining the sink in its open position and in position to receive the flow from the faucet against the normal closing action exerted by the counterweight, and an auxiliary housing adjacent said sink housing in which said counterweight is positioned.

In testimony whereof I affix my signature.

WALTER N. GROVER. [L. s.]