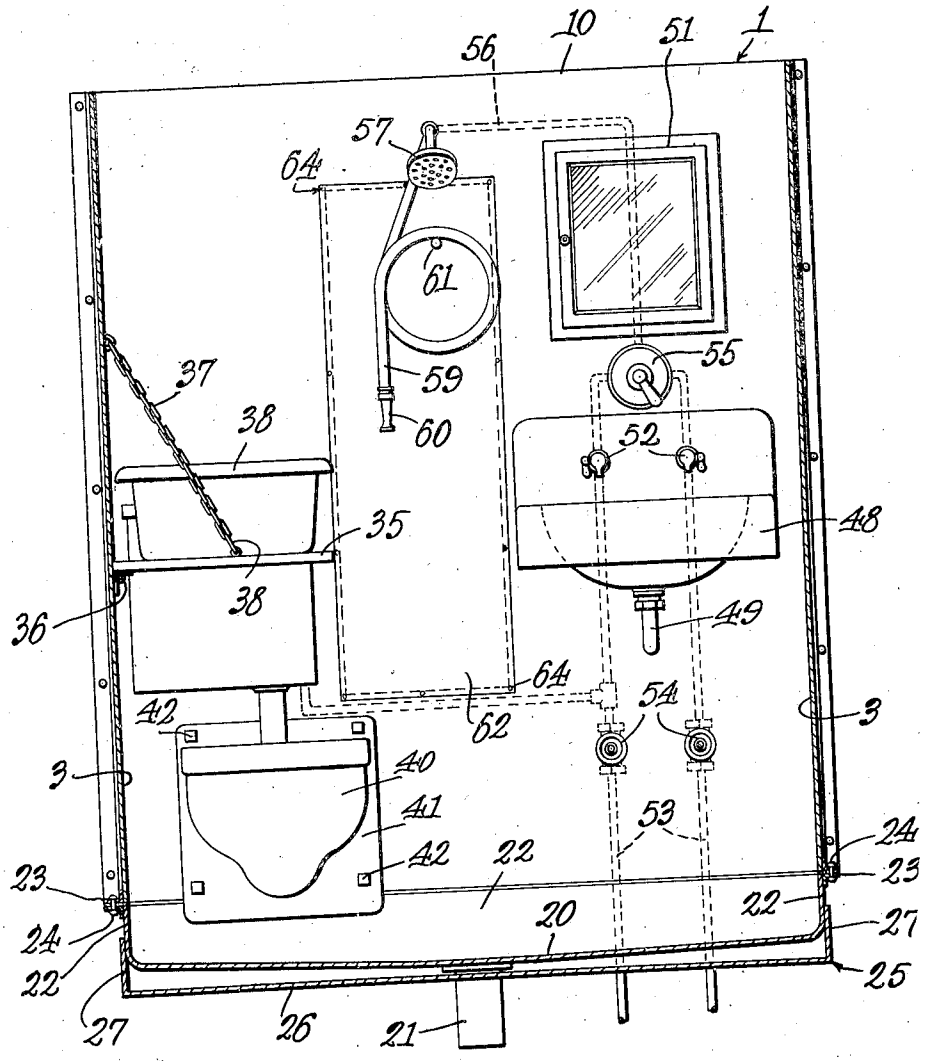
Oct. 8, 1929. R. W. WALLACE 1,730,547

TOILET FIXTURE AND SUPPORT

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Fig. 1.



R. W. Wallace Inventor

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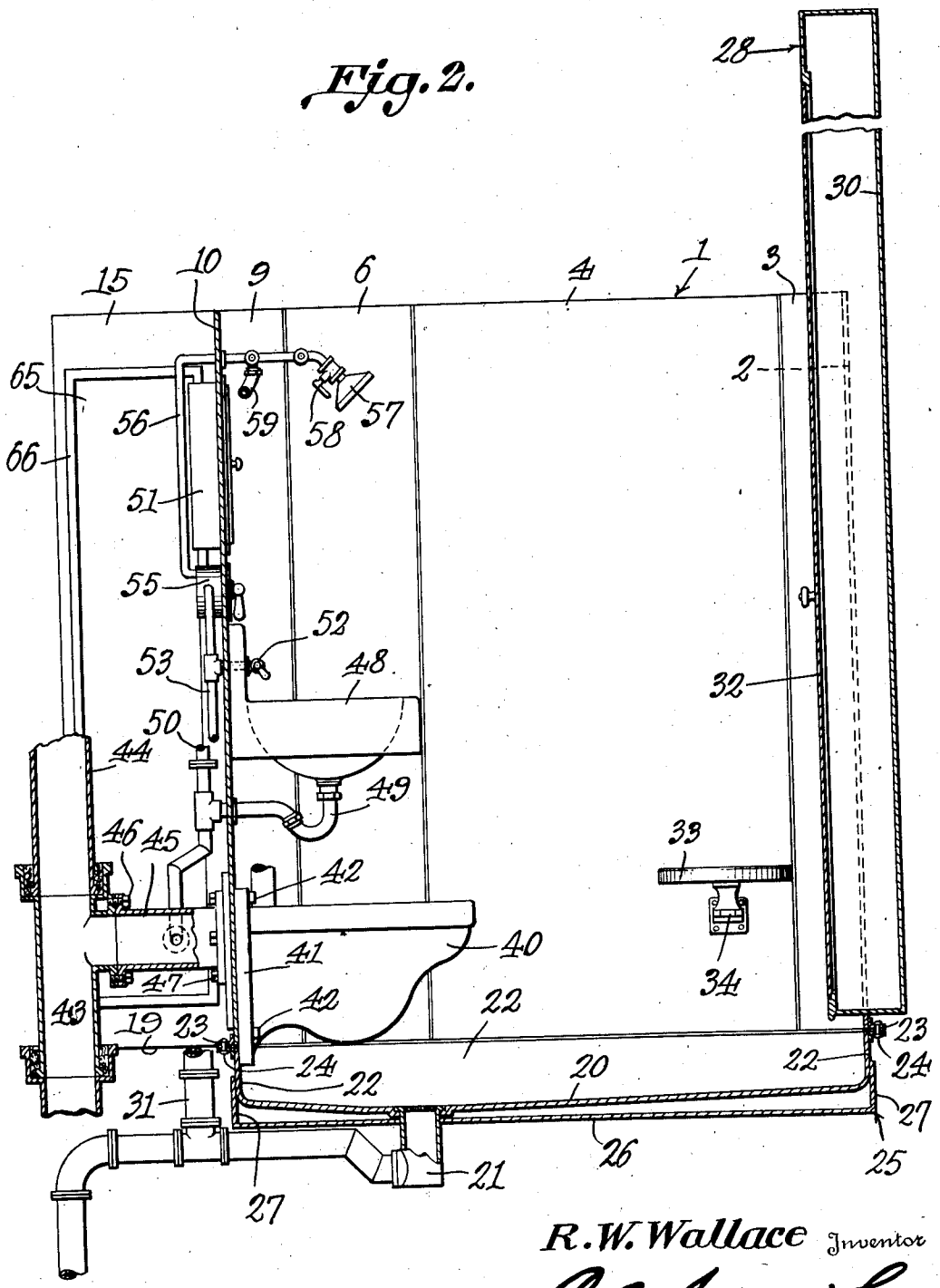
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TOILET FIXTURE AND SUPPORT

Filed July 23, 1928 3 Sheets-Sheet 2

Fig. 2.



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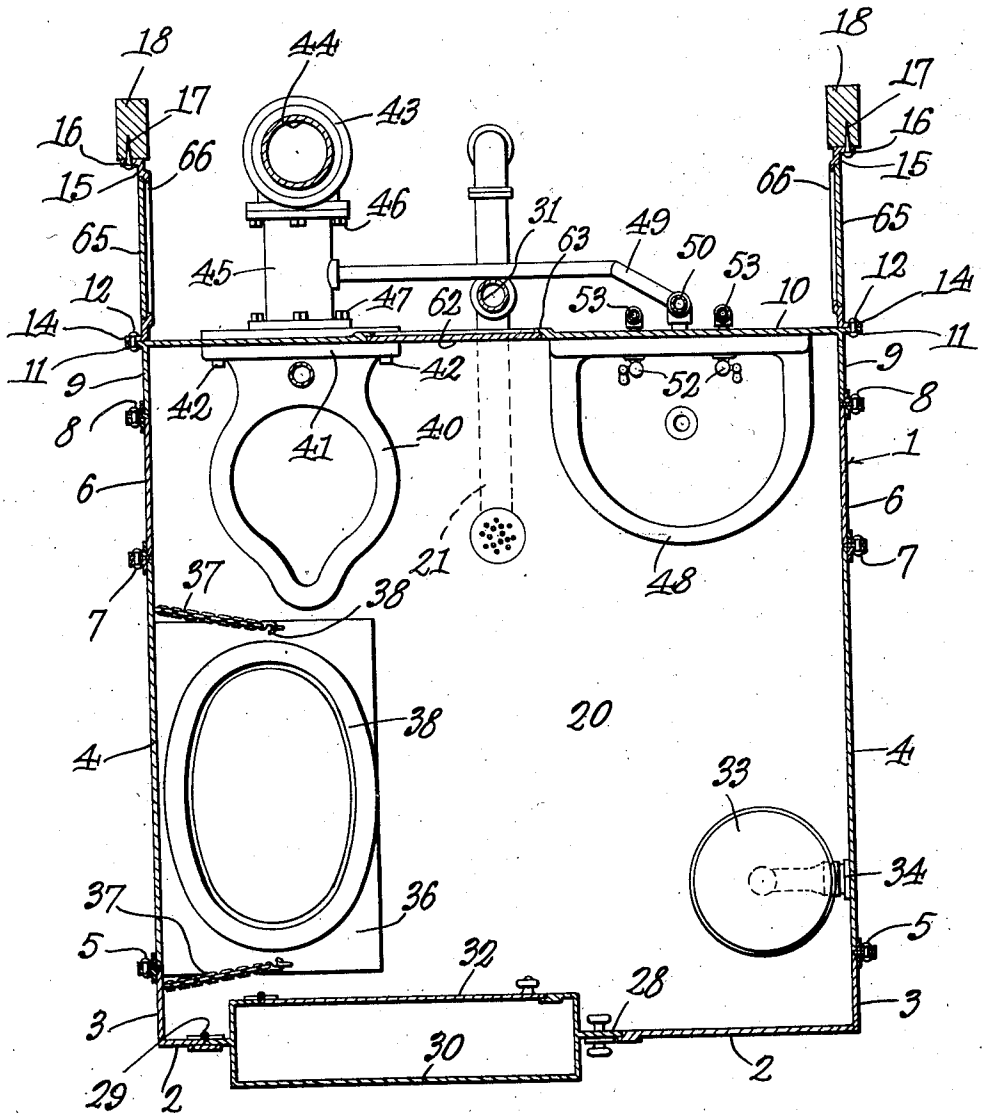
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TOILET FIXTURE AND SUPPORT

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Fig. 3.



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Patented Oct. 8, 1929 1,730,547

UNITED STATES PATENT OFFICE

RALPH W. WALLACE, OF JOHNSTOWN, PENNSYLVANIA

TOILET FIXTURE AND SUPPORT

Application filed July 23, 1928. Serial No. 294,650.

This invention aims to provide a device in the form of an accessible, waterproof, sectional boxlike support for toilet fixtures, accessories, piping and connections; the construction being such that it may be manufactured of parts interchangeable and assembled and completed where desired without waiting for the carpenters, tile setters, plasterers, painters and other mechanics to do their work before the plumber finishes his task.

This invention aims, moreover to provide novel means whereby toilet fixtures of one kind and another may be set up conveniently by furnishing an accessible flush finished wall and support, novel means being provided for housing the pipes of the fixtures and novel means being supplied for gaining access to the pipes and connections in the event that repairs and replacements are necessary.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in vertical section, a device constructed in accordance with the invention;

Figure 2 is a vertical section taken at right angles to the showing of Figure 1;

Figure 3 is a horizontal section.

The device forming the subject matter of this application comprises a box-like support 1, made of metal, preferably, and enamelled, painted, or finished in any other desired way, depending upon the finish which it is desired that the fixture shall have. The support 1 comprises a body which is open at its top, the body including a front 2 having rearwardly prolonged extensions 3.

The extensions 3 are connected at 5 to the side pieces 4 which are arranged at right angles to the front, the joints at 5, and elsewhere, being suitably packed, or constructed otherwise, so that the support will be water tight. Side pieces 6 are located in alinement with the side pieces 4 and are connected thereto as shown at 7. The rear edges of the side pieces 6 are connected at 8 to the forward extensions 9 of a back plate 10. The back plate 10 is prolonged outwardly beyond the extensions 9 to form flanges 11 connected by securing elements 12 to the flanges 14 of wings 15, located in alinement with the side pieces 6, the wings having outstanding flanges 16 connected by securing elements 17 to any accessible parts 18 of the building in which the device forming the subject matter of this application is located. As shown at 19 in Figure 2, the wings 15 terminate in the same horizontal plane with the lower edge of the body portion of the support. The support includes a bottom 20 having an upstanding rim 22, the constituent parts of the body of the support, and the bottom 20, having outstanding flanges 23 which are joined together by securing elements 24. The numeral 25 indicates a base, made of metal, and including a flat bottom plate 26 having an upstanding rim 27 within which the rim 22 of the bottom 20 is located.

The bottom 20 slopes downwardly to a drain pipe 21 having a vent 31, the drain pipe being connected to the bottom 20 and extending downwardly through the bottom plate 26 of the base 25. The base 25 serves as a reinforcement for the lower end of the body of the support. Moreover, because the bottom 20 slopes to the drain pipe 21, it is desirable to have the base 25, and the flat bottom plate 26, so that the support can be mounted properly on the timbers of the building in which the structure is located and set up.

The device includes a door 28, which may be located anywhere desired. In the present instance, the door is disposed in the front 2, but this is not insisted upon. The door 28 is hingedly mounted, as shown at 29, and contains a cabinet 30 provided on its inner side with a hinged door 32. The door 28 and the cabinet 30 may be considerably higher than

the support 1, if desired, as shown in Figure 2 of the drawings. As will be described hereinafter, the structure forming the subject matter of this application includes a bathtub, and a person entering the support 1, for the purpose of taking a shower bath, can place his garments in the cabinet 30 for the purpose of keeping them dry. For the convenience of the person using the device, a seat 33 may be foldably mounted, as shown at 34, at any desired point within the support, the seat being mounted, in the present instance, on one of the side pieces 4.

A shelf 35 may be hingedly mounted anywhere within the support 1. For instance, the shelf 35 may be hinged at 36 to one of the side pieces 4, and may be sustained from the parts 4 and 3 by means of chains 37, or otherwise. The shelf 35 is adapted to support an infant's bath tub 38, and the height of the shelf 35 is such that a person washing a child in the tub 38 can do so without stooping over, as is necessary when a child is washed in an ordinary bath tub on the floor of the bathroom. When the occasion for the use of the bath tub 38 has passed, it can, of course, be stowed in any convenient place, the chains 37 being unhooked at 38 from the shelf 35, and the shelf being folded up into an out of the way position.

The numeral 40 designates a closet bowl, the carrying plate 41 of which is bolted at 42 (or secured otherwise) to the back plate 10. It is to be observed, referring to Figure 2 of the drawings, that the closet bowl 40 is spaced from the bottom 20, and there is ample room to clean under the closet bowl. The numeral 43 designates a T coupling in the soil stack 44, and the numeral 45 marks a connection, bolted at 46 to the horizontal arm of the coupling 43 in the soil stack, and bolted at 47 to the rear surface of the back plate 10, the connection 45 constituting an outlet for the closet bowl 40.

The connection 45 preferably is made of lead or some other bendable material, so that if the soil stack 44 happens to settle after it has been coupled up with the closet bowl, the joints will not open and leak.

A sink 48 is mounted on the back plate 10, and the drain pipe 49 for the sink may open into the pipe 45 which connects the closet bowl 40 with the soil stack 44. The pipe 49 has a vent 50. The usual cupboard 51 may be mounted in the back plate 10, above the sink 48. The faucets for the sink 48 are shown at 52 and are in pipes 53 under the control of hand valves 54 accessible from within the support 1, but located behind the back plate 10, as shown in Figure 2. A pipe 56 is connected to the mixing valve and extends forwardly through the back plate 6, the pipe 56 carrying universal joints and a spray head 57, adapted to be used when a shower bath is to be taken, the spray head 57 discharging downwardly within the support 1, the flow through the spray head being immediately under the control of the valve 58 located behind the spray head. A hose 59 is connected to the part 56 and by opening the nozzle 60 of the hose, a stream of water is afforded for washing out the support 1. When the support or casing 1 is washed down, the water runs away through the drain 21, of course, the water is disposed of in the same way, when the spray head 57 is in use for a shower bath.

When the hose 59 is not in use, it may be hung up on a peg 61, as shown in Figure 1. No damage can result if the sink 48 or the bowl 40 runs over, because whatever is discharged from the sink or from the bowl, as above mentioned, will run out through the drain pipe 21, the support 1 being watertight, the bottom 20 being integrally connected to the rim 22, and the bottom of the door 28 being elevated far enough so that any reasonable amount of water discharged on the bottom 20 will flow away through the drain 21 rather than run out under the door.

Referring especially to Figure 2, it will be observed that many pipes and fittings, such as the pipe 45, the pipe 50, the pipe 56, and the mixing valve 55 with is supply pipes 53, are located behind the back plate, within the compartment (Figure 3) formed by the back plate and the wings 15. Although the plumbing is concealed from view, it is thoroughly accessible, for renewal or repair. Having this consideration in mind, a panel 62 is mounted in the seat 63 formed in the back plate 10, the panel being held in the seat by securing devices 64, it being possible to remove the securing devices, and take out the panel 62, and gain access to whatever is behind the back plate 10.

It may be desirable to gain access to some of the parts behind the plate 10, whilst the bath room is in use, and in order to accomplish this, closures 65 are removably held in seats 66 formed in the wings 15. A plumber, janitor, inspector, or other person, can remove the closures 65 and gain access to the plumbing, without taking out the panel 62 and without disturbing the user of the bath room. So far as the process of erection is concerned, it will be very convenient to remove the panels 65 and the panels 62, at the same time, thereby to give ready access to the space behind the back plate 10.

The major advantages are that it can be manufactured and furnished complete as a unit. The flexible swinging waste outlets make it possible to connect it from any angle or side. The low design of this fixture make it possible to locate a window anywhere above it. It can be set up, tested and completed in one operation and then encased as desired by the owner. It is designed as a bedroom fixture for the general cleansing of the body. It is self cleansing and can be cheaply made and installed. It is designed of light material

and parts which can be removed and replaced if breakages occur. Under the present practice, the plumber is under the necessity of both "roughing-in" his work, and then completing it in stages which are governed by what the carpenters and other mechanics have done in the building. The result is that the plumber has to wait for a final inspection, which prolongs his work and increases the cost of installation.

With the device forming the subject matter of this application, the plumber can set up his work completely, couple it up with the supply and sewer pipes, test it out, and call for his pay without being dependent upon the completion of some other part of the job in which he has no especial concern or interest.

What is claimed is:

1. In a device of the class described, a support including an assembled sectional water proof box-like body open at the top, an inclined bottom provided with an upstanding rim, means for connecting the rim to the body, a base including a flat bottom and an upstanding rim within which the rim of the inclined bottom is received, a drain cooperating with the lowermost part of the inclined bottom and extended through the flat bottom, a series of fixtures within the body and a series of pipe and fittings to the rear all supported thereby and accessible from the inside or outside as desired, and a door providing ingress and egress from the body, the door being mounted independently of the base, whereby water from the toilet fixtures will be conducted away by the drain and not leak out under the door.

2. In a device of the class described, a box-like body closed at the bottom and open at the top, the body comprising a back plate and wings extended rearwardly from the back plate, a toilet fixture within the body and supported by the body, plumbing connected to the fixture and disposed within the space between the wings, one of the wings, and the back plate, being provided with a panel which gives access to the plumbing.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

RALPH W. WALLACE.