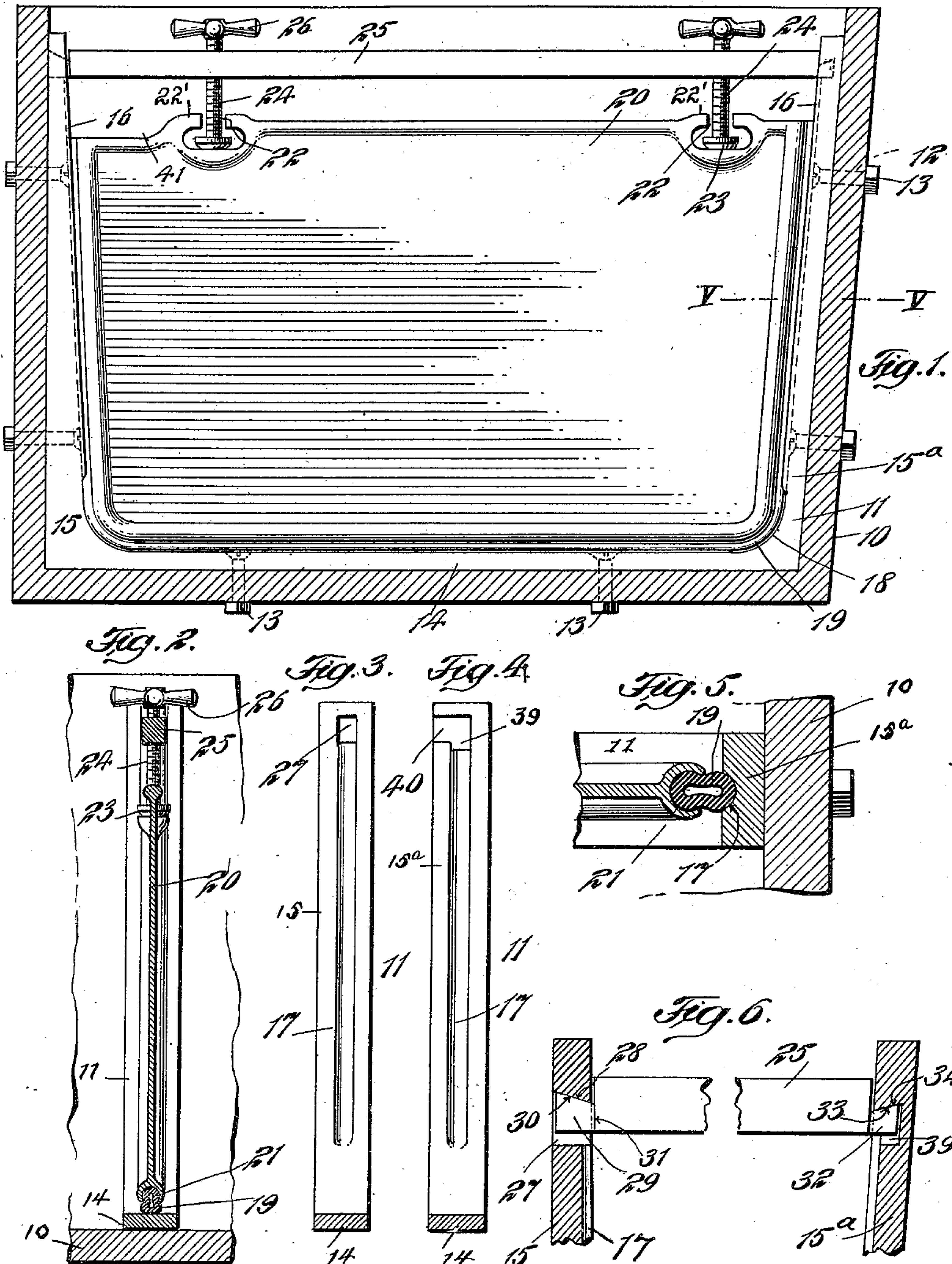


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WASHTUB ATTACHMENT.  
APPLICATION FILED JAN. 15, 1910.

990,442.

Patented Apr. 25, 1911.



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# UNITED STATES PATENT OFFICE.

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## WASHTUB ATTACHMENT.

990,442.

Specification of Letters Patent.

Patented Apr. 25, 1911.

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*To all whom it may concern:*

Be it known that I, WILLIAM J. KIBBY, a citizen of the United States, and a resident of New York, borough of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Washtub Attachments, of which the following is a full, clear, and exact description.

10 This invention relates more particularly to an attachment for dividing a wash-tub or other receptacle transversely thereof into independent compartments.

15 The principal object of the invention is to provide a simple and efficient device or attachment which may be readily applied to the interior of a receptacle and so held that the said receptacle may be divided into independent compartments to adapt the same for a wash-tub to hold both hot and cold water or different kinds of water suitable for washing purposes, and which attachment is so constructed that the same may be applied to the receptacle without changing its construction in any way.

25 Another object of the invention is to provide a simple and efficient attachment which has a frame and a vertically movable division gate and positive means forming a part thereof by which the gate may be forced into sealing contact with the frame of the device or to be released or moved vertically thereon so that said gate may be entirely removed or only partly raised as desired.

35 A further object of the invention is to provide simple and efficient sealing means between the gate and the supporting frame, and simple means for holding the gate to the frame.

40 With these and other objects in view, the invention will be hereinafter more particularly described with reference to the accompanying drawings, which form a part of this specification, and will then be pointed out in the claims at the end of the description.

45 In the drawings, Figure 1 is a transverse section of a receptacle, showing one form of my device applied thereto in position for use. Fig. 2 is a transverse vertical section through the gate and supporting frame, showing only a part of the receptacle. Fig. 3 is a detail transverse section of the frame with the gate removed, showing one end of

the frame. Fig. 4 is a view similar to Fig. 3 except that the section is looking in the opposite direction. Fig. 5 is a fragmentary sectional plan through the gate and device, taken on the line V—V of Fig. 1; and Fig. 6 is a fragmentary vertical section of the upper part of the frame, showing the manner of holding the ends of the bar of the device in the frame.

60 The receptacle 10 may represent a wash-tub, bath-tub or other receptacle, and adapted to fit in the wash-tub and substantially centrally thereof is a supporting frame 11. This supporting frame 11 is substantially U-shaped in form and has its body portion made to conform to the shape of the inner surface of the receptacle so as to fit snugly therein, and said frame may be secured by means of bolts 12 on one end of which are the nuts 13, or the said frame may be secured by cement or by otherwise holding the same within said receptacle.

65 The frame 11 has a base portion 14 to fit the bottom of the receptacle and vertical or upright portions 15 and 15<sup>a</sup> to fit the sides of the receptacle, and said vertical portions have their inner surfaces 16 tapering so that the said frame is wider at the top than at the bottom. The vertical portions have a grooved part extending lengthwise thereof, as at 17, for a part of the length of said vertical portions and where said vertical portions join the base portion the inner surface is curved, as at 18. The base 14 may be perfectly plain and adapted to fit into the grooved portions 17 of the supporting frame is a gasket or yielding packing 19 carried by the division gate 20. This packing 19 may be of rubber in the form of a tube and said tube or sealing element is adapted to be compressed and forced into a groove 21 formed in the body and at the side and lower edges of the gate 20. This serves to hold the gasket or packing 19 positively in place so that when the gate is forced downward, a proper seal will be secured between the packing 19 and the inner surface of the supporting frame to divide the receptacle into two separate and independent compartments each adapted to hold water. By providing the groove 17 only in the vertical portion 15, a proper seal may be effected, and as there is no groove at the bottom or on the upper face of the part 14 no dirt or other objectionable



material will collect in said groove and at the same time, the said gate will be properly guided and held to the supporting frame.

To positively move the gate bodily and vertically, various means may be employed. As shown, the gate is provided with a substantially T-shaped opening 22 the horizontal portion of which is adapted to receive the head or end 23 on the end of a screw 24. There are two screws 24 located on opposite sides of the center of said gate so that the said gate may be forced at a point adjacent to the ends thereof to provide an efficient sealing pressure, and said screws or elements 24 are adapted to pass through threaded apertures in a bar 25, the said screws 24 being each provided with an operating handle 26 whereby the said ends or heads 23 may be raised or lowered and thereby force the gate upward to raise the gate or downward to form a seal with the frame, or the gate may be entirely removed. The heads 23 of the bolts 24 are somewhat larger than the narrower or vertical portion of the slots 22 so that the upper part of said heads will engage the overhanging parts 22' of the slots to permit the said heads to raise the gate for releasing or removing purposes, and at the same time permit the gate to be quickly detached from the bolts or screws 24.

The bar 25, which extends transversely of the receptacle, is detachably held to the upright portions 15 and 15<sup>a</sup> of the supporting frame, and one end of said frame, as 15, is provided with an opening 27 therethrough, the upper edge of which is beveled, as at 28, and is adapted to receive the end 29 of the bar 25. This end 29 is somewhat smaller than the cross sectional area of the bar 25 and has a beveled portion, as 30, to engage the beveled part 28 to hold the same in position, the said bar 25 having shoulders 31 to extend on opposite sides of the opening 27 and serve to guide and hold one end of the bar. The other end of the bar is provided with a part 32 somewhat smaller than the cross sectional area of the bar 25 and has a beveled upper edge 33 which is adapted to engage the beveled edge 34 of the recess 39 of the vertical part 15<sup>a</sup>. The opening 39 extends outward transversely of the supporting frame, as at 40, so that the end 29 of the bar may be slipped into the opening 27 and the free end 32 of the bar then forced through the open part 40 in position to engage the surface 34 of the recess or slot 39.

As will be seen when the bar 25 is in the position shown in Fig. 1, the screws 24 on opposite sides of the center may be made to raise or lower the division gate 20, and by releasing the pressure of the screws 24, the bar 25 may be detached from the frame. By reason of the nature of the openings 22 in the gate, the heads 23 of the bolts or

screw elements 24 may be moved laterally to entirely disengage the bar from the gate, or by rotating the screw element 24 to move the same upward, the heads 23 may be made to engage the overhanging portions 22' and will thereby raise the gate or permit the same to be entirely removed from the frame. The gate may have an entirely straight upper edge, or it may be cut away, as at 41, at one end to move free of the water conductor or faucets, the latter not being shown as they form no part of the present invention.

It will thus be seen that a very effective sealing means is provided between the gate and the frame; that said device including the gate and frame is a separate and independent device from the receptacle and may be made of various materials; that a simple connection is made between the gate and frame whereby the same may be adjusted to release the parts, or to bring them into sealing contact; and that by constructing the gate and the frame in the manner shown, the said frame and gate may be readily cast and the gasket readily attached to the gate.

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

1. A receptacle attachment comprising a frame conforming in shape to the cross sectional contour of the receptacle to which it is to be attached, said frame formed with grooves on the inner surfaces of its vertical arms extending only a portion of the length of said arms, a gate movable bodily vertically in said frame and provided with a packing, said gate also formed with T-shaped openings at its upper edge, a bar detachably supported by the frame and screws having enlarged portions entering said T-shaped openings for positively forcing the gate toward or from the frame.

2. A receptacle attachment comprising a frame conforming in shape to the cross sectional contour of the receptacle to which it is to be attached, said frame formed with grooves on the inner surfaces of its vertical arms extending only a portion of the length of said arms, the groove on one arm terminating in an opening through the arm at its upper end and the groove on the other arm terminating in an opening and recess in said arm, the upper walls of said openings being beveled, a gate provided with a packing and movable bodily vertically in said frame, a bar supported by the frame and mounted in said openings, and means for positively forcing the gate toward or from the frame.

3. A receptacle attachment comprising a frame conforming in shape to the cross sectional contour of the receptacle to which it is to be attached, said frame formed with grooves on the inner surfaces of its vertical arms extending only a portion of the length of said arms, the groove on one arm ter-



minating in an opening through the arm at its upper end and the groove on the other arm terminating in an opening and recess in said arm, the upper walls of said openings  
5 being beveled, a gate provided with a packing and movable bodily vertically in said frame, a bar supported by the frame and mounted in said openings, and a plurality of screws extending through said bar on opposite sides of the center thereof and contacting with the upper edge of said gate for  
10 positively forcing the gate toward or from the frame.

4. A receptacle attachment comprising a  
15 frame conforming in shape to the cross sectional contour of the receptacle to which it is to be attached, said frame formed with grooves on the inner surfaces of its vertical arms extending only a portion of the length  
20 of said arms, the groove on one arm terminat-

ing in an opening through the arm at its upper end and the groove on the other arm terminating in an opening and recess in said arm, the upper walls of said openings being  
25 beveled, a gate provided with T-shaped openings and a packing and movable bodily vertically in said frame, a bar supported by the frame and mounted in the openings in the vertical arms and a plurality of screws  
30 extending through said bar and having enlarged portions adapted to fit in said T-shaped openings for positively forcing the gate toward or from the frame.

This specification signed and witnessed this 5th day of January A. D. 1910.

WILLIAM J. KIBBY.

Witnesses:

W. A. TOWNER, Jr.,  
J. A. E. CRISWELL.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

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