

W. B. WEBB.
 DRY AND WATER CLOSET ATTACHMENT.
 APPLICATION FILED JULY 2, 1909.

968,009.

Patented Aug. 23, 1910.

Fig. 1.

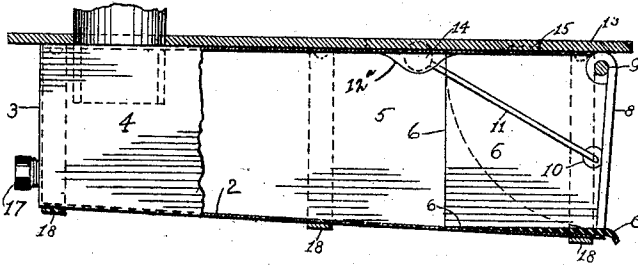


Fig. 2.

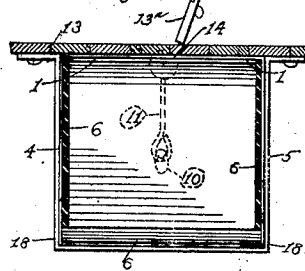


Fig. 3.

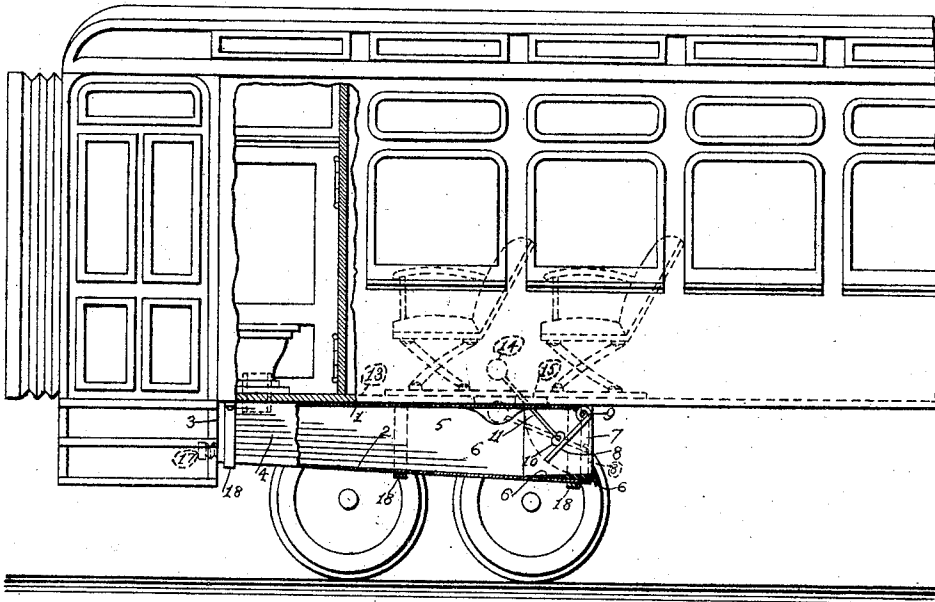
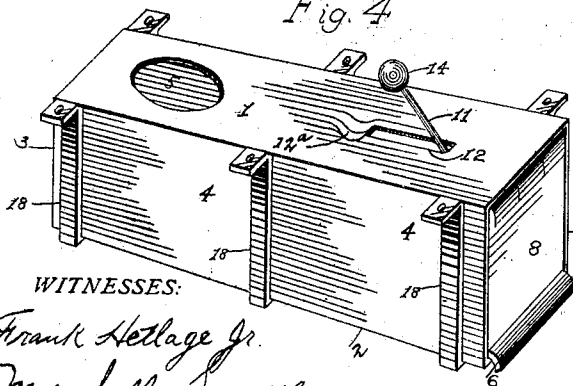


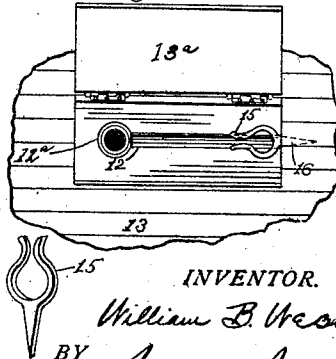
Fig. 4.



WITNESSES:

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Fig. 5.



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UNITED STATES PATENT OFFICE.

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DRY AND WATER CLOSET ATTACHMENT.

968,009.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM B. WEBB, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Dry and Water Closet Attachments, of which the following is a specification.

My invention relates to improvements in dry and water closet attachments, and consists, broadly, in providing a simple, inexpensive, and practical means whereby said closets may be used by a number of persons and without said use being apparent or offensive.

An attachment having such characteristics and attaining such a result is particularly desirable in conjunction with closets now generally in use upon inter-urban electric railways and passenger coaches upon steam railroads, for at present great inconvenience is experienced by the traveling public because of the custom of locking the toilet rooms as the car or train approaches a station where passengers are discharged or received. This is done chiefly for the purpose of preventing the use of the closet within the confines of said station, for such use would prove offensive to those coming in that vicinity, but by the attachment of my device the said rooms may be left open for the use of passengers without any objectionable results. These desiderata I attain by the parts illustrated in the accompanying drawing, in which—

Figure 1 is a side elevation of the device, disclosing the essential features thereof assembled and the whole in proper position beneath the bowl-discharge of a dry or water closet; Fig. 2 an end view of Fig. 1, better disclosing the rubber-lined portions of the tank; Fig. 3 illustrates the device attached to the under flooring of a car and beneath the closet usually found thereon, one wall of the tank being broken away to disclose the interior, as in Fig. 1, the gate being partly swung up and the position of the rod, operating the same, relative to the interior of the coach being determined; Fig. 4 illustrates a manner of supporting the device to the under flooring of a dry closet or car, and Fig. 5 discloses the top of the tank, an oblong slot through which passes said rod and a locking means for securing said gate in any desired position, the view being taken vertically from the top and through an

aperture, provided in the car floor, which is concealed, when the gate of the tank is closed against its seat, by a plate of metal or other material lying flush with the plank- ing.

Like numerals refer to like parts throughout the several views, in which—

1, 2, 3, 4 and 5 represent the top, bottom, end and side walls, respectively, of the reservoir-tank, and said side walls, 4 and 5, and said bottom wall, 2, are rubber-lined, as indicated by numeral 6, for a suitable distance inwardly from the discharge orifice 7 of said tank. A gate 8, suitably hinged at 9, is provided upon its inner face with a half-eye 10, or equivalent member, through which is looped or upon which is swiveled one extremity of a rod 11. Said rod extends upwardly through an oblong slot 12 provided in the top of said tank, thereby being permitted ample lateral movement, and is surmounted by a weighty member 14 which, when gate 8 is lowered across orifice 7, lies principally within depression 12^a and beneath plate 13^a. A member of resilient steel 15 may be sunk within the car planking 13 at, approximately, point 16 and contiguous to said slot, and thus disposed its jaw members can be made to grip and frictionally retain rod 11 and so position gate 8 as desired. At the rear end of the reservoir-tank and in wall 3 thereof is provided a screw-capped opening 17, through which the nozzle or end of a water or steam hose may be projected to thoroughly flush and cleanse every portion of said tank.

A support for the device may consist of rods or bands of metal 18 passed thereover and fixed, by bolt or other suitable means, at each of their extremities upon the under body of the coach, or cast-iron stanchions may be used, conforming with the contour of said tank, fastened at one of their extremities to the under floor of the car, and provided with means for rigidly and detachably securing said tank in proper position.

The dimensions of the tank may be varied as may prove desirable, but ordinarily its depth would be from one foot to a foot and a half; its width from three to four feet, and its length, in view of the foregoing measurements, equivalent to a capacity of thirty gallons.

The tank and gate thereof may be wholly or partially constructed of porcelain or of

sheet or galvanized iron, or of any other suitable material, and it should be observed that the bottom-wall 2 has a sufficient pitch to induce the contents of said tank to gravitate toward orifice or discharge-vent 7, controlled by gate 8. It is obvious that when said gate is closed and its edges forced, by pressure of weighty member 14 and the tank-contents, against its rubber seat, no discharge is permitted from the tank, but that by lifting up said member 14, said gate is swung clear of orifice 7 and the tank emptied whenever and wherever desired, while from the position of member 14, surmounting rod 11, within the body of the coach and without the confines of the toilet-room, it is apparent that no one using the bowl can open or close gate 8.

Though the preferred embodiment of my device is herein described and illustrated, no precise limitations are to be implied therefrom, and details of construction and the size, arrangement, and relative location of parts may be altered at will without departing from the spirit and scope of the invention.

Having thus described and disclosed the salient features of my invention, what I claim as new and desire to secure by Letters-Patent is—

1. In an attachment for dry or water closets, a capacious tank immediately adjacent to and having direct communication with the bowl-discharge of a closet, a partition between said tank and said closet, a member adapted to control the retention and discharge of the tank contents, a weighted rod attached to said member and projecting upwardly therefrom through said partition, the weight upon said rod gravically exerted longitudinally thereof and for the purpose specified, means to gravically effect the discharge of the tank contents, means to permit the flushing of said tank, means to prevent leakage therefrom, and means to support said tank in juxtaposition to said bowl-discharge.

2. In an attachment for dry or water closets, a capacious tank immediately adjacent to and having direct communication with the bowl-discharge of a closet, a partition between said tank and said closet, certain portions of said tank being lined or covered with a waterproof substance or material, a movable gate disposed at the discharge orifice of said tank, a rod engaging a member upon a surface of said gate, extending upwardly therefrom through a slot in said partition and surmounted by a weighty member, the weight upon said rod gravically exerted longitudinally thereof and for the purpose specified, a locking device contiguous to said slot for engagement of said rod whereby said gate may be positively retained closed or open at any desired angle, a cap-closed aperture in a wall of said tank to permit the injection of a hose or other flushing member, and means for supporting said tank to said partition.

3. A device for use in conjunction with dry or water closets, comprising a capacious tank immediately adjacent to and having direct communication with the bowl-discharge of a closet, means to permit the flushing and drainage of said tank, means to optionally retain or discharge the tank-contents, means for operating said retention and discharge control, means whereby said retention and discharge control may be positively retained closed, or open at any desired angle, means whereby an automatic return of said gate to a position across the discharge orifice of said tank is positively insured, means for the accommodation and normal concealment of said means for insuring said automatic return of said gate, means for preventing leakage from said tank, and means for the support of said tank in juxtaposition to said bowl-discharge.

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Witnesses:

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