

W. WALTON, JR.
 WASHING MACHINE ATTACHMENT FOR STATIONARY WASHTUBS.
 APPLICATION FILED FEB. 16, 1909.

946,175.

Patented Jan. 11, 1910.

Fig. 1

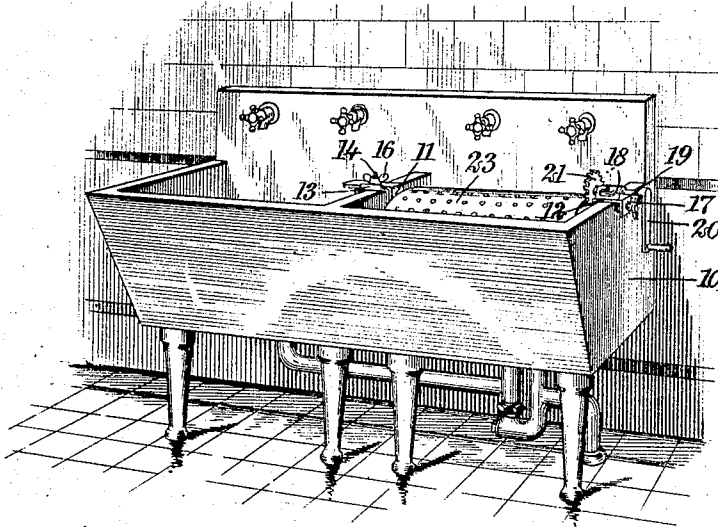


Fig. 2

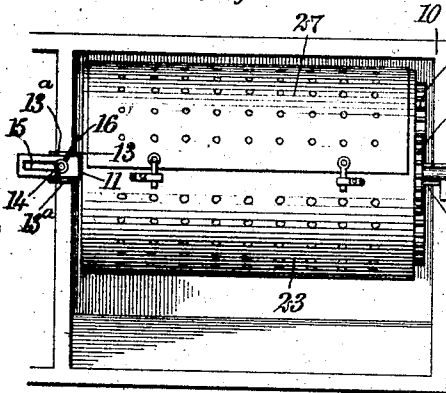


Fig. 3

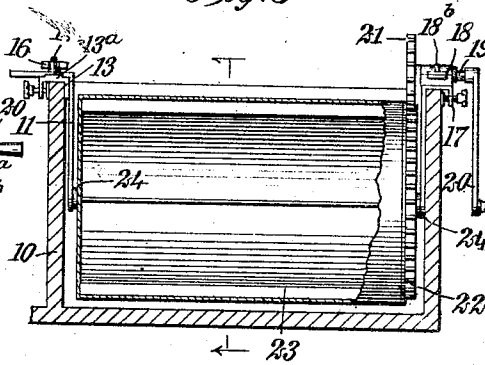


Fig. 5

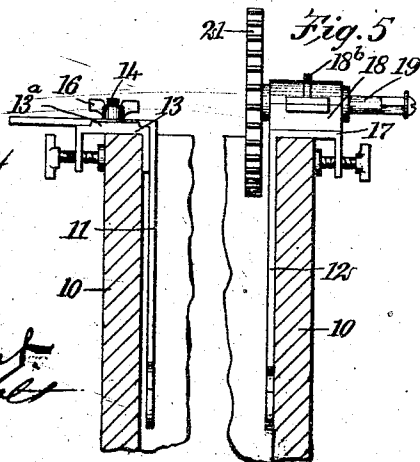


Fig. 4

WITNESSES
F. D. Sweet
W. A. Jones

Fig. 6



INVENTOR
 William Walton Jr.
 BY *Mumolo*
 ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM WALTON, JR., OF NEW YORK, N. Y.

WASHING-MACHINE ATTACHMENT FOR STATIONARY WASHTUBS.

946,175.

Specification of Letters Patent.

Patented Jan. 11, 1910.

Application filed February 16, 1909. Serial No. 478,232.

To all whom it may concern:

Be it known that I, WILLIAM WALTON, Jr., a citizen of the United States, and a resident of the city of New York, Brooklyn Hills, borough of Queens, in the county of Queens and State of New York, have invented a new and Improved Washing-Machine Attachment for Stationary Washtubs, of which the following is a full, clear, and exact description.

The invention is a washing machine attachment for stationary wash tubs, and is designed to provide a washing apparatus embodying a washing cylinder which may be readily applied to and operated in stationary tubs of various sizes, and the cylinder easily removed when desired to use the tub in the usual manner.

The invention in general consists of hangers having means to detachably apply them to the opposite sides of the tub, a washing cylinder removably journaled in the hangers and having an attached gear, and a shaft removably journaled on the attaching means of one of the hangers, having an operating crank at its outer end and a gear at its inner end in mesh with the gear of the washing cylinder, the other hanger being adjustable to and from the hanger adjacent to the gears, to accommodate the washing cylinder to tubs of various lengths.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of an ordinary type of stationary wash tub with my improved washing machine attachment applied thereto; Fig. 2 is a plan of the same; Fig. 3 is a longitudinal section through the drum and tub; Fig. 4 is a fragmentary section through the side of the tub adjacent to one of the hangers; Fig. 5 is a corresponding sectional view adjacent to the other hanger; and Fig. 6 is a face view of the hanger shown in Fig. 4.

My invention is designed expressly for stationary wash tubs, in which connection it affords a serviceable washing machine without taking up additional floor space as in cases where the tub and washing apparatus are made as a single article of manufacture.

A stationary wash tub 10, of conventional form, having the customary hot and cold

water faucets and the soil pipes for the discharging of the waste water, is herein represented to better illustrate the application of my improvements.

In carrying out my invention I provide hangers 11 and 12, each having a screw-clamp to detachably apply it to one side of the tub, the screw-clamp 13 in the case of the hanger 11 being of U-form and having a threaded stud 14 on its upper face which passes through a slot 15 in the offset foot of the hanger and receives a thumb-nut 16 which binds on the upper face of the said foot. In order to offset any tendency of the hanger 11 turning on the clamp 13, the latter has flanges 13^a arranged at opposite sides in engagement with the edges of the foot. The frame of the screw-clamp 17 for the hanger 12 is formed integrally therewith by bending the upper portion of the hanger into U-form. The upper face of the clamp 17 carries a sectional bearing 18, the upper section of which is hinged at one side to swing to and from the lower section, and at its opposite side is provided with a slot 18^a to receive a button or latch 18^b carried by the lower section of the bearing and operating to secure the two sections of the bearing together. Within the bearing 18 is journaled a shaft 19 having a detachable operating crank 20 at its outer end and a gear 21 secured to its inner end, the latter when the shaft is in operative position within the bearing, meshing with a gear 22 fixed to a washing cylinder or drum 23. The drum 23 has a stub shaft 24 at each end journaled in the lower ends of the hangers 11 and 12. For this purpose the lower end portions of the hangers each has a downwardly and inwardly-inclined slot 25 entering the hanger at the side and provided with an enlargement 26 at the lower end, the latter receiving one of the stub shafts of the washing cylinder and preventing the latter from being accidentally dislocated. The bottom edge of the slot 25 extends beyond its upper edge, which obviously facilitates the placing of the drums in the hangers, since on lowering the drum with the stub shafts against the edges of the hangers adjacent to the slots 25, the shafts will be directed into the latter on striking their lower projecting edges.

In the application of the attachment to the tub the hangers are first applied and the hanger 11 adjusted a distance from the hanger 12 to accommodate the washing cyl-

inder to the length of the tub. The drum is then easily dropped into the hangers and the shaft 19 locked in the sectional bearing, when the apparatus is in readiness for washing purposes. The washing drum is perforated and provided with a peripheral door 27 for the introduction and removal of the clothes, as is the usual practice in washing machine construction.

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

15 In a washing machine attachment for stationary wash tubs, hangers having clamps to engage over the top edges of the tub and secure the hangers thereto at opposite sides,

and a washing cylinder journaled in the lower end portions of the hangers and removable therefrom and applicable thereto while the clamps are applied to the tub, with one of said hangers adjustable on its clamp to move to and from the other hanger to accommodate the washing cylinder to tubs of different lengths.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM WALTON, JR.

Witnesses:

W. W. HOLT,
JOHN P. DAVIS.