

W. McCLOSKEY.
MOP WRINGER.
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1,015,450.

Patented Jan. 23, 1912.

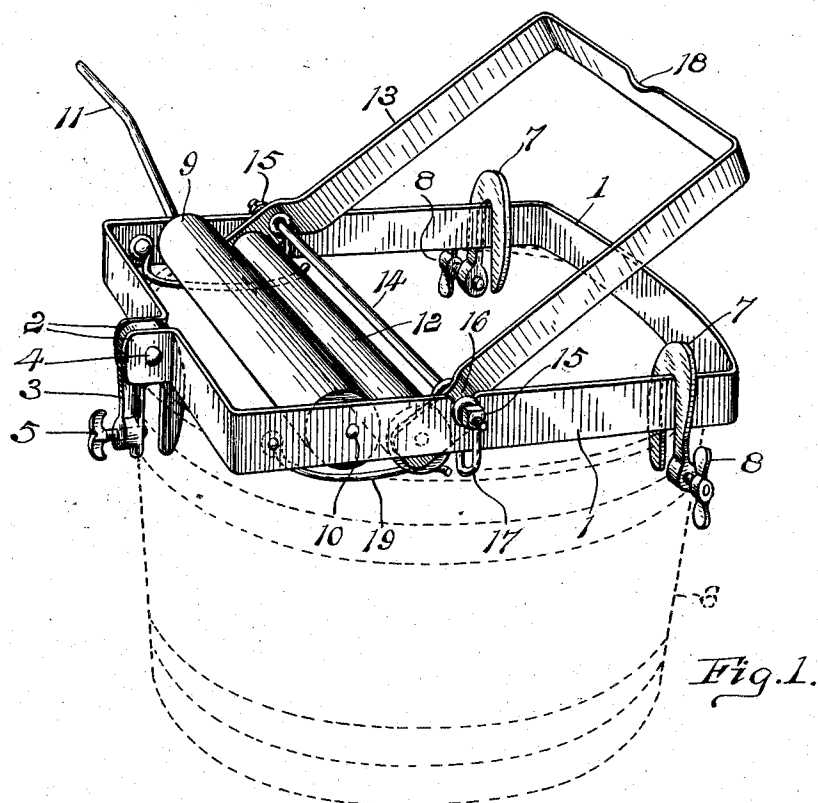


Fig. 1.

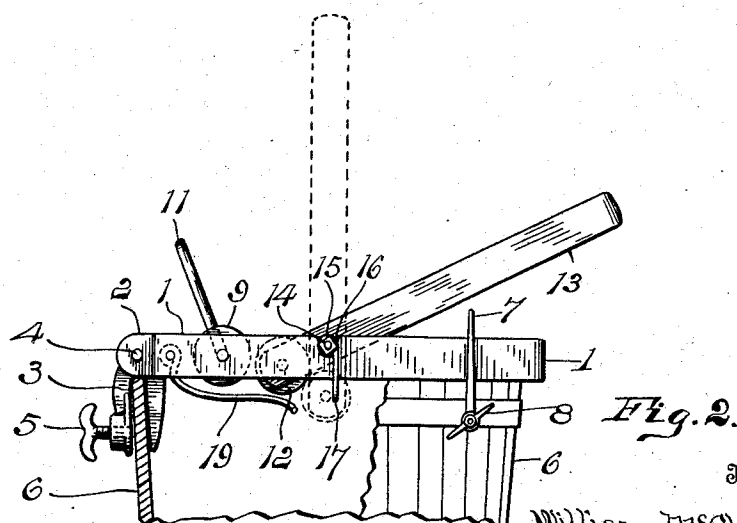


Fig. 2.

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UNITED STATES PATENT OFFICE.

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MOP-WRINGER.

1,015,450.

Specification of Letters Patent.

Patented Jan. 23, 1912.

Application filed April 24, 1911. Serial No. 623,126.

To all whom it may concern:

Be it known that I, WILLIAM McCLOSKEY, a citizen of Canada, residing at Maidstone, in the county of Essex and Province of Ontario, Canada, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a specification.

This invention relates to improvements in mop wringers, and its object is to provide a simple, cheap and convenient structure.

To this end the invention consists in the matters hereinafter described and more particularly set forth in the claims, reference being had to the accompanying drawings in which—

Figure 1, is a perspective view of a device embodying the invention; and Fig. 2, is a side elevation of the same attached to a pail or bucket.

As shown in the drawings, 1 is a suitable rectangular frame formed of a single length or strip of band iron or similar material formed on edge with its ends adjacent to each other and turned outwardly at the middle of one end of the frame. These out-turned ends form ears 2 between which a suitable clamping member is pivotally secured by a rivet 4. One jaw of the clamp is provided with a screw-threaded opening to receive a thumb-screw 5, which may be turned inward against the side of a pail or bucket 6 upon the upper edge of which it is desired to secure the frame 1, and clamp said edge of the pail between the jaws of the clamping member. The opposite end of the frame 1, is clamped to the upper edge of the pail by detachable clamping members 7, which are adjustable along the sides of the frame so that any size of pail may be used. These clamps 7 are also provided with thumb-screws 8 engaging screw-threaded openings in one jaw of the clamp to engage the side of the pail.

Near one end of the frame is a roll 9 upon a shaft 10 having bearings in the sides of the frame. One end of the shaft is extended and formed into a crank 11 for turning the roll. A second roll 12 is journaled between the ends of a bail 13 formed of band or strap iron, across which a rod 14 extends parallel and adjacent to said roll and through holes in the sides of the bail. The ends of the rod are extended and screw-threaded to receive nuts 15 and that por-

tion of the rod between the outer sides of the bail and said nuts is adapted to engage and slide upon the upper edge of the sides of the frame 1, and to have bearings in notches 16 in said edges when moved into engagement therewith. These notches are so located with reference to the roll 9 that when the rod 14 is engaged therewith and the bail swung to bring the roll 12 toward the roll 9 said rolls will come in contact and by means of the bail as a lever may be swung toward each other with any desired force to pinch a mop or other article between and wring the water therefrom when the roll 9 is turned by means of its crank handle.

The bail 13 with its roll is held upon the frame by means of wire loops 17 having eyes at their upper ends through which the rod passes, said loops each embracing the side of the frame and the adjacent arm of the bail. These loops are of such length that the rod 14 may be lifted out of the notches 16 and the bail moved along the frame, to move the roll 12 away from the roll 9 so that a mop may be easily placed in the pail between said rolls. When so placed, and it is desired to wring the mop, the bail is slid along the frame, bringing the roll 12 toward the roll 9 with the mop between them and with the handle of the mop engaging a notch 18 in the middle of the bail. The handle of the mop thus becomes a lever to turn the bail and any desired pressure may be secured to wring the mop dry. Guard wires 19 are attached at one end to the sides of the frame 1 and extend beneath the rolls inward a short distance from their ends to prevent the mop from being caught between the ends of the rolls and the frame. The bail in addition to serving as a lever for carrying and operating the movable roll also serves as a bail by means of which the pail with the frame clamped thereto, may be carried about.

What I claim as my invention and desire to secure by Letters Patent, is:—

1. In a mop wringer, the combination of a frame notched upon its upper edge, clamping means for attaching the frame to the upper edge of a pail; a roll journaled on the frame, a bail, a roll journaled on the bail, said bail having projecting means received in the notches of the frame and forming a bearing member adja-

cent to the roll and slidable upon the upper edge of the frame and means embracing the sides of the frame and the adjacent arms of the bail for attaching the latter to the frame.

5 2. In a mop wringer, the combination of a frame, clamping means for attaching the frame to the upper edge of the pail, a roll journaled on the frame, a crank handle for turning the roll, a bail slidably mounted
10 upon the frame and having bearings intermediate its ends upon the frame, a roll journaled upon the lower ends of the bail to be swung by the swinging of the bail on its bearings upward beneath the roll on the
15 frame into contact therewith, said bail being also adapted to swing to a vertical position to serve as a carrying bail, and loops on the bail embracing the sides of the frame to attach the bail thereto.

20 3. In a mop wringer, the combination of a rectangular frame having bearing notches in its sides, a roll journaled on the frame near one end thereof, means for clamping the frame to the upper edge of the pail, a bail,
25 a roll journaled between the ends of the bail, a rod extending across the bail parallel with the roll and having projecting ends engaging with the upper edges of the sides of the frame and the bearing notches therein, and

loops on said rod loosely embracing the sides 30 of the frame.

4. In a mop wringer, the combination of a rectangular frame formed of a single strip of metal set on edge with its ends turned outwardly at one end of the frame to form 35 parallel ears, a clamping member pivotally secured between said ears for securing the frame to the upper edge of the pail, clamping members engaging the sides of the frame and adjustable thereon for engaging a pail, 40 a roll journaled on the frame near one end thereof, a crank for turning said roll, a bail, a roll journaled between the ends of the bail, a rod extending across the bail adjacent to the roll and projecting through the sides of 45 the bail to form bearings therefor engaging the upper edges of the sides of the frame, loops on the rod loosely embracing the sides of the bail and frame, and guard members attached to the sides of the frame and ex- 50 tending beneath the rolls near their ends.

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

WILLIAM McCLOSKEY.

Witnesses:

LEWIS E. FLANDERS,

G. E. McGRANN.

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