J. Adams,

Mop Wringer.

No. 70,310. Patented Oct. 29, 1867.

Fig: 2.

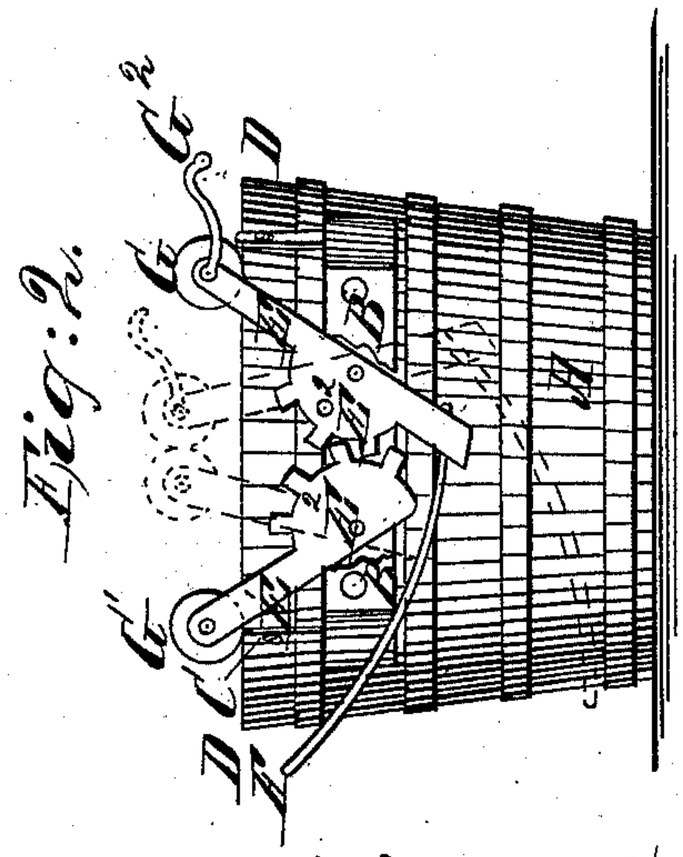


Fig: 1.

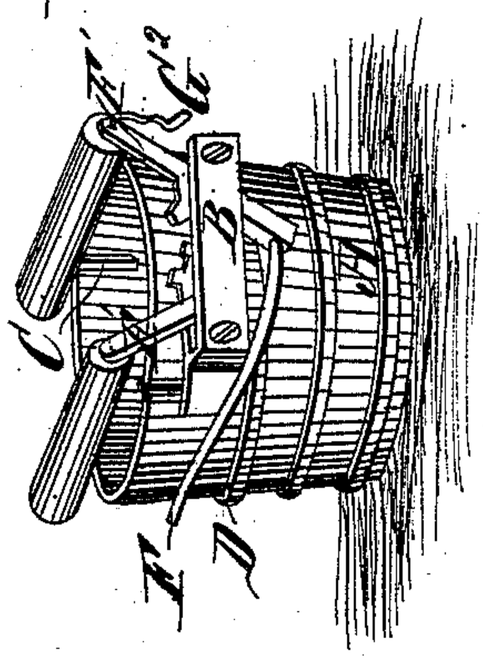


Fig: 3.

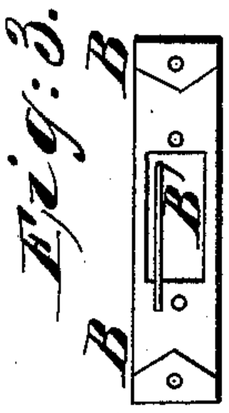
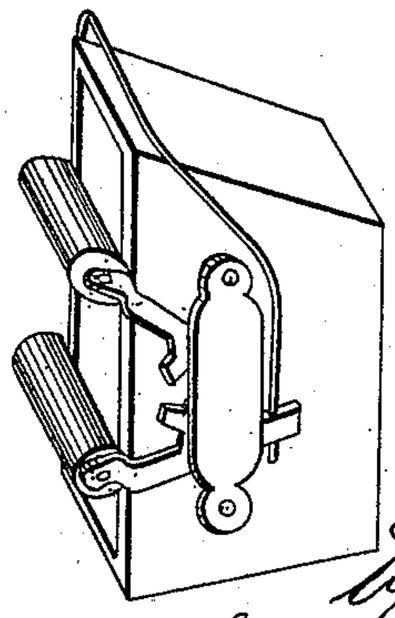


Fig: 4.



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United States Patent Office.

JOSEPH ADAMS, OF JANESVILLE, WISCONSIN.

Letters Patent No. 70,310, *dated October* 29, 1867.

IMPROVED MOP-WRINGER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH ADAMS, of Janesville, in the county of Rock, and State of Wisconsin, have invented a new and useful Improvement in Mop-Wringers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view of an adjustable mop-wringer.

Figure 2 is a side elevation of the same.

Figure 3, an elevation of the inner face of one of the journal-boxes.

Figure 4 is a perspective view of a wringer permanently attached to a pail or box.

The same letters are employed in all the figures in indicating identical parts.

This wringer is intended to be applied to a scrubbing-tub permanently, or adjustably to any tub or pail to be used for the purpose. The former construction is shown in fig. 4, the latter in figs. 1 and 2. The construction of the mechanism is in both cases substantially the same, the difference being merely in the mode of attachment.

A is a bucket, tub, or other vessel for holding the water. The mechanism of the wringer is supported by the side pieces or journal-boxes B, which are either permanently attached to the pail or tub, &c., as shown in fig. 4, or so constructed as to be adjustably applied to any tub, pail, or other vessel. This may be effected by means of hooks C extended from the side pieces over the edge of the pail, and secured by set-screws D or other equivalent device. The side pieces may be separate, as shown, or they may be connected by a bow passing around the pail. Vertical oscillating arms E E^1 are pivoted to the side pieces B. They are constructed with semicircular cogged segments E^2, the cogs meshing into one another, and the pivots passing through the centre of the circle, forming the pitch-line of this spur gearing. The arms E extend below the pivot forming their bearings, and are connected by a lever, F passing around the pail or tub, and extending beyond it far enough to permit the foot of the operator to be applied thereto. In the upper ends of the arms E and E^1 are attached rollers G and G^1, of India rubber, wood, or other suitable material. A winch, G^2, is attached to the journal of the roller G. The arms E and E^1 should be curved inwards towards the bucket or tub A, so that the rollers may be shorter than the width of the tub, so that water expressed from the mop by their action shall fall within the tub. The lever F may be united to or formed in one piece with the arms E. A spring, B′, is placed on the inner face of the cap of the journal-boxes, so as to press against the segment E^2 in a manner to force the upper ends of the arms and rollers apart. They will be brought to compress the mop when to be used by pressing upon the lever F with the foot.

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

A wringer, formed by the two arms E E^1, cogged segments E^2 E^2, lever F, and roller G, positively actuated by a winch, G, and attached to the outside of the tub, and in such manner that the rollers shall be above the same, substantially as set forth.

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

JOSEPH ADAMS.

Witnesses:

GEO. G. WILLIAMS,

J. B. DOE.