

MOP WRINGER.

959,285.

Patented May 24, 1910.



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# UNITED STATES PATENT OFFICE.

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MOP-WRINGER.

959,285.

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*To all whom it may concern:*

Be it known that I, SAMUEL THATCHER ATKIN, a citizen of the United States, and a resident of Georgetown, in the county of Williamson and State of Texas, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a specification.

This invention is an improvement in mop wringing devices for use on buckets or pails, and the invention has for its objects, among others, to provide a mop wringing attachment within a bucket and so connected therewith that the wringing operation of the mop will be below the upper edge of the bucket and so that the mop wringing attachment can be adjusted against the side of the bucket to permit the nesting of a number of buckets in storage or shipment or convenient use of the bucket for other than mop wringing purposes; also to provide a mop wringing attachment for buckets which will be a permanent attachment of the bucket and will be located entirely within the same so as to offer no projection on the outside of the bucket at the top thereof and likely to be caught and result in the over-turning of the bucket in the ordinary use of the invention.

The invention has for objects other improvements and consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is a perspective view of a bucket provided with my invention and Fig. 2 is a sectional view thereof illustrating the invention as in use.

The mop wringing attachment is designed for use with that class of mops wherein the ends of the mop are held in the holder and the mop is formed into a looped form which may be fitted over the wringing arm and then twisted as illustrated in Fig. 2 to wring the water out of the mop.

In the class of devices described, it is important that the wringing attachment may be permanently connected with the bucket to avoid its loss or misplacement and it is also important to so connect the wringing attachment with the bucket as to permit its convenient adjustment out of the way when it may be desired to use the bucket for other than mopping purposes as well as in nesting the buckets in shipment or storage.

The foot A is secured to the bucket B on the outer side thereof and near its bottom.

This foot rest A is shown as bent from a length of wire and pivoted at its middle by a keeper C to the bucket so the said foot rest may be turned up along the outer side of the bucket in nesting a number of the buckets as will be understood from the drawing. At the same time the foot rest may be turned down against the floor to receive the foot of the operator in order to hold the bucket in place during the wringing operation.

The wringing arm D has an upper member D' and a lower member D<sup>2</sup> connected at one end, being bent from a length of wire and provided at their free ends with vertically turned portions D<sup>11</sup> and D<sup>12</sup> which are journaled in bearings E and E' riveted to the inner side of the bucket below the upper edge thereof. The members D' and D<sup>2</sup> are in comparatively close proximity for a short distance from their united ends and then diverge toward their pivoted ends and the wringing arm being pivoted to the inner side of the bucket B may be swung to position for use as in Figs. 1 and 2 or outwardly against the inner face of the bucket whenever desired.

My wringing arm being located within the bucket and substantially below the upper edge thereof reduces the liability of the bucket being overturned during the operation of wringing the mop.

An important advantage results from locating the wringing arm substantially below the upper edge of the bucket and with its free end adapted to receive a looped mop as thereby all water wrung from the mop is discharged into the bucket and there is no danger of any of it passing outside of the bucket on to the floor.

I claim:

In a mop wringer, a bucket having within it upper and lower bearings spaced apart and a wringing arm within the bucket and substantially below the top thereof and having upper and lower members connected at one end and provided at their other or free ends with trunnion like portions held in the bearings of the bucket whereby the arm may be swung into position for use in the wringing operation or back against the inner face of the bucket, substantially as set forth.

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Witnesses:

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