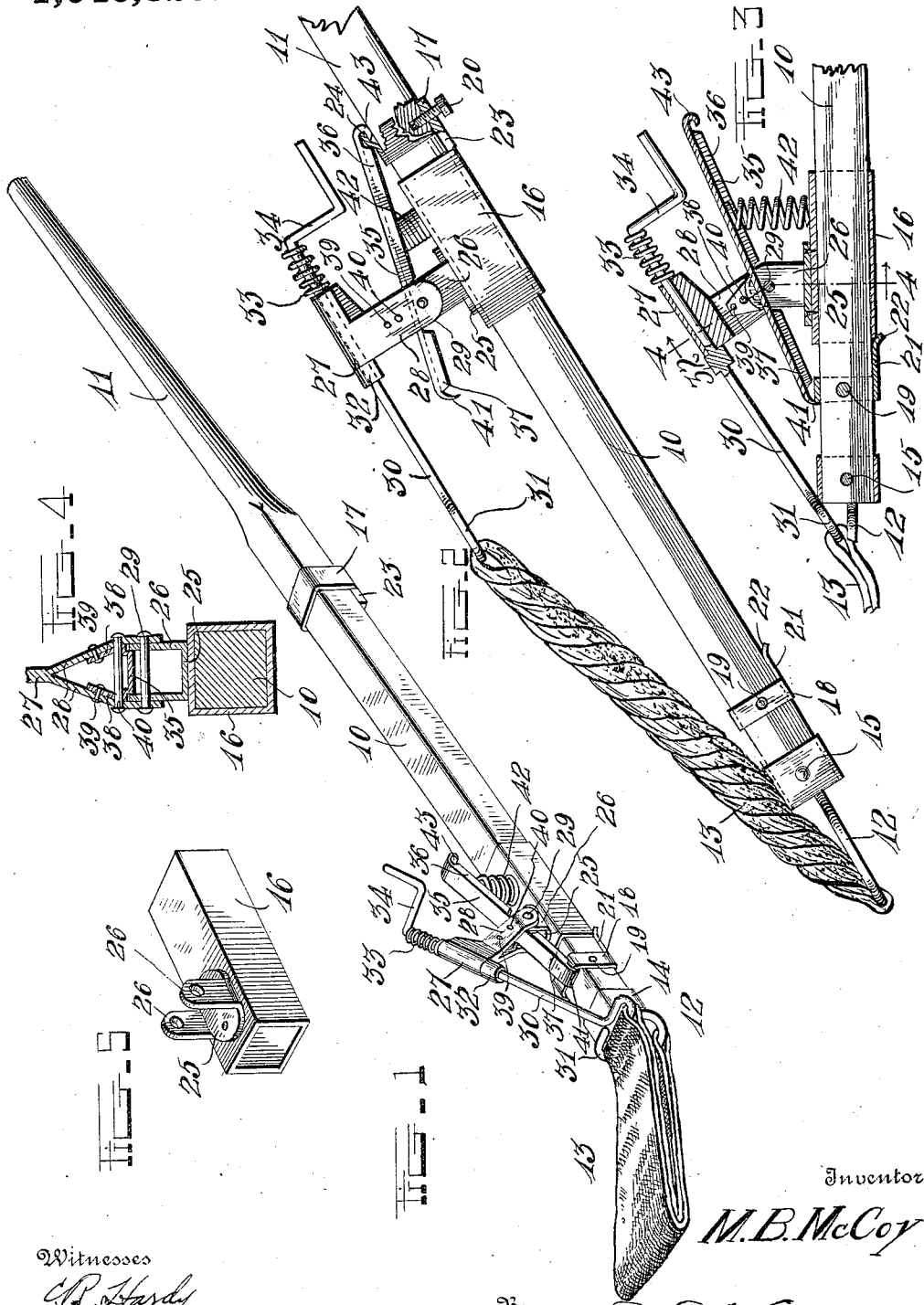


M. B. McCOY.
 COMBINED MOP HOLDER AND WRINGER.
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1,046,829.

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Witnesses

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COMBINED MOP HOLDER AND WRINGER.

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To all whom it may concern:

Be it known that I, MILTON B. MCCOY, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented certain new and useful Improvements in Combined Mop Holders and Wringers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a mop holder and wringer and the principal object of the invention is to provide the mop holder with an attachment so that the mop may be very readily wrung out after being dipped into the water.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and: Figure 1 is a perspective view of the mop in the position to be used. Fig. 2 is a side elevation showing the wringer in operation. Fig. 3 is a fragmentary sectional view of the mop holder in the position shown in Fig. 1. Fig. 4 is a transverse section along the line 4-4 of Fig. 3. Fig. 5 is a perspective view of the sleeve which carries the wringing mechanism.

Referring to the accompanying drawings it will be seen that this mop holder comprises a handle 10 having a rounded upper portion 11 so that the mop may be conveniently handled. An eye 12 is mounted in the end of the mop and acts as a holder for one end of the mop 13. The end of the handle in which the eye is mounted is reinforced by a collar 14 which is held in place by means of the securing pin 15. A sleeve 16 is slidably mounted upon the handle 10 and is limited in its movement by the collars 17 and 18, the collar 18 being rigidly mounted upon the handle by means of the pin 19 and the collar being adjustably secured in place by means of the set screw 20. The collar 18 is provided with a lip 21 having a curved end 22 beneath which the sleeve 16 fits when moved to the position shown in Fig. 3. The collar 17 also carries a lip 23 which limits the movement of the sleeve and has its upper portion raised to form a pocket 24 so that the sleeve may be held in the position shown in Fig. 2. A plate 25 which carries the pivot ears 26 is secured to the sleeve 16 and the latch and wringing mechanism are pivotally mounted upon the pivot ears 26.

The wringing mechanism comprises the bearing 27 from which extend the arms 28, the arms being pivotally connected with the pivot ears by means of the pin 29. A crank shaft 30 passes through the bearing 27 and is provided at one end with an eye 31 in which the mop 13 is mounted. A stop 32 is formed on the crank shaft and is positioned on one side of the bearing, and a spring 33 is mounted upon the crank shaft at the opposite side of the bearing and has one end bearing against the bearing 27 and the opposite end bearing against the handle 34 of the crank shaft. The latch is rigidly mounted between the arms 28 and comprises a plate 35 which is provided with the side flanges 36 and 37. Tongues 38 extend from the plate 35 between the flanges 36 and 37 and have their inner portions bent at right angles and their end portions converging as clearly shown in Fig. 4. The tongues 38 are positioned between the arms 28 and are secured in place by means of the rivets 39 and pin 40. The forward end of the plate is bent to form a bill 41 which engages the collar 18 as shown in Fig. 3, so that the mop will be held in the position shown in Figs. 1 and 3, the rear end of the plate being held in an elevated position by means of the spring 42. A hook 43 is formed at the rear end of the plate and fits in the pocket 24 so that the wringing mechanism may be held in the position shown in Fig. 2. When using this mop the sleeve 16 is moved to the position shown in Fig. 1 and the mop dipped in the bucket of water. The catch is then released from the collar 18 and the sleeve moved to the position shown in Fig. 2 with the hook 43 fitting in the pocket 24. The crank shaft is then turned in its bearing so that the mop will be twisted, thus wringing out the desired amount of water. The spring 33 permits the mop to be twisted very tightly without any danger of tearing the mop or bending the parts of the mop holder as would be the case if the crank shaft were rigidly mounted in the bearing. After the desired amount of water has been wrung out of the mop the handle is turned in the opposite direction so that the mop will be untwisted and the sleeve is then returned to the position shown in Fig. 1 with the bill 41 engaging the collar 18 and the sleeve fitting beneath the curved end 22 of the lip 21. This causes the sleeve to be held tightly in place so that it can have no longitudinal

movement upon the handle while using the mop. It should be noted that the collar 17 is adjustably mounted so that the wringing mechanism may be adjusted according to the length of the mop used.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that minor changes may be made in the form and construction thereof without departing from the material principles thereof and it is therefore not wished to confine the invention to the exact form herein shown and described but it is wished to include all such as properly come within the scope of the appended claims.

Having thus described the invention what is claimed as new, is:

1. A mop holder comprising a handle, a sleeve adjustably mounted upon said handle, a bearing pivotally connected with said sleeve, means for holding said sleeve in an adjusted position, a crank shaft mounted in said bearing, a stop formed upon said crank shaft to one side of said bearing, a spring mounted upon said crank shaft between the

handle of said crank shaft and the opposite end of said bearing, the outer end of said crank shaft being adapted for engagement with a mop, and means carried by said handle for holding the opposite end of a mop.

2. A mop holder comprising a handle, a sleeve slidably mounted upon said handle, stops mounted upon said handle to each side of said sleeve, a bearing, arms extending from said bearing and pivotally connected with said sleeve, a plate passing between said arms and rigidly connected therewith, a spring carried by said sleeve and engaging said plate to normally hold said plate in a position to engage one of said stops, the ends of said plate being adapted for engagement with said stops, and combined holding and wringing means mounted in said bearing.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

MILTON B. McCOY.

Witnesses:

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