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A. F. JUSTIS

1,709,622

MOP

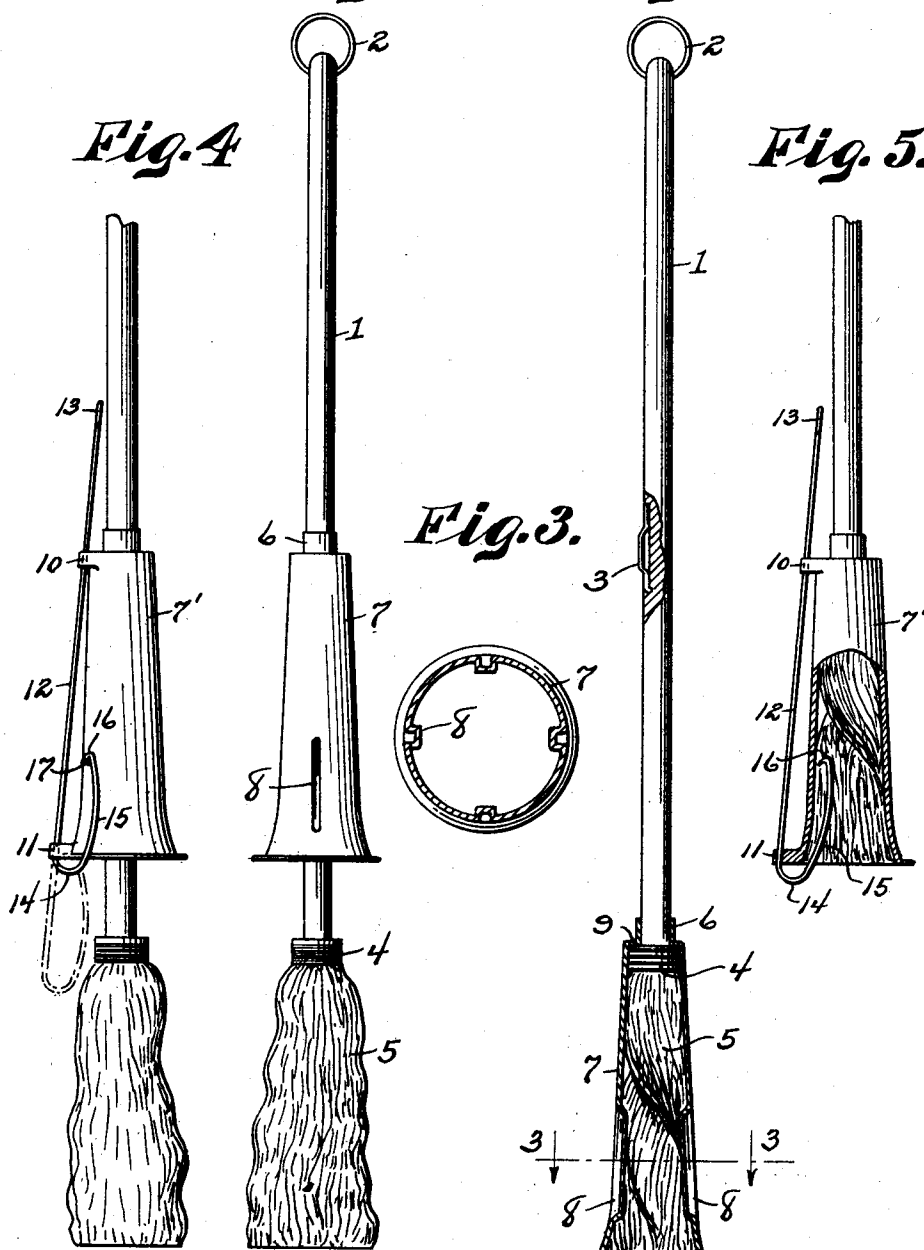
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Fig. 1.

Fig. 2.

Fig. 4.

Fig. 5.



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MOP.

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My present invention has reference to mops and is particularly directed to a means associated with a mop designed for slidable engagement on the mop handle, latched in a position above the mop head, but movable over the mop head to permit of the same being turned thereon and to wring the water from the mop head.

A further object is the provision of a wringing device for mops that comprises a conical or flared sleeve having inwardly directed longitudinally arranged ribs thereon, the said sleeve being slidable over the handle of the mop and being designed for engagement with the spring latch for holding the same above the mop head, and being likewise movable over the mop head and designed to be held by one hand of the operator when his other hand turns the handle of the mop, thereby turning the mop head in the sleeve to cause the same to become engaged by the ribs on the sleeve and thereby compressed to express all of the water from the mop head.

The improvement also resides in certain other novel features of construction, combination and operative association of parts, one satisfactory embodiment of which is disclosed by the accompanying drawings.

In the drawings:

Figure 1 is a side elevation of a mop in accordance with this invention.

Figure 2 is a similar view with parts broken away and parts in section and also showing the water expressing sleeve arranged over the mop head.

Figure 3 is a sectional view through the sleeve approximately on the line 3—3 of Figure 2.

Figure 4 is a side elevation illustrating a modification.

Figure 5 is a similar view with parts broken away showing the manner in which the water is extracted from the mop head.

The handle of the mop is round in cross section and is indicated in the drawings by the numeral 1. The handle at one end has attached thereto a ring 2 whereby the mop may be suspended from an elevated support or from a nail or the like. The handle has secured therein the angle ends of a substantially U-shaped spring catch 3. The handle is screwed or otherwise secured in the block 4 that carries the brush 5 of the mop head.

Arranged for slidable movement on the handle 1 there is a reduced neck portion 6 of a conical or bell-shaped sleeve 7. The

sleeve is formed with inwardly directed longitudinally extending ribs 8. The sleeve when moved away from the mop head over the handle is designed to have the shoulder 9 between the neck 6 and the screw collar engaged by the catch 3 and effectively sustained in the position illustrated by Figure 1 of the drawings so that the mop may be used in the usual manner. When water is to be expressed from the mop a downward pressure is exerted upon the sleeve, bringing the same to a position illustrated in Figure 2. One hand grips the sleeve and the other turns the handle 1 so that the fibres constituting the head 5 will be twisted upon themselves and the water contained in the mop head will be expressed therefrom.

In Figures 4 and 5 the construction is substantially similar to that previously described. The sleeve 7', however, adjacent to its top and its open mouth is formed with outwardly extending ears 10 and 11, respectively. Through openings in these ears there is arranged a slidable rod 12. This rod is round in plan and is comparatively heavy so that the same cannot be easily bent. There is preferably a slight frictional engagement between the openings in the ears 10 and 11 and the rod 12 to hold the rod from free movement there-through. The outer end of the rod is formed with an eye portion that affords a handle 13, the inner end of the rod being rounded upon itself, as at 14, and extended in the direction of the rod proper to form a curved finger 15. Preferably the outer end of this finger 15 is hooked, as at 16, and the sleeve 7' has arranged thereon a lug or stud 17 to receive the hook therein when the rod is in the position illustrated by Figure 4.

Before the sleeve is moved to receive the mop head therein the rod is first pushed outwardly and then turned and drawn in an opposite direction to bring its finger 15 into the said sleeve, and thereafter the sleeve is moved to receive the mop head therein. The finger performs the same function as the ribs 8.

The improvement is of an extremely simple construction and the advantages thereof will, it is thought, be understood when the foregoing description has been carefully read in connection with the accompanying drawing. Obviously I do not wish to be restricted to the precise details herein set forth and, therefore, hold myself entitled to make such changes therefrom as fairly fall within the scope of what I claim.

Having described the invention, I claim:

In combination, a mop including a head having a handle attached thereto, a sleeve slidable on the handle and movable over the
5 head of the mop, means for contracting with the fibres of the mop to cause the same to be twisted upon themselves and the water expressed therefrom when the sleeve is turned around the mop head, said means including a
10 rod guided through bearings adjacent the top and bottom of the sleeve, said rod having its

lower end rounded and formed with a curved portion that merges into a hook, the curved portion being adapted to be received within the sleeve or to be secured exteriorly thereof, 15 the sleeve having on its outer face a stud to engage with the hook when the latter is arranged exteriorly of the sleeve, and means for latching the sleeve on the handle for holding the same elevated above the mop head. 20

In testimony whereof I affix my signature.

ANDREW F. JUSTIS.