May 2, 1933. W. A. WEST 1,907,284

MOP MOUNTING

Filed June 15, 1932

Fig. 1.

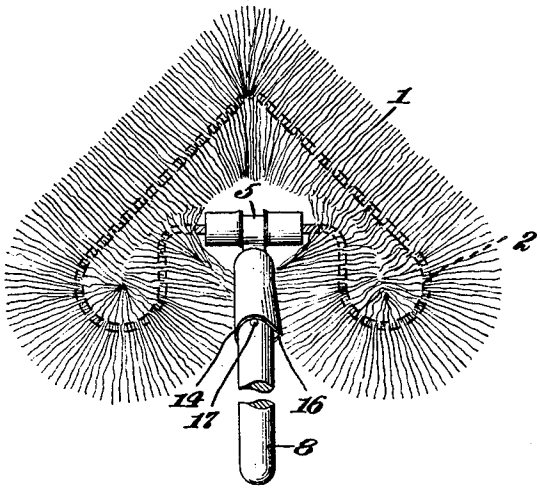


Fig. 2.

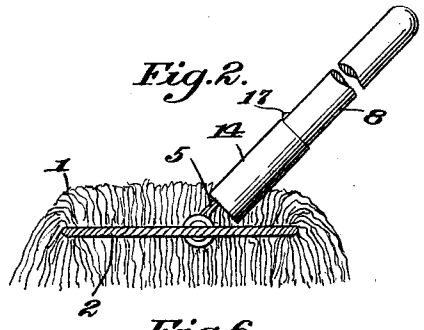


Fig. 6.

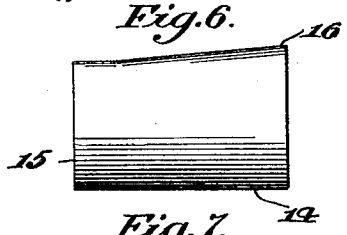


Fig. 7.

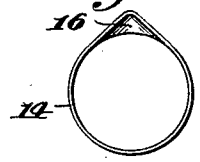


Fig. 3.

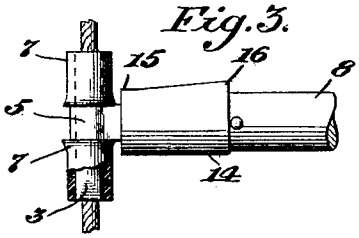


Fig. 8.

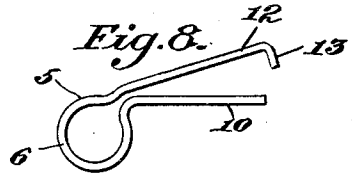


Fig. 4.

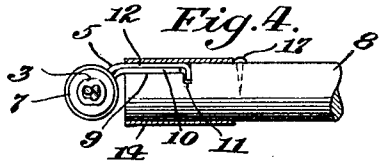


Fig. 9.

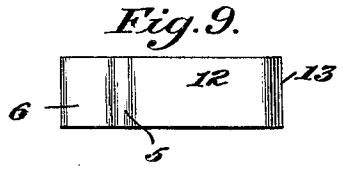
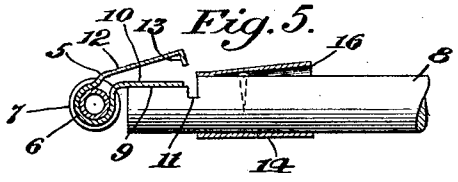


Fig. 5.



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UNITED STATES PATENT OFFICE

WILLIAM A. WEST, OF BALTIMORE, MARYLAND

MOP MOUNTING

Application filed June 15, 1932. Serial No. 617,428.

My invention relates to improvements in a mop mounting, and the objects thereof are to produce such a mounting wherein: one, the handle may be readily removed or made fast to the mop portion, two, both sides of the mop head may be used equally conveniently, three, the rigid part of the head and mounting may be kept from contact with the surface mopped, four, the mop head may be restrained in its rotation about the mounting.

I attain these and other objects and advantages by the mechanism illustrated in the accompanying drawing, in which,

Figure 1 is a plan view of the mounting and mop.

Fig. 2 is a side view thereof with a portion of the mop strands removed.

Fig. 3 is a top view of the mounting, partly in section.

Fig. 4 is a side view thereof, partly in section.

Fig. 5 is a side partial sectional view showing the method of removal of the mounting.

Fig. 6 is a side view of the sleeve.

Fig. 7 is an end view thereof.

Fig. 8 is a side view of the band.

Fig. 9 is a top view thereof.

In the drawing, similar reference characters refer to similar parts through the several views.

The strands 1 of the mop are held by twisted wires 2, the ends of which are brought together and held in tube 3, which is crushed around the wires to hold them tightly, as shown in Fig. 4. Band 5 is looped upon itself to form a bearing 6 to rotatably surround the tube 3, which may be termed the journal.

On the journal or tube 3. at each side of the bearing 6 are rubber collars 7 which are crowded tightly against the bearing to limit its freedom of rotation, and thereby to hold the mop head resiliently in any given position. The rubber collars are larger in outer diameter than the bearing, and extend to the ends of the tube 3, thereby keeping both tube and bearing out of contact with the surface mopped. The mop handle 8 is flattened at its end, as at 9, and upon this surface the free ends of the band 5 are compressed, the inner end 10 being short, and stopping short of the groove 11 in the handle, the outer end 12 having a tongue 13 thereon fitting over the inner end and into the groove to prevent relative longitudinal movement of the ends and handle. The band is resilient and tends to spread the ends, which are held in place on the stick by sleeve 14 which is round at its end 15 near the mop but at its outer end, part of its circumference is enlarged, as at 16. This construction allows the enlarged portion to slip over knob 17 upon sliding the sleeve to release the band ends, but prevents it from sliding up far by its round end, and when the sleeve is pushed down over the band ends, and twisted around, the sleeve is held by the knob from sliding up.

The band is bent, at its bearing portion, so that the axis of the journal 3 would be intersected by the extension of the center of the handle as shown in Figs. 4 and 5. This places the bearing in the center of the handle, so that either side of the mop could be placed flat against say, a wall, which was being dusted.

I have illustrated and described my invention in a form which I have found very economical and satisfactory, but it is apparent that it may be modified in many details, and I intend to limit the scope thereof only by the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In a mop mounting, a mop holder, a handle, a sleeve, a band looped around a part of the mop holder to hold the same, the free ends of said band being folded together and

held securely upon one side of said handle by said sleeve surrounding said ends and handle and means to prevent relative longitudinal movement of said ends and handle.

2. In a mop mounting, a mop holder, a handle, a sleeve slidable on said handle, a band looped around a part of the mop holder to hold the same, the free ends of said band being folded together and removably held securely upon one side of said handle by said slidable sleeve surrounding the same in one longitudinal position of said sleeve and released therefrom in another longitudinal position thereof and means to prevent relative longitudinal movement of said band ends and handle, said sleeve being rotatable and tight fitting upon said handle at its end near the mop holder, and enlarged for a portion of its circumference at its other end, and a knob upon said handle immediately above said sleeve in its band ends holding position, whereby said sleeve may pass over said knob at its enlarged portion only to release said band ends and said knob will hold said sleeve toward said mop holder to hold said band ends when the sleeve is rotated so that its enlarged portion is removed from said knob.

3. In a mop mounting, a mop holder, a handle, a sleeve, a band looped around a part of the mop holder to hold the same, the free ends of said band being folded together and held securely upon one side of said handle by said sleeve surrounding said ends and handle, said handle being grooved transversely thereof and a projecting tongue on one of said band ends projecting into said groove to prevent relative longitudinal movement of said band ends and handle.

4. In a mop mounting, a mop holder, a handle, a sleeve, a band looped around a part of the mop holder to hold the same, the free ends of said band being folded together and held securely upon one side of said handle by said sleeve surrounding said ends and handle, said handle being grooved transversely thereof and a tongue projecting inwardly, into said groove, on the outer of said band ends and over the inner of said band ends to prevent relative longitudinal movement of said band ends and handle.

5. In a mop mounting, a transverse journal having extending therefrom a mop head, a handle, a sleeve, a band looped upon itself to form at one end a bearing surrounding said journal, the free ends of said band being folded together and held securely upon one side of said handle by said sleeve surrounding said ends and handle, means to prevent relative longitudinal movement of said ends and handle and a resilient collar on said journal, bearing against one side of said bearing to restrain the rotation of said journal therein.

6. In a mop mounting, a transverse journal having extending therefrom a mop head, a handle, a sleeve, a band looped upon itself to form at one end a bearing surrounding said journal, the free ends of said band being folded together and upon one side of said handle by said sleeve surrounding said ends and handle, said band being bent so that the axis of the journal would be intersected by the extension of the handle center, and means to prevent relative longitudinal movement of said band ends and handle.

WILLIAM A. WEST.