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H. J. LORANG

1,806,402

MOP HEAD

Filed March 31, 1930

Fig. 4.

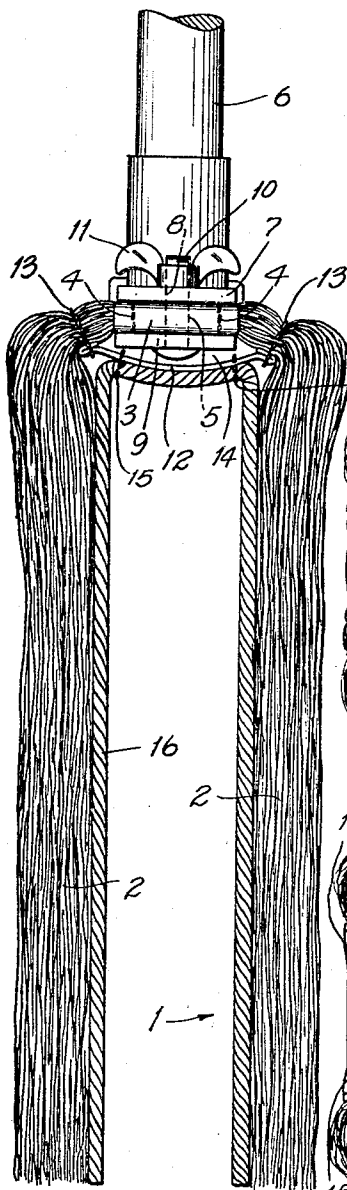


Fig. 1.

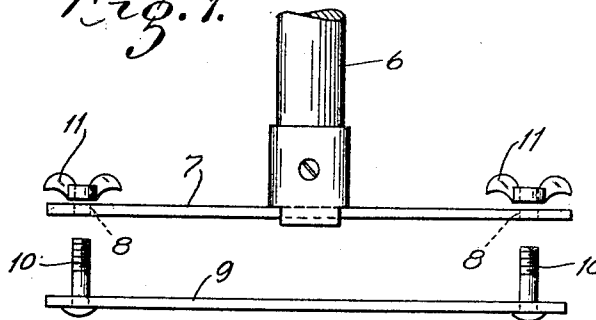


Fig. 2.

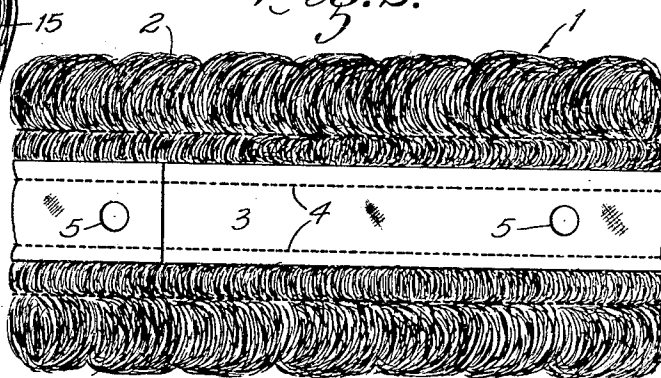
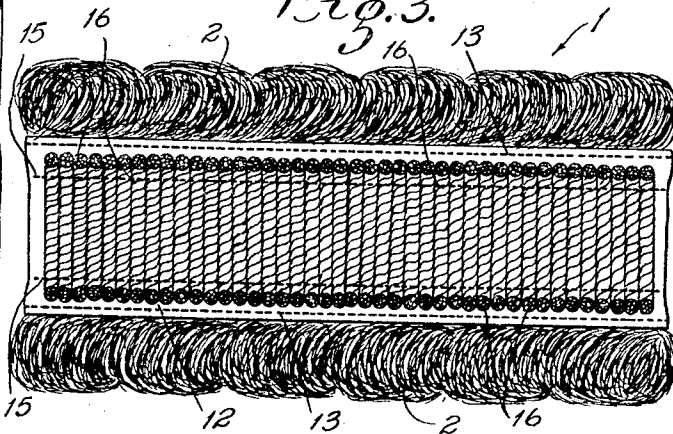


Fig. 3.



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MOP HEAD

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The general object of this invention is to provide a novel mop head, so constructed as to afford a complete cushioning of the ends and under side of the holder to which it is designed to be attached.

A further object of the invention is to provide a mop head having a greater amount of mopping material embodied in its construction than is the case with mop heads of the type to which my invention relates as now generally constructed.

With the above objects in view the invention resides in a mop head comprising a mass of strands of yarn, string, or similar material, bound together at the center by means of a surrounding band or tape, and provided in said bound portion with eyelets, to enable the mop head to be secured on a holder, and a strip of fabric secured on the under side of the mop head beneath the bound portion to provide a pocket for housing and cushioning a member of the holder to which the mop head is to be secured.

The invention further resides in securing on the under, or wearing side of the pocket forming the housing for the holder, in a manner to cover the entire surface thereof, a series of strands of yarn of the length of the strands of the mopping material, thereby adding to the bulk of the mop head and providing an additional thickness of material on the wearing side of the said pocket.

The invention is illustrated in the accompanying drawing, in which—

Fig. 1, is a view in side elevation of the lower part of a holder, the handle being broken away, and the parts of the holder being separated;

Fig. 2, is a top plan view of a mop head constructed according to my invention;

Fig. 3, is a view looking on the inside of the mop head, with the supplemental yarn strands shown partly in section and

Fig. 4, is a view in edge elevation showing my improved mop head secured in position on a holder.

Referring now to the drawing, the numeral 1 indicates the mop proper which, as usual, comprises a substantially flat body of strands of yarn, or string, 2, bound together at the

center by a surrounding band of strong tape, 3, or similar material, which is sewed to the strands by means of stitches 4 at each side of the tape, which pass through the tape and the strands inclosed thereby. For the purpose of enabling the mop head to be mounted in the holder, I secure in the central, or bound, part of the mop head a pair of eyelets 5, which form apertures extending through said central portion.

A conventional form of holder is illustrated in Fig. 1, and comprises a handle 6, to the lower end of which is secured a cross-bar 7 provided with an aperture 8 near each of its ends. The numeral 9 indicates a clamping bar, which has secured near each of its ends a threaded bolt 10, which bolts are adapted to be received into the aperture 8 of cross-bar 7.

As thus far described, the mop head and holder are of conventional construction, and in practice the clamping bar 9 is applied to the under side of the bound portion of the mop head and the bolts 10 pass through the eyelets 5. The cross-bar 7 is then placed in position on the upper side of the taped portion of the mop head, the apertures 8 passing over the ends of bolt 10. Wing nuts 11 are then screwed on the bolts 10 whereby the clamping bar 9 is drawn toward the cross-bar 7 in a manner to clamp the taped portion of the mop head between them.

A mop constructed as above described presents certain disadvantages in use, one of which is the fact that the central portion of the mop head being open, as indicated in Fig. 4, mopping material will frequently, in use, be removed from under the clamping bar 9, or other similar holding member, which then is brought into engagement with the floor, or other surface being mopped, with the result that the latter is scratched or defaced.

It is one of the objects of my invention to overcome this disadvantage, and to this end I secure on the outer or wearing side of the mop head at the center thereof a strip 12 of strong material which is of a length to extend from side to side of the mop head and is secured thereto, beneath the central taped

portion, by means of lines of stitching 13 sewed through the strands of the mop head and through the side edge portions of the strip 12. The strip 12, as shown by Fig. 4, is materially wider than the tape 3, as shown by Figs. 3 and 4, and provides, in connection with said tape, a pocket 14 extending from side to side of the mop head and of a size to permit the clamping bar 9 to be inserted endwise therein and to have the bolts 10 inserted through the eyelets 5. The strip 12, as well as the taped portion 5, are of greater length than the clamping bar 9 and cross-bar 7, so that the ends of these bars are in a manner covered by the material of the mop head at the center and prevented from engaging and marring base boards, articles of furniture, or the like, with which the mop head may chance to be brought into contact. Furthermore, the clamping bar 9 is housed in the pocket 14, its underside is prevented from coming in contact with the floor by reason of being covered by the strip 12. The strip 12 however, would yield but little scrubbing or mopping action, and, with frequent use, the edges of the clamping bar 9 would gradually wear through such strip.

In order to increase the cushioning action of the strip 12 and also to add to the bulk of the mop head at the center thereof, I secure on the under side of the strip 12, by means of lines of stitches 15, a series of strands 16 of yarn, which extend down from the center of the mop head the same distance as the strands 2, as clearly shown by Fig. 4. As shown by Fig. 3, the yarn strands 16 are positioned in parallel relation cross-wise of the strip 12, and as they are usually about as large in diameter as an ordinary lead pencil, they form a relatively thick pad on the under side of the strip 12, and not only cushion the same but are of sufficient bulk to produce a scrubbing action at such times as the central portion of the mop head comes into engagement with the floor. Moreover, the free end portions of these yarn strands materially lessen the size of the opening at the central portion of the mop head, and thus add materially to the mopping action thereof.

I claim:

1. A mop head comprising a body of mopping material having a central bound portion adapted to be secured in a holder, a pocket formed on the under side of said bound portion for housing a member of the holder, and yarn strands secured on the under side of said pocket and covering the entire surface thereof.

2. A mop head comprising strands of mopping material having a central bound portion adapted to be secured in a holder, a pocket formed on the under side of said bound portion for housing a member of the holder, and yarn strands secured on the under side of said pocket crosswise thereof from end to end

of the pocket and of the length of the strands of said mopping material.

3. In combination with a holder comprising clamping bars, one of said clamping bars having bolts near opposite ends thereof, a mop head comprising a body of mopping material having a central bound portion provided with eyelets adapted to have said bolts passed therethrough, and a strip of material secured on the mop head beneath said bound portion and extending from side to side thereof, said strip affording with the bound portion a pocket for housing one of said clamping bars.

In testimony whereof, I have hereunto set my hand.

HENRY J. LORANG.