June 23, 1931. C. SPINO 1,811,336

MOP HEAD

Filed May 28, 1930

Fig. 1.

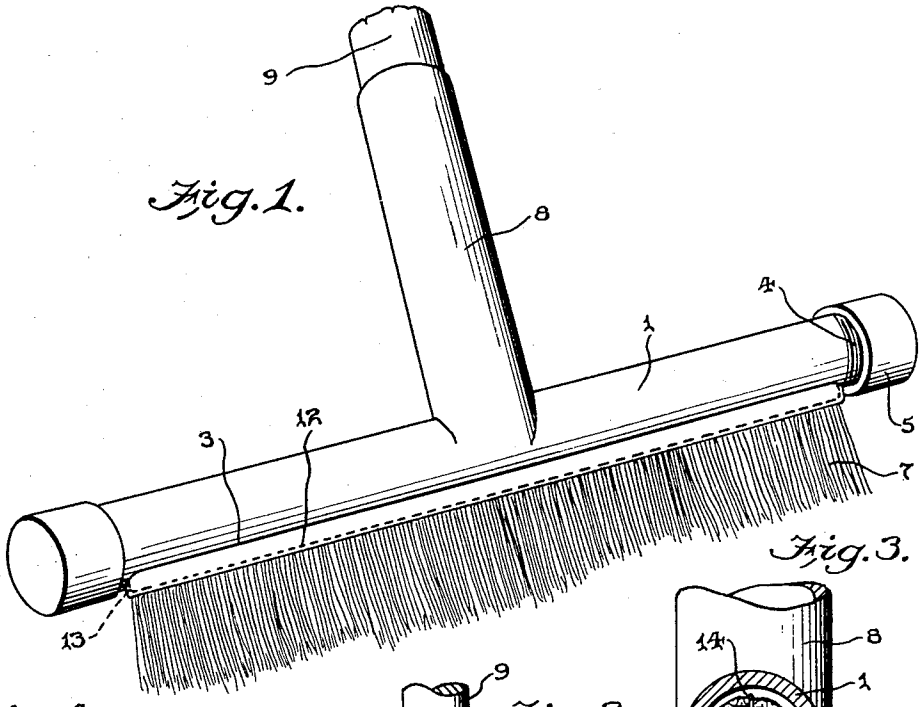



Fig. 3.

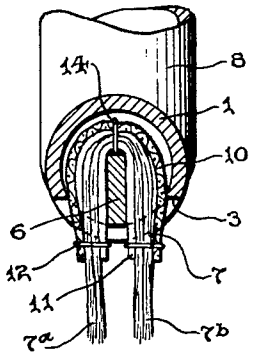



Fig. 4.

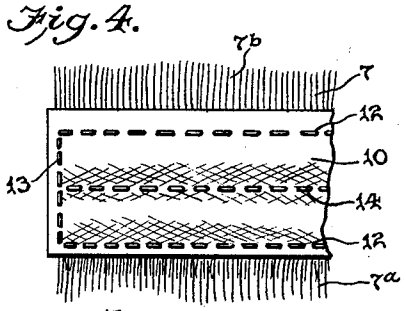



Fig. 2.




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# UNITED STATES PATENT OFFICE

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## MOP HEAD

Application filed May 28, 1930. Serial No. 456,770.

This invention relates to mop-heads.

The object of the invention is to provide a mop-head, embodying among other characteristics, a structure wherein the mop material may be readily inserted into or removed from the mop-head and yet be not liable to become detached accidentally from the mop-head, whereby a new or clean mop may be readily substituted in the mop-head for a worn or soiled mop when desired.

With the above and other objects in view, the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and set forth in the claims hereto appended, it being understood that various changes in the form, proportion, and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit of the invention or sacrificing any of the advantages thereof.

In the drawings:—

Fig. 1 is a perspective view of the invention.

Fig. 2 is a longitudinal sectional view through the holder.

Fig. 3 is a transverse sectional view on the line 3—3 of Fig. 2.

Fig. 4 is a fragmentary detail plan view of the brush in unfolded condition.

Referring now more particularly to the accompanying drawings, the reference character 1 indicates a tubular or other form of holder mop-head having a closed end 2.

The mop-head 1 is composed preferably of metal and it is provided with a longitudinal slot 3 which extends from adjacent the inner closed end 2 of the slot to and through the opposite end of the mop-head. The opposite end of the mop-head is exteriorly screw-threaded as at 4 and the slot 3 extends through this screw threaded portion. The screw threaded end 4 of the mop-head is adapted to receive an interiorly threaded cap 5 which is removable to permit insertion and withdrawal of a relatively long flat bar 6 adapted to detachably secure the mop material 7 in the mop-head.

A tubular metallic or other handle socket 8 is secured in any suitable manner to the mop-head for the reception of a handle 9 of any suitable material.

The mop 7 is composed of fibrous strands, secured intermediate their ends, between strips of woven fabric 10 and 11. These woven fabric strips are sewed together at their ends and also along their longitudinal edges, as indicated at 12 and 13, respectively. A seam 14 is also formed in the strips of woven fabric along a longitudinal line intermediate the edge seams 13 so as to provide a crease to receive a longitudinal edge of the aforesaid flat mop securing bar 6 over which the mop is folded to provide separate brush mopping portions $7^a$ and $7^b$, as shown.

To insert the mop material in the mop-head, the cap 5 is unscrewed and removed from the respective end of the mop-head. The flat bar 6 is positioned with one of its edges placed along the aforesaid intermediate seam 14 and the fabric strips and mop material are then folded along the line of this seam 14 over the flat bar 6. The folded mop, along the line of the seam 14, has a thickness such as to enable the fold to pass with some pressure into the slot 3 of the mop-head. The cap 5 having been removed, as stated immediately above, one end of the flat bar 6 is permitted to project slightly beyond the respective side of the mop, that is, a distance substantially the distance between the closed end of the slot 3 and the closed end of the mop-head. In this position of the flat bar with relation to the mop the projecting end of the bar is inserted through the slot 3 into the closed end of the mop-head and the flat bar 6 and the mop material is then forced into the slot 3 of the mop-head with the last end of the bar positioned in the slot lying within the screw threaded portion of the mop-head when the cap 5 is then screwed on to the screw threaded end of the mop-head. When the mop has been thus positioned in the mop-head and the cap 5 screwed on to the screw threaded end of the mop-head, as stated, the mop is secured in operative position in the head against accidental removal from the mop-head because of the flat bar having its ends within the closed end of the mop-head and within the area of the cap

5 as should now be readily understood from the foregoing description taken in connection with the accompanying drawings.

It will thus be seen that I provide a simple, inexpensive and durable mop-head with which may be associated mop material in a manner to render a ready substitution of a new mop for an old or soiled one, when desired.

What is claimed:

1. A mop-head comprising a tubular member closed at one end and provided with a longitudinal slot extending from adjacent said closed end to and through the opposite end of said tubular member, said slot permitting passage of a mop into said tubular member, the last-mentioned end of the tubular member being exteriorly screw threaded, an interiorly screw threaded cap having threaded fit with said exterior screw threaded portion of the tubular member, and a bar in the tubular member to secure the mop from accidental withdrawal from the tubular member.

2. A mop-head comprising a tubular member closed at one end and provided with a longitudinal slot extending substantially throughout the length thereof and permitting passage of a mop into said tubular member, a cap removably connected to the end opposite the closed end of the tubular member, and a bar to maintain the mop in the tubular member and maintained therein against accidental disconnection by said cap.

In testimony whereof, I have hereunto set my hand.

CAMILLO SPINO.