T. E. GAVIN.

MOP HOLDER.

APPLICATION FILED MAY 24, 1916.

1,267,398. Patented May 28, 1918.

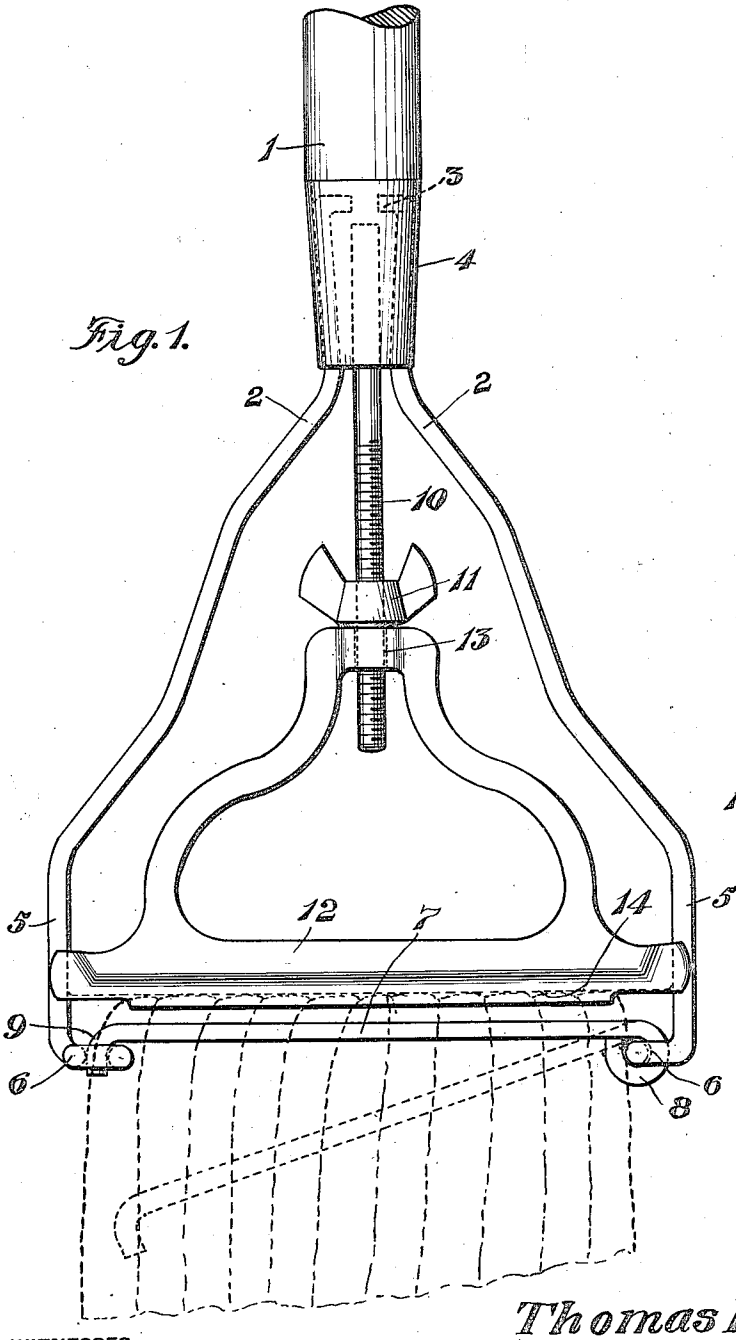


Fig. 1.

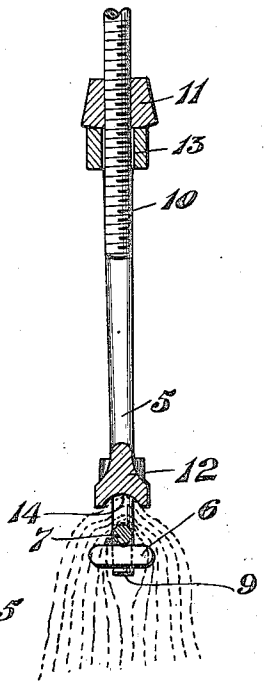


Fig. 2.

WITNESSES

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MOP-HOLDER.

1,267,398. Specification of Letters Patent. Patented May 28, 1918.

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To all whom it may concern:

Be it known that I, THOMAS E. GAVIN, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Mop-Holders, of which the following is a specification.

My invention relates broadly to that class of inventions known as brushing and scrubbing, and more particularly has reference to a mop holder.

As the particular object, this invention contemplates the provision of a mop holder embodying novel means whereby the mop cloth can be quickly and expeditiously applied to and removed from position.

It is a more specific object of this invention to pivotally connect a cross bar, which serves to support the mop cloth, to one of the main side bars and removably associate the said cross bar with the other side bar so that in effect the side bars and cross bar to constitute a frame with which coöperates a follower slidably mounted therein and adapted to removably bear against the cross bar so as to removably hold the mop cloth therebetween.

A still further object of my invention resides in the provision of a device of the character described that is simple in construction, efficient in operation and one that can be manufactured and placed on the market at a minimum cost.

Other objects as well as the nature, characteristic features and scope of my invention will be more readily understood from the following description taken in connection with the accompanying drawings and pointed out in the claim forming a part of this specification.

In the drawings:

Figure 1 is a front elevation of my invention, the dotted lines indicating the cross bar when disengaged to permit of the removal or application of the mop.

Fig. 2 represents a transverse sectional detail.

Referring more particularly to the drawings in which similar reference numerals designate like corresponding parts throughout the different views, I have associated with the reduced end of a handle 1 complemental side bars 2. The bars have their inner ends anchored in the reduced ends of the handle preferably as indicated by the numeral 3 and are held in position through the medium of a sleeve 4. The bars are desirably arranged in divergent relation with each other and have portions 5 adjacent their outer terminals and arranged in spaced parallel relation with each other. Eyes 6 are formed on the terminals of the bars 2 and are arranged desirably at right angles thereto.

In order to facilitate the expeditious removal and application of a mop, I have provided my improved cross bar 7. A loop 8 is formed upon one end of the bar 7, through the medium of which pivotal connection is maintained with one of the loops 6. A hook 9 is formed on the free end of the cross bar and is removably engaged in the eye 6 on the other bar. As is readily apparent when this bar 7 is in position as indicated in Fig. 1, a substantial frame is provided.

A threaded rod 10 is anchored on one end of the handle and extends longitudinally from the handle, being positioned between the side bars 2. A winged nut 11 is adjustably mounted on this rod. A follower 12 is adjustably associated with the rod as indicated by the numeral 13, and has the respective ends thereof slidably mounted between the parallel arranged portions 5 of the side bars. The end surface of the follower is provided with a groove 14 which extends longitudinally thereof and which groove is adapted to receive a mop arranged on the cross bar 7 when the latter is in position as illustrated in Fig. 1. It is thought to be readily apparent that by actuating the winged nut 11 the follower 12 will coöperate with the bar 7 and clamp the mop therebetween. When it is desired to remove the mop, it is only necessary to unscrew the nut 11 lift the follower a sufficient extent to permit of the removal of the hook 9 from engagement with the eye 6 to consequently permit of the removal of the mop.

One of the principal advantages incident to the use of this device is the manner in which stringy mops, which have become twisted together, can be removed from position by merely disengaging the hook 9 and sliding the mop longitudinally along the bar 7 a new mop can be applied in any desirable manner and the bar 7 can be again engaged, whereupon the follower 12 can be subsequently adjusted to rigidly maintain the mop in position.

Although I have shown and described the preferred embodiment of my invention, I

desire it to be understood that I am not to be limited to the exact detail shown, however, I desire that great stress be laid upon the arrangement of the movably mounted cross bar which serves to support the mop and which facilitates the removal and application of the mop in position.

From the above description taken in connection with the accompanying drawing, it can easily be seen that I have provided a device that is simple in construction, containing but a few simple parts that can be cheaply manufactured and assembled and when assembled can be placed upon the market and sold at a minimum cost.

It will be understood that the above description and accompanying drawings comprehend only the general embodiment of my invention and that various minor changes in detail of construction, proportion and arrangement of the parts may be made within the scope of the appended claim and without sacrificing any of the advantages of my invention.

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

A mop holder, which comprises a handle having a sleeve on one end, diverging side bars each having one end anchored in the sleeved end of the handle, said bars also serving as guides, the other and free ends of the bars being bent inwardly toward each other and provided with eyes, a cross-bar having an eye at one end and a hook at the other end, said eye being rotatably connected with a side bar eye and the hook being adapted to removably engage with the eye of the opposite side bar, said cross bar being adapted to detachably carry the mop, an approximately T-shaped movable clamping frame having grooved ends adapted to slidably engage the side bars and be guided thereby, a stationary screw stud having one end anchored in the handle and projecting therefrom between the side bars, the clamping frame being provided with a through hole so that said frame is adapted to receive and be slidably engaged on the stud, and a nut on the stud serving to force the frame downwardly for causing the transverse portion of the frame to clamp the mop on the cross-bar, said stud passing through the frame and serving to guide and coöperate with the frame independently of the position of the nut.

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

THOMAS E. GAVIN.

Witnesses:
L. N. KENYON,
A. T. KENYON.