Sept. 5, 1933. G. W. MALLORY 1,925,767

BROOM HOLDER

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Fig. 1.

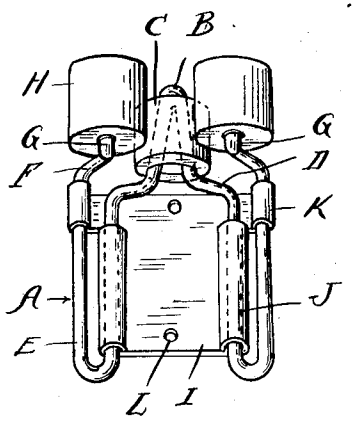


Fig. 2.

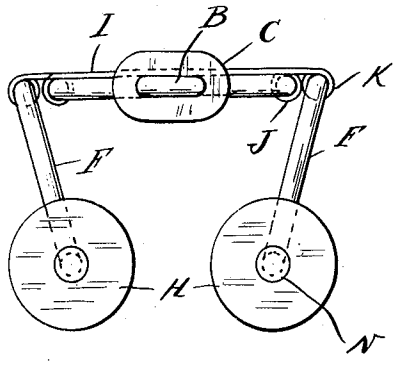
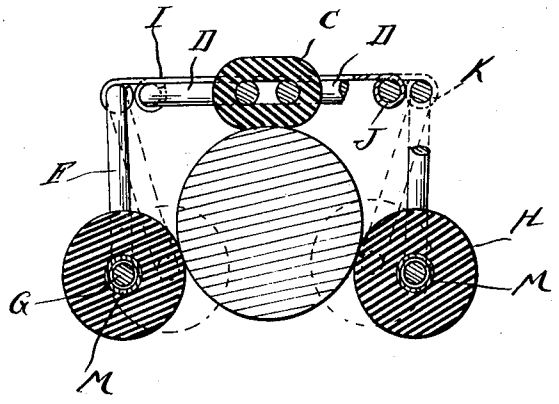


Fig. 3.



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BROOM HOLDER

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Application October 10, 1932. Serial No. 637,181

7 Claims. (Cl. 24—257)

The invention relates to holders for brooms, mops and other handled devices and the invention consists in the novel construction as hereinafter set forth.

In the drawing:

Fig. 1 is a perspective view of the device;

Fig. 2 is a top plan view;

Fig. 3 is a horizontal section showing the handle in engagement with the holder.

A is a wire frame having a central return bent portion B forming a prong for receiving the tubular cushion member C, laterally oppositely extending portions D, return bent portions E, outwardly extending arms F at the ends of the return bent portions E terminating in portions G perpendicular thereto for receiving rollers H. The portions B and G are parallel to each other and in substantially the same horizontal plane so that the cushion C and rollers H will be arranged at the apices of the triangular space.

To secure this wire frame to the wall or other support I preferably provide a sheet metal plate I which extends between the parallel return bent portions E and has its opposite sides slitted inwardly and bent to form loops or eye members for embracing the legs of the return bend E. The loop J which engages the inner leg of the return bend, is of considerably greater length than the loop K which engages the outer leg of said return bend and the latter loop is arranged adjacent to the bend between the portion E and the portion F. The plate I is also provided with one or more perforations L for the engagement of screws or other fasteners for securing the holder to the wall.

The cushion C and rollers H are preferably formed of rubber tubing and the rollers H are provided with a tubular metallic bushing M which forms a journal bearing for engaging the portions G. This permits the rolls to freely revolve on the portions G and to hold them in place the upper ends of said portions G are riveted over or otherwise enlarged as indicated at N. The cushion tube C is stretched over the return bend portion B so as to be frictionally held thereon.

With the construction as described, the plate I may be secured to the wall by screws or other fasteners and preferably in a position where the portions G and return bend B are extending upward. When thus secured a broom or other handle may be engaged by pressing it inward between the rolls H and into contact with the cushion C. This operation will spring the arms F apart and the stresses produced thereby will be distributed through the wire for a considerable distance. Thus the rocking of the arms F about the eyes K will place torsional stresses upon the return bent portions E, and the fact that the eye K is spaced a considerable distance from the return bend will avoid localizing a stress at the latter point which might shorten the life of the device. The rollers H having the tubular metallic bushings M will be freely rotatable upon the portions G so as to facilitate the easy engagement and disengagement of the handle. On the other hand, the fact that the axes of these rolls are parallel to the handle will prevent any rolling action by the load on the handle and as the handle is contacted at three points by surfaces having a high coefficient of friction, it will be held against downward movement even where there is considerable weight.

My improved construction is one which can be manufactured at a very low cost, is exceedingly efficient in holding the handle and has a long length of life.

What I claim as my invention is:

1. A handle holder comprising a wire frame having an intermediate wall engaging portion with a central return bent portion, and return bent portions upon opposite sides thereof, arms projecting outward from the latter return bent portions terminating in portions perpendicular thereto, a tubular cushion sleeved upon said first mentioned return bent portion, rollers engaging said perpendicular portions between which the handle may be inserted into contact with said cushion, and means for securing said wall engaging portion to the wall.

2. A handle holder comprising a wire frame fashioned to have an intermediate wall engaging portion with a central return bent portion and oppositely extending return bent portions on opposite sides of said central return bent portion, an arm projecting outward from one of the legs of each of said last mentioned portions terminating in an upwardly extending perpendicular portion, a rubber tube engaging said first mentioned return bent portion to form a cushion bearing, rubber faced rollers engaging said perpendicular portions between which the handle may be inserted into engagement with said cushion and means for securing said wall engaging portion to the wall.

3. A handle holder comprising a wire frame fashioned to form a central return bent portion, portions extending laterally therefrom in opposite directions and oppositely arranged parallel return bent portions at the ends of said laterally extending portions, arms projecting outward from said latter return bent portions terminating in upwardly extending perpendicular por-

tions, a wall engaging plate connecting said parallelly arranged return bent portions, a rubber tube sleeved on said first mentioned return bent portion to form a cushion and rubber faced rolls engaging said perpendicular portions between which the handle may be inserted into contact with said cushion.

4. A handle holder comprising a wire frame fashioned to have a central return bent portion, portions extending laterally therefrom in opposite directions and oppositely arranged parallel return bent portions at the outer ends of said laterally extending portions, all of said portions being in the same plane, arms projecting outward from said parallelly arranged return bent portions terminating in upwardly extending perpendicular portions, a wall engaging plate extending between said parallelly arranged return bent portions and having eyes embracing the inner legs thereof adjacent to the bend and eyes engaging the outer legs adjacent to said outwardly projecting arms, a rubber tube sleeved upon said first mentioned return bent portion to form a cushion, rolls engaging said perpendicular portions formed of rubber tubes and metallic bushings.

5. A handle holder comprising a wall engaging member, a wire frame secured thereto and having a central portion forming a prong in the plane of said wall engaging member, and spaced end portions projecting outwardly from said wall engaging member and terminating in upwardly extending portions parallel to said central prong, rubber tubes on said central prong and upwardly extending portions, the tube on said prong forming a cushion and tubular bushings for the rubber tubes on said upwardly extending portions.

6. A handle holder comprising a wire frame and an intermediate wall engaging member secured thereto, said frame being fashioned to form a central return bent portion and return bent portions upon opposite sides thereof, arms projecting outward from the latter return bent portions terminating in portions perpendicular thereto, a tubular cushion sleeved upon said first mentioned return bent portion, rollers engaging said perpendicular portions between which the handle may be inserted into contact with said cushion and means for securing said wall engaging member to the wall.

7. A handle holder comprising a wire frame and an intermediate wall engaging member, said frame fashioned to have a central return bent portion and oppositely extending return bent portions on opposite sides of said central return bent portions, arms projecting outward from one of the legs of each of said last mentioned portions terminating in an upwardly extending perpendicular portion, a rubber tube engaging said first mentioned return bent portion to form a cushion bearing, rubber faced rollers engaging said perpendicular portions between which the handle may be inserted into engagement with said cushion and means for securing said wall engaging portions to the wall.

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