May 5, 1931. K. H. TAYLOR 1,803,569

BROOM AND MOP HOLDER

Filed June 6, 1929

Fig. 1.

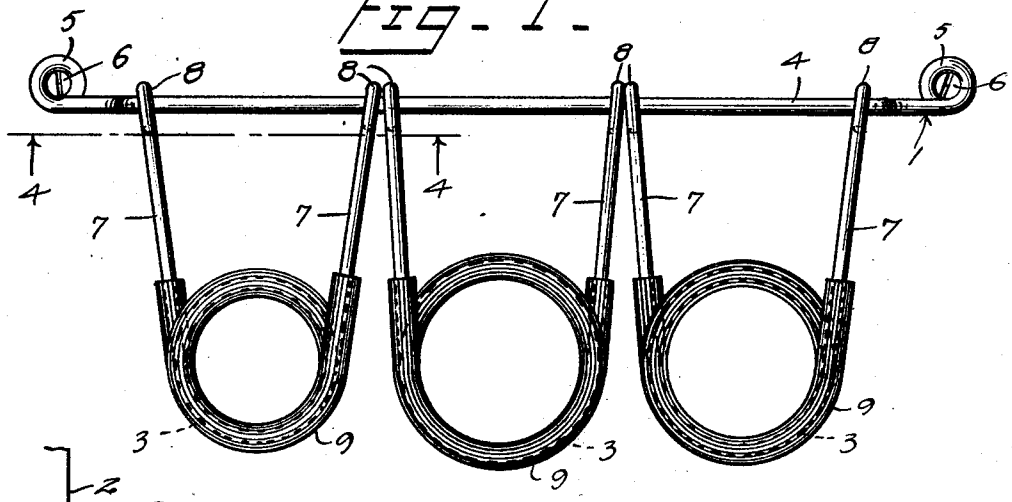


Fig. 2.

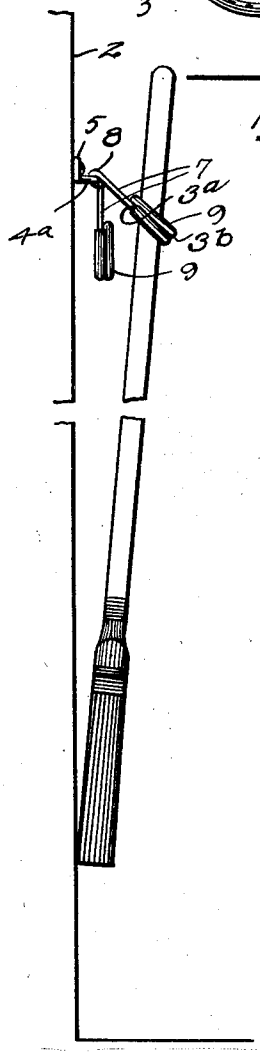


Fig. 3.

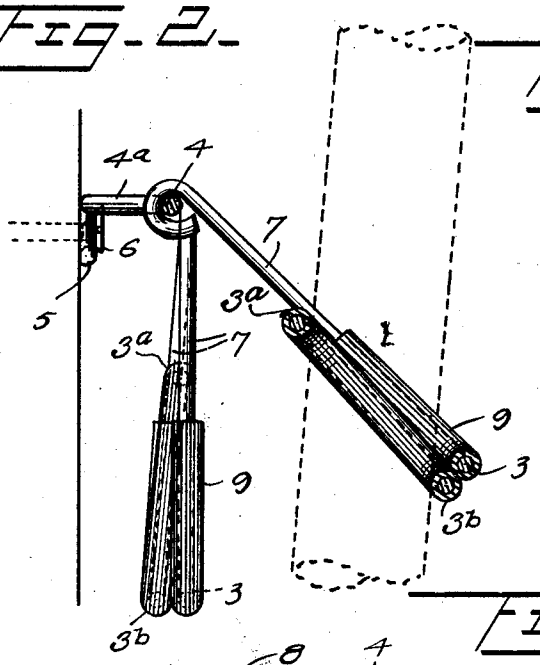
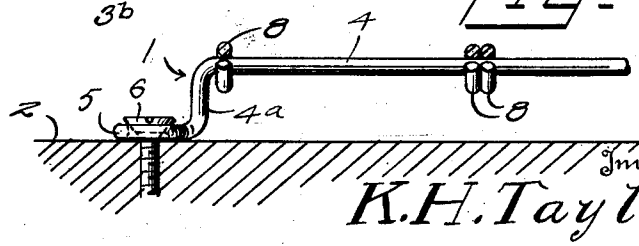


Fig. 4.



Inventor

K. H. Taylor

By Watson E. Coleman

Attorney

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UNITED STATES PATENT OFFICE

KELLY H. TAYLOR, OF BIRMINGHAM, ALABAMA

BROOM AND MOP HOLDER

Application filed June 6, 1929. Serial No. 368,907.

This invention relates to a broom and mop holder, and has for one of its objects to provide a novel, simple and inexpensive device of this character through the medium of which a plurality of brooms or mops may be suspended by their handles from a wall or other suitable support.

The invention has for a further object to provide a device of the character stated through the medium of which a plurality of brooms or mops, having handles of different thickness, may be suspended from a wall or other support without scratching, denting or otherwise marring or injuring the handles.

The invention has for a further object to provide a device of the character stated which shall embody broom or mop handle receiving rings or clamps of different diameters and connected to a wall or other support for movement into a position which will permit the broom or mop handles to be readily inserted or withdrawn therefrom and for movement into a position which will cause the broom handles to bind therein so as to effect the suspension of the mops and brooms from the support.

The invention has for a still further object to provide a device of the character stated wherein the broom or mop handle receiving rings or clamps shall be provided with friction surfaces which shall be adapted to prevent the accidental movement of the handles out of the rings or clamps and which will not mar or injure the handles.

With the foregoing and other objects in view, the nature of which will appear as the description proceeds, the invention consists in the construction, combination and arrangement of parts hereinafter fully described and claimed and illustrated in the accompanying drawings, wherein:—

Figure 1 is a view in front elevation of a broom and mop holder constructed in accordance with my invention;

Figure 2 is a view in end elevation of the holder illustrating the manner in which it is adapted to support a broom or mop;

Figure 3 is a vertical sectional view of the holder; and

Figure 4 is a sectional view taken on the plane indicated by the line 4—4 of Figure 1.

The holder comprises a bracket 1 adapted to be secured to a wall 2 or other suitable support, and a plurality of clamps 3 pivotally connected to the bracket and adapted to receive the handles of either brooms or mops.

The bracket 1 comprises a horizontal bar 4 and lugs or ears 5 for the reception of screws 6 through the medium of which the bracket is secured to the support. The terminal portions of the bar 4 are bent rearwardly, as at 4^a, so as to space the bar from the support.

The lugs or ears 5 extends outwardly from the rear ends of the angular terminals 4^a of the bar 4 so as to permit the screw 6 to be readily passed therethrough and engaged with the support. The bar 4 and its attaching lugs or ears 5 are formed integrally, and these parts are preferably made from a single length of stout wire.

The clamps 3 are in the form of closed rings, and each clamp is pivotally connected to the bar 4 through the medium of a pair of arms 7. Due to their pivotal connection with the bar 4, the clamps 3 occupy a vertically depending position when not in use, they may be raised into a horizontal or substantially horizontal position to permit the insertion of the broom or mop handles therein, and they will move into a downwardly and forwardly inclined position when released so as to secure the broom handles therein against accidental withdrawal. The arms 7 of each clamp 3 extend from the lateral sides of the clamp to and beyond the upper side of the clamp, and are provided at their free or upper ends with pivot loops 8 which surround the bar 4. The clamps 3 are of different diameters so as to permit brooms or mops having handles of different thickness to be sus-

pended by the holder. The arms of each clamp 3 are arranged in upwardly divergent relation so as to arrange the adjacent arms of the clamps in angular relation and thus permit the movement of one clamp into broom or map handle receiving or releasing position or into broom or map handle clamping position without interference from the others.

Each clamp 3 and the arms 7 and pivot loops 8 thereof are formed integrally, and are preferably made from a single length of stout wire. The length of the wire is first bent spirally and the convolutions thus formed are brought into contact with each other to provide the clamp 3. The wire is then extended beyond one side of the clamp to provide the arms 7 and then bent to provide the pivot loops 8. The manner of forming the clamp 3 arranges its upper and lower portions 3^a and 3^b in offset relation with respect to each other and in the direction of its axis as best shown in Figures 2 and 3 whereby to permit the clamp to more effectively engage the broom or mop handle. The clamps 3 are provided with a friction covering 9 which may be made from rubber, tape or the like and which insures a positive grip of the mop or broom handles.

From the foregoing description taken in connection with the accompanying drawing it should be apparent that the holder may be manufactured and sold at a comparatively low cost, that it is practically indestructible, that it may be readily secured to a wall or other support, and that the clamps each consists of but a single ring. It will be further understood that the clamps occupy a vertically depending position when not in use, that anyone of them may be readily raised into broom or mop handle receiving position, that the clamp receiving the handle will on being released fall into retaining position, and that any one of the clamps may be readily moved into handle releasing position.

While I have described the principle of the invention together with the structure which I now consider the preferred embodiment thereof, it is to be understood that the structure shown is merely illustrative and that such changes may be made, when desired, as fall within the scope of the invention as claimed.

I claim:—

1. A broom or mop holder comprising a bracket, arms pivoted to and extending downwardly from the bracket, and an annular clamp secured to the lower end portions of the arms and adapted to receive the broom or mop handle, the clamp having the upper and lower portions thereof arranged in offset relation with respect to each other in the direction of that axis of the clamp passing through the center of the clamp.

2. A broom or mop handle, comprising a bracket bar, a clamp of annular contour and of spiral formation, the convolutions of the clamp being arranged in contact, a pair of arms formed integrally with the convolutions of the clamp and extending upwardly from the lateral sides of the clamp, the arms being arranged in upwardly divergent relation, and pivot loops formed integrally with the upper ends of the arms and engaging the bracket bar.

In testimony whereof I hereunto affix my signature.

KELLY H. TAYLOR.