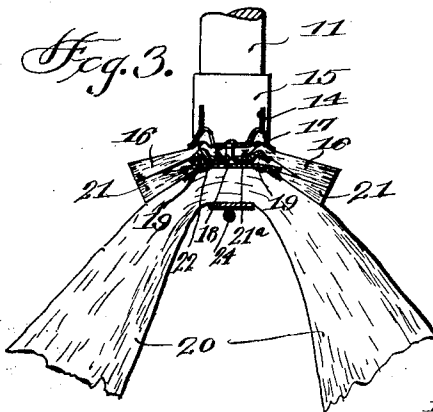
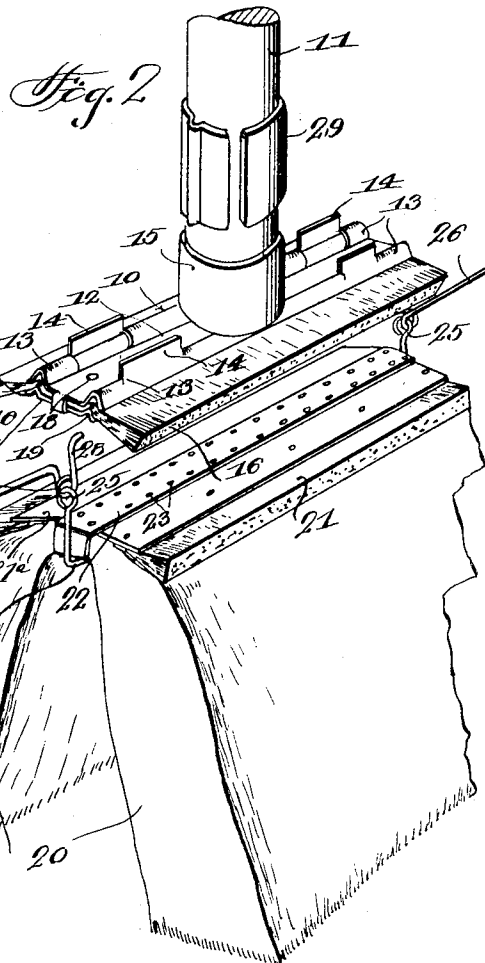
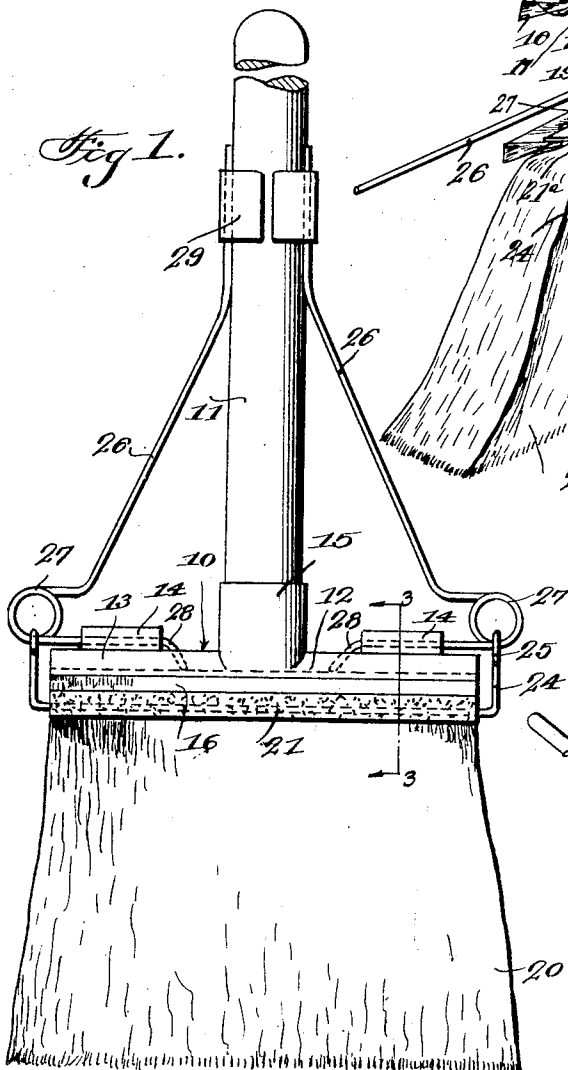
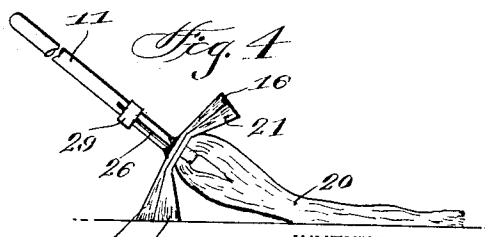


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COMBINED MOP AND BRUSH

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COMBINED MOP AND BRUSH

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My invention relates to improvements in mops and it consists in the constructions, arrangements and combinations herein described and claimed.

It is an object of my invention to provide a mop and mop head in which a brush member is associated therewith, permitting simultaneous use of both instrumentalities.

A further object of the invention is the provision of a mop having a brush secured thereto, which coacts with a brush carried by the mop head, thus affording ample scrubbing surfaces.

A still further object of the invention is the provision of a mop head having means for quickly and easily detaching the mop therefrom.

Additional objects, advantages and features of invention will be apparent from the following description and accompanying drawings, wherein:

Figure 1 is a front elevation of a mop constructed in accordance with my invention.

Figure 2 is a perspective view of the mop, disassembled.

Figure 3 is a cross section on the line 3—3 of Fig. 1.

Figure 4 is a side elevational view illustrating the mop in use.

In carrying out my invention I provide a mop head, generally indicated by the reference character 10 embodying a handle 11. The head 10 comprises a plate 12 suitably crimped to form a pair of ribs 13 extending longitudinally of the plate 12. Upon each rib 13 there is formed an upstanding lug 14, these lugs being in opposed relation as shown, for a purpose to be explained hereinafter.

Intermediate the length of the plate 12, a ferrule 15 is formed, affording attachment of the handle 11.

Bristles 16 are disposed transversely of the plate 12 and a backing plate 17 is secured to the plate 12 by fastening means 18. The plate 17 has a pair of ribs 19 which are complementary to the recesses of the ribs 13, and it will be noted that upon tightening of the fastening means 18 the middle portions of the bristles 16 will be drawn into the recesses of the ribs 13 and securely held therewithin.

A strand mop 20 is provided, this mop being of slightly less width than the mop head. Upon the mop and intermediate the ends thereof, a brush 21 is fastened, as clearly illustrated in Fig. 2. The brushes 21 may be secured to the mop in any suitable manner, and as shown, the bristles of the brush are secured to a flexible backing 21a along opposite edges thereof. The backing 21a is positioned upon the outer bight portion of the mop and is secured to the mop strands by a strap 22 passed around the strands and backing 21a. Fasteners such as staples, rivets or the like 23, are driven through the strap 22, the backing 21a, the mop strands, and through the opposite reach of the strap 22. Thus the brushes 21 will be rigidly and permanently fastened to the mop strands.

The mop 20 is fastened to the head 10, by a yoke 24 which passes through the mop immediately beneath the strap 22. The yoke 24 has eyelets 25 formed at the extremities thereof, in which respective clamp arms 26 are mounted.

The clamp arms 26 are formed from a single strand of wire, bent to form a helical spring 27 and laterally extended foot 28. The foot members 28 are disposed upon the plate 12 within the space defined by the ribs 13 and the lugs 14 prevent lateral displacement of the foot portions during fastening of the mop to the mop head.

The material forming the clamp arms is preferably steel, so as to afford the necessary resilience, and the arms 26 are of a length to extend well upon the handle 11 for securement by a slide ring 29.

From the foregoing, it will be apparent that the mop 20 may be quickly detached from the head 10 by merely sliding the ring 29 upwardly upon the handle 11 so as to free the arms 26. With the arms 26 free, they are swung outwardly as shown in Fig. 2, which movement disengages the foot portions 28 from the plate 12, and the head and mop are in detached relation.

Reference is now made to Fig. 4 of the drawings, wherein one use of my mop is illustrated. It should be noted that the bristles of the brush members 16 and 21 project be-

yond the sides of the mop 20, and by reason of this construction it is possible to employ the brushes for scrubbing operations at the same time that the mop functions in its usual capacity. Thus, one stroke of the brush may be employed to loosen hardened substances from a surface and on return stroke the mop cleans up such loosened particles.

From the foregoing, it will be seen that I have provided a combined brush and mop of simplified construction which will be efficient in operation and cheap to manufacture.

What is claimed is:

1. In a mop holder, a head having a handle, a slide ring on said handle, a yoke having eyelets at the ends of its arms, spring arms pivotally mounted in said eyelets, said arms being of a length to extend into abutting relation with said handle for engagement by said slide ring, and further having foot portions extending inwardly and engaging the upper surface of said head, said yoke serving to clamp a mop to the lower surface of said head.

2. In a mop holder, a head having a handle, a slide ring thereon, a mop engaging yoke extended longitudinally of said head, eyelets upon the extremities of said yoke, clamp arms for said yoke each including a helical spring threaded through an eyelet and a foot member, said foot members engaging the upper surface of said head and said arms extended upwardly and longitudinally of said handle for securement by said slide ring.

3. In a mop holder, a head having a handle, a ring slidable thereon, mop clamping means comprising a yoke upon the underside of said head, said yoke having eyelets at the extremities thereof, spring clamp arms pivoted in said eyelets and including a helical spring and integral foot members engaging the upper side of said head and said arms being sprung into contact with said handle for securement by said ring and to draw said yoke toward said head.

4. A new article of manufacture comprising a strand mop having a brush secured intermediate its length.

5. As a new article of manufacture, a mop comprising a body consisting of a plurality of strands, a strap member encircling said strands, a brush secured by said strap, and fastener means for securing said strap member to said body.

6. In a combined mop and brush, a head comprising a pair of plates, a brush secured therebetween, the bristles thereof projecting therefrom and being extended at an angle to said plates, a handle attached to one of said plates and a mop secured in abutting relation to the medial portion of the other of said plate members.

JOSEPH H. DWORK.