J. F. WELCH.

MOP.

APPLICATION FILED FEB. 11, 1913.

1,077,498. Patented Nov. 4, 1913.

Fig. 1.

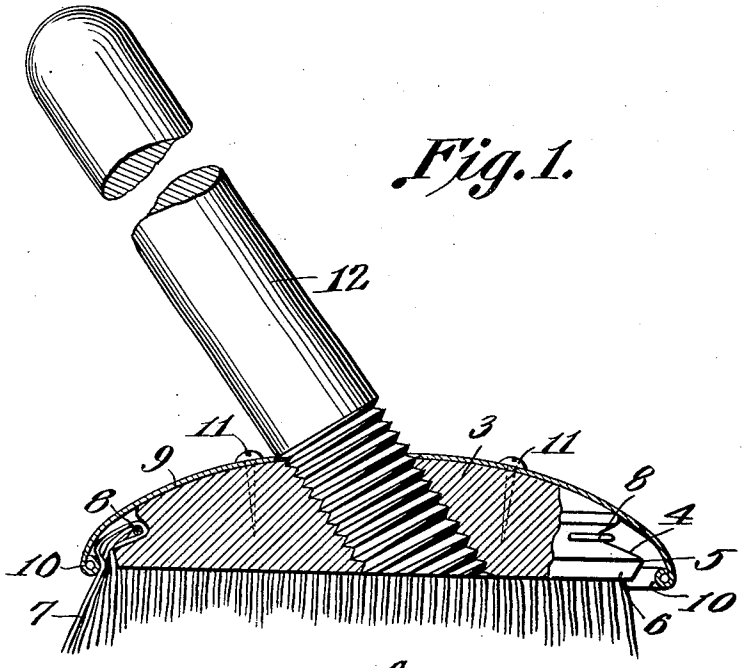
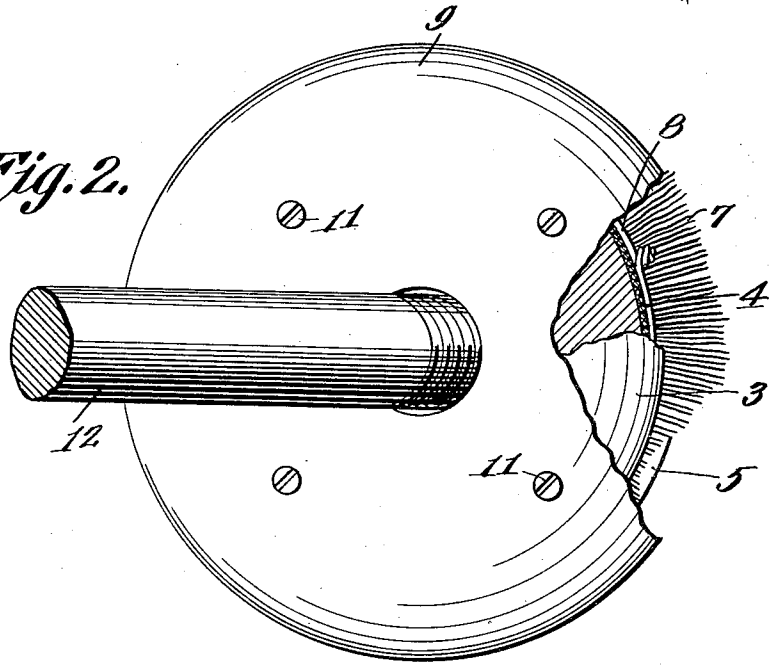


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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MOP.

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To all whom it may concern:

Be it known that I, JOHN F. WELCH, a citizen of the United States, residing at Bloomington, in the county of McLean and State of Illinois, have invented a new and useful Mop, of which the following is a specification.

The present invention appertains to mops, and particularly to mop heads.

It is the object of the present invention to provide a mop head of simple, substantial, durable, compact and inexpensive construction, which shall be convenient, serviceable and efficient in its use, and to which the fibers may be attached in a novel and efficient manner.

With the foregoing general object outlined and with other objects in view, which will appear as the nature of the invention is better understood, the present invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The preferred embodiment of the invention has been illustrated in the accompanying drawings, wherein:—

Figure 1 is a fragmental side elevation of the mop constructed in accordance with the present invention. Fig. 2 is a fragmental plan view of the improved mop.

Referring specifically to the drawings, the present or improved mop head embodies a circular block or body 3, which is preferably fashioned from wood or other suitable material and which is provided with an annular peripheral groove 4 forming a lower projecting annular ridge or rib 5. The bottom of the block is flat, whereas the top is convex, the edge of the block adjoining the ridge 5 being beveled as at 6.

The fibers have been designated by the numeral 7, the same being composed of individual strands or a continuous strand, whichever is desirable. The fibers are doubled and their bights, bends or loops are disposed in the groove 4 of the block or body 3. A wire or flexible element 8 is passed through the bights of the fibers and has its ends secured or twisted together so as to provide a band or ring embracing the fibers and clamping them in position within the groove. This wire 8 is preferably applied to the strands before they are doubled, so that after the wire has been tightened, the upper ends of the fibers or strands may be bent downwardly over the ridge 5. The fibers may be of wool, cotton or any other suitable material desirable for this purpose.

In connection with the block or body 3, there is employed a cap or cover 9 which is secured on the block so as to overhang the groove 4 and ridge 5. This cap 9 is preferably stamped from suitable sheet metal so as to snugly fit or seat upon the top of the block 3 with its edge or rim terminating in a plane below the ridge 5. The cap 9 may be plated, oxidized or otherwise finished for the purpose of wear and appearance, and the edge thereof is beaded inwardly, as at 10. This bead 10 strengthens the cap and also provides a suitable finish for the mop, but the chief function for the bead 10 is to bind the fibers 7 between the ridge 5 and the bead 10. The cap 9 is secured on the block 3 by means of nails, screws or other suitable securing elements 11 passed through the cap and taking into the block 3.

An inclined handle 12 of wood or any other material is secured to the mop head, the same having its lower end passing through an opening provided in the cap 9 and threaded or otherwise engaged through the block 3, the lower end of the handle and bottom of the block being preferably flush.

The present mop is employed in the usual manner, and a description of its use is therefore not necessary, it being noted, however, that the present mop is highly desirable and efficient in its use. The parts of the head may be readily assembled and may be separated when occasion requires.

The advantages of the improved mop herein disclosed will be manifest to those versed in the art, it being noted that the objects aimed at have been carried out satisfactorily.

Having thus described the invention, what is claimed is:—

1. In a mop head, a block having a peripheral groove forming a lower projecting ridge, doubled fibers having their bights disposed in the groove, a band passing through the bights of the fibers to clamp them in position, and a plate secured on the block and having its edge overhanging the ridge, the fibers being bound between the ridge and edge of the plate.

2. In a mop head, a block having a lower annular ridge, double fibers, a band passing through the bights of the fibers and embracing the block above the ridge, and a member secured on the block and overhanging the ridge to bind the fibers thereagainst.

3. In a mop, a head embodying a circular block having an annular peripheral groove forming a lower projecting annular ridge, the bottom of the block being flat and the top being convexed, doubled fibers having their bights disposed in the groove, a wire passing through the bights of the fibers and having its ends secured together to clamp the fibers in position, a concaved plate secured on the block and having its edge beaded inwardly below the plane of the ridge to bind the fibers between the bead and ridge, and a handle passed through the plate and taking into the block.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN FRANCIS WELCH.

Witnesses:
S. A. TOMPKINS,
ABEL BROOKS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."