

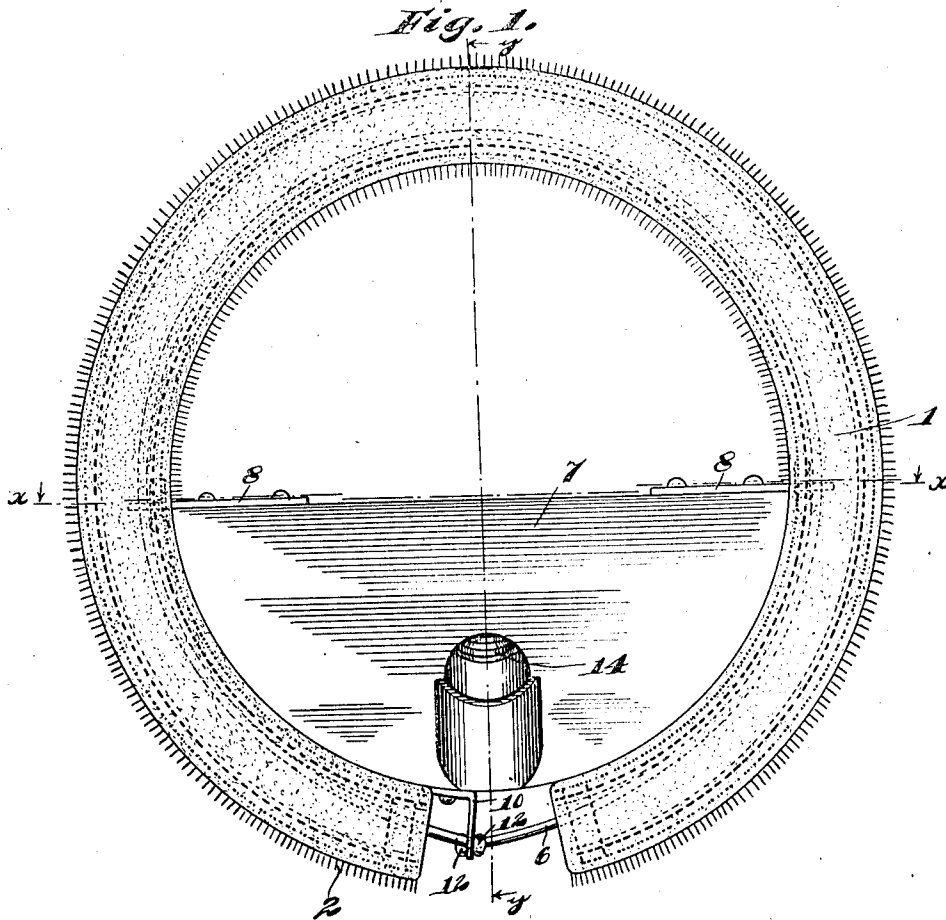
C. A. CHANNELL.
MOP.

APPLICATION FILED FEB. 17, 1912.

Patented Oct. 15, 1912.

2 SHEETS-SHEET 1.

1,041,023.



Witnesses:

C. E. Wessels.

A. A. Olson.

Inventor:

Charles A. Channell,

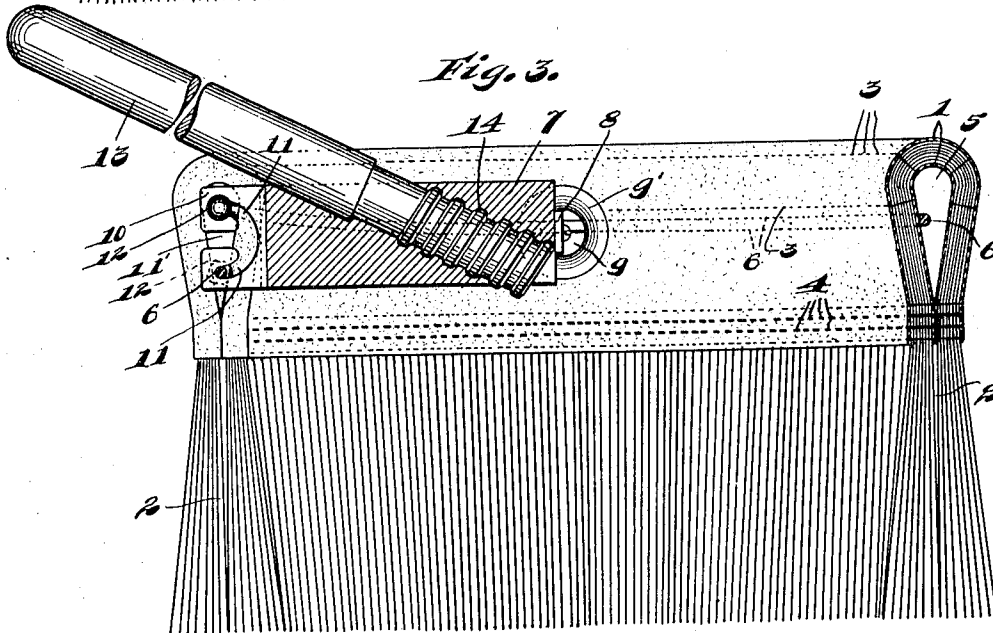
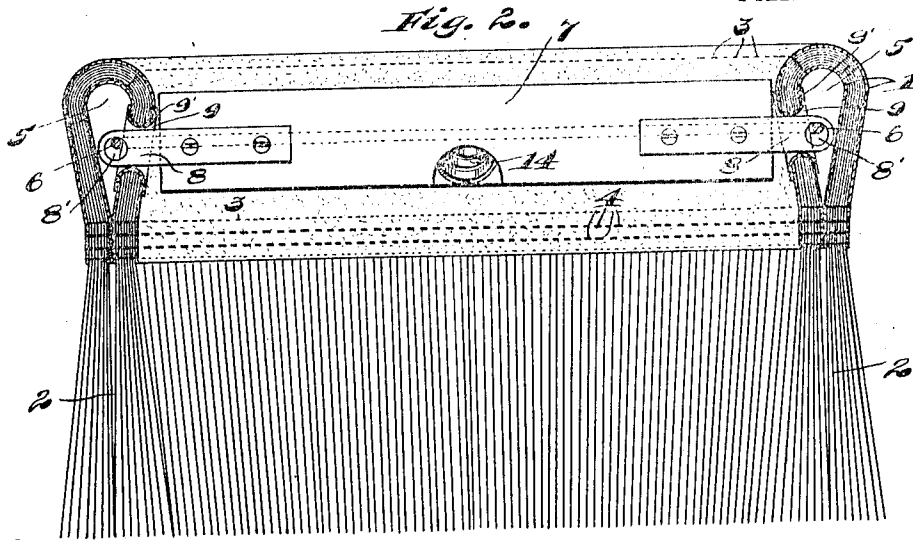
By Joshua R. H. Jones
his Attorney.

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Charles A. Channell,
By Joshua R. Horne
his Attorney.

UNITED STATES PATENT OFFICE.

CHARLES A. CHANNELL, OF CHICAGO, ILLINOIS.

MOP.

1,041,023.

Specification of Letters Patent.

Patented Oct. 15, 1912.

Application filed February 17, 1912. Serial No. 678,382.

To all whom it may concern:

Be it known that I, CHARLES A. CHANNELL, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Mops, of which the following is a specification.

My invention relates to improvements in floor mops, and has for its object the production of a device of this character which will be of improved construction and efficient in operation.

Other objects will appear hereinafter.

With these objects in view, my invention consists in the combinations and arrangements of parts hereinafter described and claimed.

My invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which—

Figure 1 is a top plan view of a mop embodying my invention, the handle being detached, Fig. 2 is a transverse section taken on line *x x* of Fig. 1, and Fig. 3 is a section taken on line *y y* of Fig. 1, with the handle attached.

The preferred form of construction, as illustrated in the drawings, comprises a mop head or body which is formed of an elongated strip 1 of a suitable flexible material such as a durable fabric, a plurality of strands 2 of a suitable absorbent material, being arranged transversely of the strip with their respective extremities projecting from the longitudinal edges of said strip. The respective extremities of the strip are folded back upon the other sides of strands 2 so as to form a wall or covering of fabric at each side of the strands 2, stitching 3 serving to secure the opposite sides of the strip together and consequently to securely fasten the strands 2 intermediate the same. The strip 1 is then bent or folded longitudinally and the respective longitudinal edges thereof are secured together by stitching 4 to form a coextensive opening 5 within said strip, as clearly shown in the several views. Cooperating with the mop head is an annular broken reinforcing member 6 which is formed preferably of a piece of wire of such a gage as to possess considerable strength and resilience. The reinforcing member 6 is inserted into the opening 5, said member being of a length slightly

greater than that of the mop head so that the extremities of said member project from the ends of opening 5, as clearly shown in Fig. 1. The mop head is thus formed into a circle, in which formation the same is retained through the reinforcement afforded by the member 6.

Arranged within the mop head in registration with the strip 1 is a substantially semi-circular block 7, the curvature of the periphery of said block corresponding with that of the inner side of the strip 1 so as to adapt said block to snugly engage against said inner side of said strip, as clearly shown in Fig. 1. Secured to and outwardly projecting from the block 7 are diametric ears 8 which project through openings 9 formed in the inner wall of the opening 5 at diametrically opposite points, said openings 9 being preferably reinforced by metallic eyelets 9'. The outer extremities of the ears 8 are formed with perforations 8' for engagement with the reinforcing member 6 which thus serves to securely fasten one edge of the block 7 in position.

Provided substantially centrally upon the curved periphery of the block 7 is an outwardly projecting ear 10 which is formed with slots 11 for engagement by the extremities of the member 6, enlargements 12 provided at said extremities being adapted to engage against the opposite sides of the ear 10 to securely lock said extremities in position and at the same time to secure the adjacent edge of the block 7 to said reinforcing member. The recesses 11 communicate with a common outwardly opening recess 11' which affords means whereby the extremities of the member 6 may be readily moved into or out of engagement with the recesses 11, as will be readily understood. Thus, through the medium of the reinforcing member 6, the block 7 is securely but detachably fastened to the mop head, it being clear that detachment of said block may be readily and expeditiously effected by removal of said reinforcing member 6.

Projecting from the block 7, preferably at an angle thereto, is an operating handle 13, the lower screw-threaded end of said handle engaging a screw-threaded socket 14 formed for the reception thereof in said block 7, as clearly shown in the several views.

A mop constructed as above set forth is durable and economical in construction and is of high efficiency in use. By reason of

the detachability of the various parts comprising the mop; in the event of one part being broken or becoming otherwise disabled, the same may be readily replaced, thereby avoiding the necessity of purchasing an entirely new mop. Also, by reason of this feature, the mop head may be readily detached, when desired, for washing, and so that the mop may be maintained in a sanitary condition. The mop head is preferably saturated with oil so as to adapt the same for use not only in performing the functions of an ordinary mop but also as a polisher, the oil serving also to adapt the mop to effectually collect dust, and thus the device is also adapted to serve as a duster.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the exact details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. The combination with a circular absorbent body, having a passage therein; of a reinforcing member mounted in said passage; a block carried by said reinforcing member; and a handle secured to said block.
2. The combination with an absorbent body having a continuous passage therein; of a block carried by and conforming with said body; a reinforcing member mounted in said passage, for retaining the body in its operative position and securing the block thereto; and a handle attached to said block.
3. The combination with a circular body of absorbent material, having the ends thereof disconnected and a passage extending completely through said body; of a reinforcing member mounted in said passage; and a block mounted in said body and attached by said reinforcing member.
4. The combination with a circular body of absorbent material having the ends thereof disconnected and a passage extending completely through said body; of a reinforcing member mounted in said passage and projecting from the ends thereof; a block encircled by said body and conforming in

contour to a portion thereof; connections between one side of said block and the reinforcing member; and means whereby the ends of said reinforcing member may be secured to said block.

5. A mop comprising a circular absorbent body having an annular opening in the upper edge thereof; an annular broken reinforcing member engaging said opening; a block arranged in said body and having ears projecting therefrom for engagement with said reinforcing member to detachably fasten said block in position; and a handle secured to and projecting from said block, substantially as described.

6. A mop comprising a circular absorbent body having an annular opening in the upper edge thereof; an annular broken reinforcing member removably engaging said opening; a substantially semi-circular block arranged in said body at the upper edge thereof; diametric perforated ears projecting from said block through perforations in said body into the annular opening therein for engagement by said reinforcing member; means at the periphery of said block for releasably engaging the extremities of said reinforcing member to maintain the latter in operative position; and a handle connected with and projecting from said block, substantially as described.

7. A mop comprising a body consisting of a flexible elongated strip having a coextensive opening formed therein; and strands of absorbent material secured in and depending from said strip; an annular broken reinforcing member removably engaging said opening; a substantially semi-circular block arranged in said body coplanar with said strip; diametric perforated ears projecting from said block through perforations in the inner side of said strip into the annular opening therein for engagement by said reinforcing member; means at the periphery of said block for releasably engaging the extremities of said reinforcing member to maintain the latter in operative position; and a handle connected with and projecting from said block, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES A. CHANNELL.

Witnesses:

JOSHUA R. H. POTTS,
HELEN F. LILLIS.