Jan. 16, 1951 J. E. TUCKER 2,538,542

MOP CONSTRUCTION

Filed Dec. 16, 1948

FIG. 1.

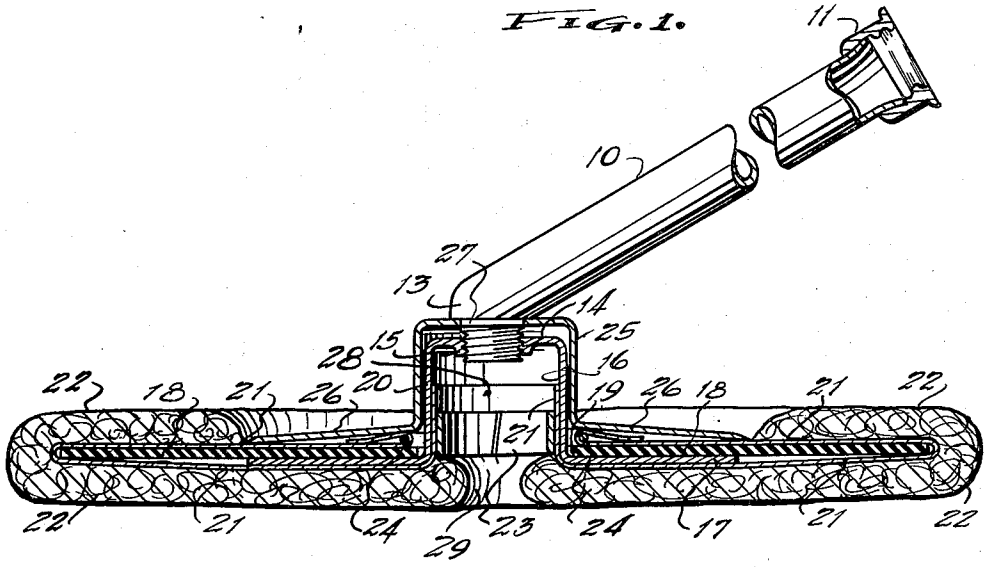


FIG. 2.

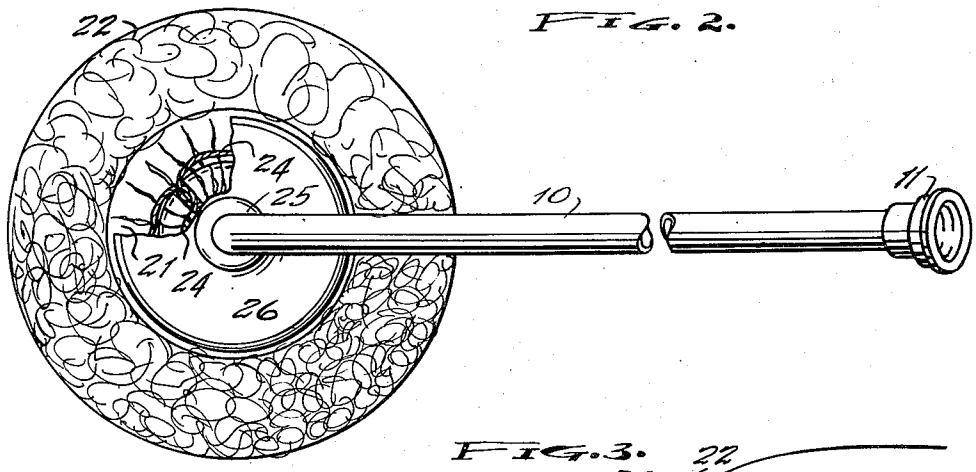
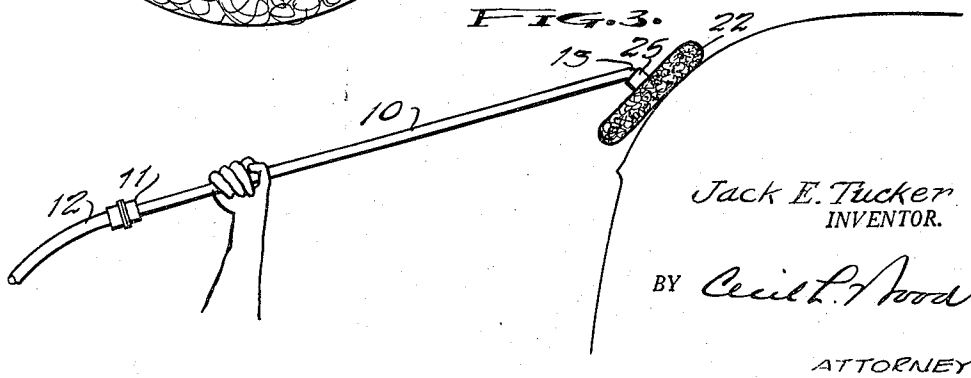


FIG. 3.



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MOP CONSTRUCTION

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2 Claims. (Cl. 15—128)

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This invention relates to washing or scrubbing devices, such as mops, brushes, and the like, and it has particular reference to a mop having a continuous flow of water therethrough and provided with a suitable hollow handle for connection to a water hose, and its principal object resides in the provision of an unique arrangement whereby the mop head can be removed and renewed, as required, or changed to a different type, such as a head having bristles in the form of a brush, a different kind of nap, and other characteristics suitable to the particular job at hand.

An object of the invention is that of providing a circular flat soft napped mop, having a sheepskin covering, or the like, particularly suitable for washing automobiles and other fine finishes to prevent scratching and marring the surfaces to which it is applied, yet affording a flexible device capable of maintaining its form after being flexed to different positions as will be necessary in washing the bodies of automobiles, and the like, where it is desirable to operate the invention into ordinarily inaccessible areas, such as in washing wheels, fenders, and the like.

Broadly, the invention contemplates the provision of a flexible mop having a detachable head which is capable of being used with a continuous stream of water and which can be applied to enameled and polished surfaces for washing the same without marring or scratching the finish and which is capable of being flexed to different shapes in order to reach into close and normally inaccessible areas without damage to the mop or to the finished surfaces.

While the foregoing objects are paramount, other and lesser objects will become manifest as the description proceeds, taken in connection with the appended drawings wherein:

Figure 1 is a transverse cross-sectional view of the mop head illustrating the assembly of the napped material, the flexible disk supporting the napped material in semi-rigid position, the retaining member, and the hollow tubular handle having a hose fitting thereon.

Figure 2 is a plan view of the invention showing a portion of the head cut away illustrating the manner in which the napped material is attached thereto, and

Figure 3 illustrates the invention as applied to the work of washing an automobile, and fragmentarily showing a section of water hose connected thereto.

Accordingly, therefore, the invention comprises primarily a tubular handle 10 having a coupling 11 on one end by which the same can

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be connected to an ordinary hose 12 through which water is constantly supplied through the head assembly. The operative end of the handle 10 is formed with an angular bend 13 whose inner end is threaded at 14 into an interiorly threaded aperture 15 formed in the top of the lower retainer member 16 of the head assembly. The retainer member 16 is substantially cup-shaped and inverted, as illustrated in Figure 1, and has a circular flange 17 formed integral therewith providing a disk which affords a seat for a flexible rubber disk 18 having a central bore 19 capable of surrounding the cylindrical portion 20 of the retainer member 16.

A napped material, such as sheep skin 21, having a nap 22 thereon, is arranged about the flexible disk 18 and extends upwardly within the cylindrical portion 20 of the retainer member 16, as illustrated in Figure 1, and is retained therein by a tensioned ring 23. It is desirable to form the material 21 into a circular pad and stitched to provide a tunnel through which a draw string 24 is arranged and by which it can be tied about the member 16 over the disk 18 and retained by a substantially cup-shaped locking member 25 having a flange 26 formed therewith which bears against the material 21 around the member 16 and impinges the material to the flexible disk 21. The member 25 is similar to the member 16 and has an aperture 27 therein through which the threaded portion 14 of the handle 10 extends before it is threaded into the aperture 15 of the member 16.

With the foregoing arrangement the assembly is securely connected together but capable of being disassembled at will to be cleaned or renewed, the napped material 21 being capable of being changed as desired. The members 16 and 25 may, if desirable, be formed of plastic or may be stamped or formed with suitable metal dies.

A continuous flow of water is provided to the head assembly through the handle 10, thence through the chamber 28 and the opening 29 centrally of the head assembly to the work.

Manifestly, the structure herein shown and described is capable of considerable modification by persons skilled in the art without departing from the spirit and intent of the invention or the scope of the appended claims.

What is claimed is:

1. In a mop adapted to have a continuous flow of water thereto, in combination, a tubular handle having a portion on one end formed at an angle to the longitudinal axis thereof, a flanged plate threaded on said end and providing

a retainer for a material having a nap thereon, a flexible disk on said retainer and supporting said material in semi-flexible relationship to said handle, a keeper plate impinging said material on said retainer, and a hose coupling on the other end of said handle.

2. In a fountain type of mop having a hollow tubular handle, in combination, a flexible disk attached to one end of said handle, a mop material having a nap on one side formed about said flexible disk, a supporting disk for said material, a retainer disk for said material impinging said material and said flexible disk against said supporting disk, and a hose coupling on the other end of said handle.

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