July 7, 1925. 1,545,392

H. BROWN

MOP

Filed Nov. 17, 1923 2 Sheets-Sheet 1

Fig. 1.

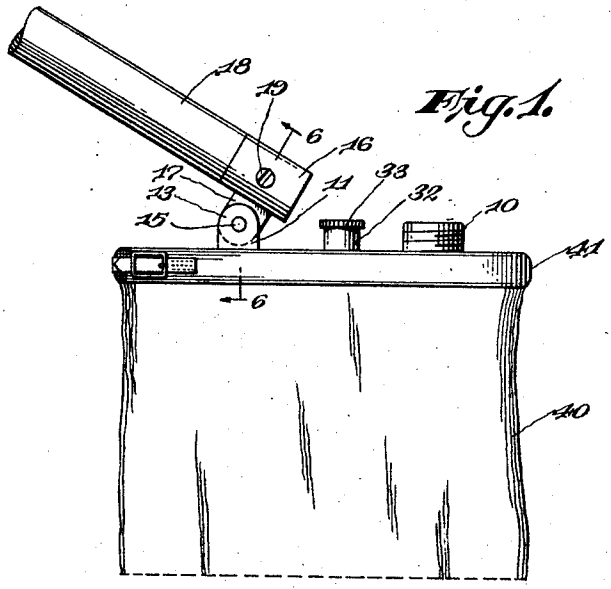

Fig. 2.

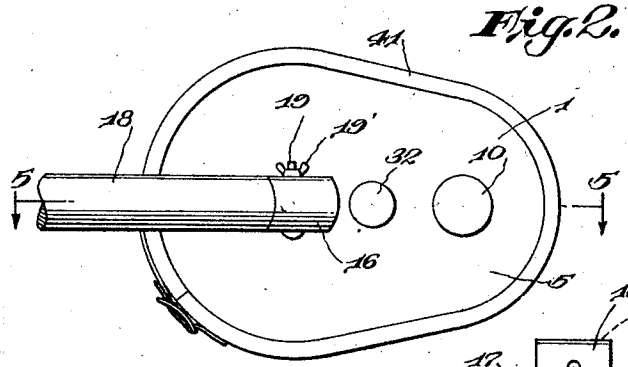

Fig. 3.

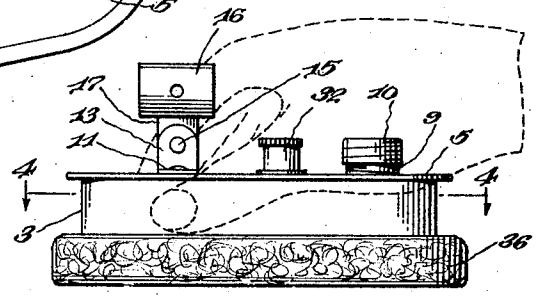

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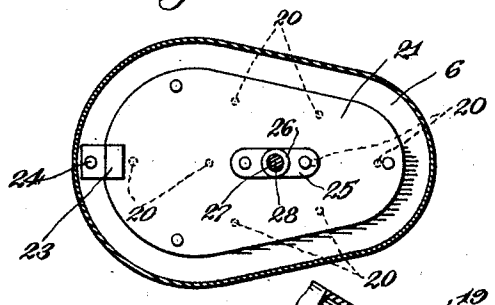
Fig. 4.



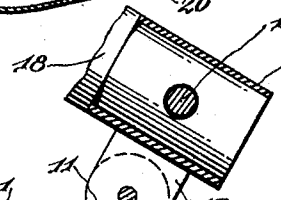


Fig. 5.

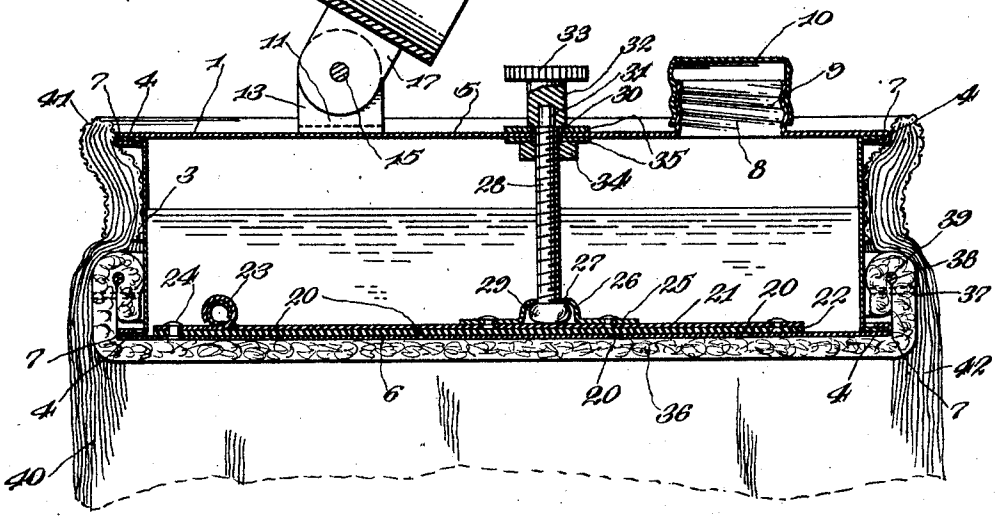
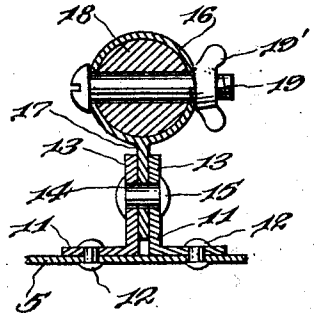


Fig. 6.



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Patented July 7, 1925. 1,545,392

UNITED STATES PATENT OFFICE.

HERMAN BROWN, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO OSCAR J. GOTTLIEB, OF CHICAGO, ILLINOIS.

MOP.

Application filed November 17, 1923. Serial No. 675,354.

To all whom it may concern:

Be it known that I, HERMAN BROWN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Mops, of which the following is a specification.

This invention relates to new and useful improvements in mops and more particularly to an oil mop. The main object of the present invention being the provision of a fountain oil mop which is easily adapted for use in oiling and polishing floors, woodwork, furniture and the like.

Another object of my invention is the provision of a fountain oil mop wherein the oil or polish is applied to the floor, woodwork, furniture or the like, and in addition it is polished or dried so as to produce a polished surface upon the articles being operated upon.

A further object of my present invention is the provision of a fountain oil mop which includes a receptacle having a plurality of outlet openings, with means for controlling the flow of liquid from the receptacle through said openings, together with an applying pad arranged over the openings to absorb the liquid in the receptacle so as to properly apply the same to the articles being operated upon and further in addition a polished cloth is attached to the receptacle in such a manner as to engage the articles being operated upon to dry or polish the same.

A still further object of the invention is the provision of a fountain oil mop including a receptacle having outlet openings, with means for controlling the flow of liquid from the receptacle through said openings, said means being accessible from the exterior of the receptacle whereby the person using the mop may readily control the flow of liquid from the receptacle through the openings whereby when the mop is not in use the openings are securely closed against passage of liquid therethrough.

A still further object of the invention is the provision of an oil mop of the above character wherein the drying and polishing member can be readily removed from the receptacle body of the mop and the handle detached from the body of the mop whereby the body may be readily grasped in the hand of the operator for polishing furniture, woodwork and the like.

With the above and other objects in view the invention consists in the novel features of construction, the combination and arrangement of parts hereinafter more fully set forth, pointed out in the claim and shown in the accompanying drawings in which:—

Fig. 1 is a side elevation of a fountain oil mop constructed in accordance with my invention.

Fig. 2 is a top plan view.

Fig. 3 is a side elevation with the handle and drying or polishing member removed and illustrating the use of the same as a hand polisher.

Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 3.

Fig. 5 is an enlarged longitudinal section taken on the line 5—5 of Fig. 2.

Fig. 6 is a detail section on the line 6—6 of Fig. 1.

Referring now more particularly to the drawings, the numeral 1 indicates the main body receptacle of my improved mop, said body to be constructed of any desirable material and of any size and shape, but preferably I desire to have the same of substantially pear shape design as clearly illustrated in Figs. 2 and 4. The receptacle body comprises the wall 3, the opposing edges of which are bent at right angles to the body of the wall as at 4 to provide outstanding flanges to which the top wall 5 and the bottom wall 6 are secured.

The top wall 5 and bottom wall 6 are preferably of the same material as the side wall and each of the top and bottom walls are bent over the outstanding flange 4 on the side wall as shown at 7 and may be soldered or otherwise securely connected to the outstanding flanges of the side wall to form a liquid tight receptacle of the body. The top portion 5 of the body is provided at a point adjacent its smaller end with an inlet opening 8 having an up-standing threaded annular flange 9 upon which is mounted a cap 10 for normally closing the opening into the receptacle.

Arranged upon one side of the center of the body and preferably toward the larger end of the receptacle are the angular plates 11, the horizontal portions of which are riveted or otherwise secured to the top 5 of

the receptacle, while the vertical portions 13 thereof are disposed in spaced relation as illustrated in Fig. 6 and are provided with aligned openings 14 through which a bolt or other securing member 15 is passed in order to mount the handle sleeve 16 for swinging movement. The sleeve 16 is provided with an outwardly projecting ear 17 having an opening therethrough so that when the ear 17 is arranged between the vertical portions 13 of the plates 11 and the opening in the ear disposed in alignment with the openings 14, the bolt 15 may be readily placed in position for mounting the sleeve 16 as set forth above.

In order to manipulate the mop for polishing floors and the like a suitable handle 18 is provided, one end of which is inserted into the sleeve 16 as shown in Figs. 1 and 2 and securely retained within the sleeve by means of a removable bolt 19 which extends through the sleeve and through the inner end of the handle 18 and retained in this position by means of a wing nut 19' upon the threaded end of the bolt as shown in Fig. 6 whereby the handle 18 may be quickly and readily attached to or detached from the sleeve 16.

The bottom portion 6 of the receptacle body is provided with a plurality of openings 20, said openings being normally closed by means of a stopper plate 21 having a facing plate 22 secured thereto which is preferably of rubber or similar material which will have a tendency to lie flat up against the inner face of the bottom portion 6 for closing the openings 20 against the passage of liquid from the receptacle. The stopper plate 21 is provided at one end with a hinge 23, said hinge being riveted or otherwise secured as at 24 to the bottom portion 6 whereby the stopper plate 21 may be moved toward or away from the bottom portion 6 to open and close communication with the receptacle through the openings 20.

Secured to the upper face of the stopper plate 21 is a plate 25, the intermediate portion of which is provided with a bulge forming a socket 26 having an opening 27 through which the adjusting bolt 28 extends, the head 29 of said bolt being disposed within the socket 26 so as to loosely connect the adjusting bolt 28 with the stopper plate.

The adjusting bolt 28 extends up through an opening 30 in the top portion 5 of the receptacle body and the upper end of the bolt is provided with a reduced portion 31 upon which is fitted the adjusting nut 32, having a serrated flange 33 which can be quickly and readily grasped by the fingers of the operator for rotating the bolt 28. Mounted upon the bolt 28 and secured to the top portion 5 within the receptacle is a nut 34 whereby when the bolt 28 is rotated by the adjusting nut 32 the bolt 28 will move upwardly through the opening 30 in the top portion of the casing thus moving the stopper plate 21 away from the bottom portion of the receptacle, permitting the liquid within the receptacle to pass outwardly through the openings 20. In order to provide a liquid tight joint around the adjusting bolt 28 the gaskets 35 are mounted upon the bolt 28 and disposed between the faces of the top portion 5 and the nuts 32 and 34.

In order to absorb the liquid from within the receptacle when passing out through the openings 20 an applying pad 36 is provided, said pad being preferably formed of felt or other similar absorbent material, said pad having its edge bent upon itself as shown in Fig. 5 and sewed as at 37 to the body portion of the pad forming an annular pocket 38 in which is arranged a securing member 39 which in the present instance is illustrated as in the form of a fairly heavy wire whereby the pad 36 may be readily applied to the body of the receptacle, the body portion of the pad fitting tightly against the outer face of the bottom portion 6, while the edges thereof are disposed at right angles to the body and arranged to contact with the wall 3 whereby the ends of the wire or securing member 39 are brought together and tightened so that the edge of the pad will be disposed above the lower outstanding flange of the side wall 3 to securely retain the pad in position upon the receptacle body.

A detachable drying or polishing member 40 is provided which includes the body strip 41 having a plurality of strands 42 suspended therefrom, said body strip being provided at its meeting ends with a detachable connection, in the present instance shown as a strap and buckle, whereby the said strip may be readily positioned upon the exterior of the body in contact with the outer face of the wall 3 so that the strands 42 thereof will extend below the pad 36 around the entire body. In positioning the strip 41 it is preferred to have the same engage the outer surface of the wall 3 above the edge of the pad 36 so that the strands 42 will readily extend downwardly beyond the polishing face of the pad 36 so that as the liquid material is applied to the articles being operated upon through the medium of the pad 36 the strands 42 will readily travel over the same surface and tend to dry and polish the articles as the liquid material is applied thereto.

From the above it will be readily apparent that when the device is to be used for polishing articles of furniture and the like, the handle member 18 may be quickly and readily detached from the sleeve 16, the drying and polishing member removed from the body and the body grasped by the hand of the operator as shown in Fig. 3. In this way

the liquid material in the body receptacle may be quickly and readily applied to the desired articles by moving the applying pad 36 over the surface of the articles.

The flow of liquid from the receptacle body out through the openings 20 is readily controlled by the operator through the adjustment of the bolt 28 to move the stopper plate 21 toward and away from the bottom portion 6. When it is desired to release an amount of liquid through the openings 20 the adjusting nut 32 is rotated by grasping the serrated flange 33 and rotating the bolt 28 which through its adjustment with the nut 34 will move outwardly through the opening 30 and raise the stopper plate 21 from engagement with the bottom portion 6. After the proper amount of liquid has been absorbed by the pad 36 the stopper plate 21 is again moved toward the bottom portion 6 to close the openings 20.

It will be apparent from the above that I have provided a simple and efficient fountain oil mop wherein the body may be readily filled with any desired polishing liquid and the mop used for a considerable length of time before renewing the supply of liquid within the receptacle. In this way the polishing liquid is always ready for use and eliminates the necessity of having to apply the oil or polishing liquid through a separate source for oiling or polishing various surfaces.

Having thus described my invention what I claim is:—

A mop including a container body having openings in the bottom thereof, a closure plate hingedly connected to the bottom at one side of the container and adapted to normally close said openings, an attaching plate secured to the upper face of the first plate having its intermediate portion provided with a bulge forming a socket having an opening, an adjusting bolt carried by the top of the body, a head on the lower end of the bolt arranged within the socket for loosely connecting the bolt with the first plate and means for adjusting the bolt relative to the top of the container whereby to move the first plate into position for closing said openings or out of position for permitting liquid from the container to pass through said openings.

In testimony whereof I affix my signature.

HERMAN BROWN.