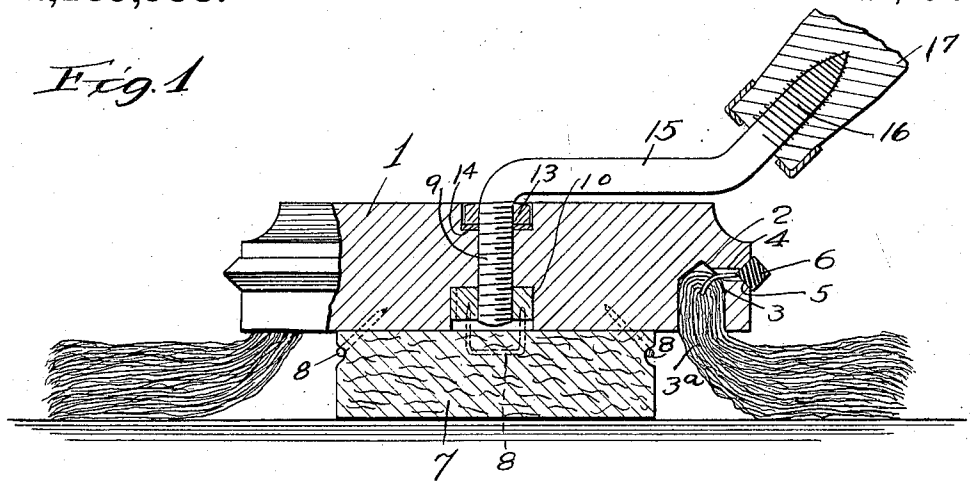
F. L. HURT.

OIL MOP.

APPLICATION FILED APR. 26, 1913.

1,169,958. Patented Feb. 1, 1916.

Fig. 1



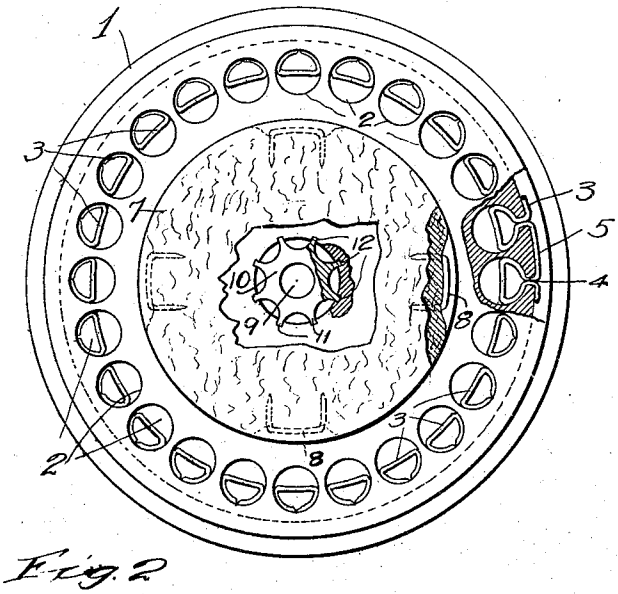


Fig. 2

Fig. 3.

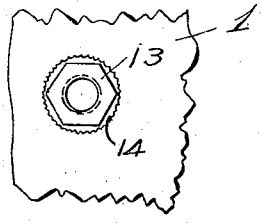
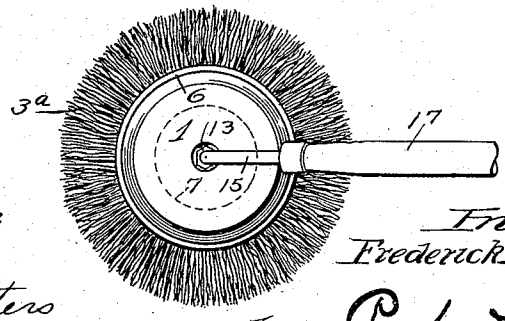


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

FREDERICK L. HURT, OF CHICAGO, ILLINOIS, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO FREDERICK MFG. CO., OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

OIL-MOP.

1,169,958. Specification of Letters Patent. Patented Feb. 1, 1916.

Application filed April 26, 1913. Serial No. 763,698.

To all whom it may concern.

Be it known that I, FREDERICK L. HURT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Oil-Mops, of which the following is a specification.

This invention relates to mops and has for its object to provide a new and improved device of this description.

The invention is illustrated in the accompanying drawings wherein—

Figure 1 is a view in part section showing one form of mop embodying the invention; Fig. 2 is a bottom view of the frame piece of the mop with the flexible mop portion removed; Fig. 3 is a view of the top portion of the frame piece of the mop containing the opening for the handle; Fig. 4 is a plan view of one form of mop.

Like numerals refer to like parts throughout the several figures.

As illustrated in the drawing, the mop is provided with a frame piece 1 of wood or other suitable material. This frame piece is provided near its outer edge with a series of openings 2 for attaching the flexible portion of the mop. This flexible portion is preferably made of yarn treated with suitable oil. In the construction shown, a number of strands of yarn are placed together and are then doubled back upon themselves so as to form a loop, and a wire 3 is placed between the strands at the bent portion, that is, in the loop, said wire passing out of openings 4 leading from the openings 2 to the outer face of the frame piece. This wire may be a continuous wire and passes successively in and out of each opening 2 and through the loop of each section 3^a of the flexible portion of the mop thereby holding said sections in place. The ends of the wire are properly secured. The frame piece 1 is provided with a groove 5 which extends around the outer face thereof and which receives the portions of the wire 3 between the openings 2. The groove 5 is also provided with a protecting band 6 which is preferably of rubber and which acts to prevent the marring of furniture or the like when the mop is brought into contact therewith. The flexible portion of the mop therefore extends around the edge or periphery of the frame piece 1. Attached to the frame piece 1 is a polishing pad 7. This polishing pad is surrounded by the flexible portion of the mop and when the mop is in use comes into contact with the floor. The pad 7 may be of any suitable material, preferably of felt, and is attached to the frame piece 1 in any desired manner, as for example, by being glued thereto and additionally fastened by means of staples 8. The frame piece 1 is provided with a removable handle. As herein shown, this handle consists of a metal portion having a screw-threaded part 9 which enters a hole in the frame piece and which engages a nut 10 embedded in the frame piece. The nut 10 is arranged so that it is held against rotation. This may be secured in any desired manner. As herein shown, said nut is provided with projections 11 which fit in receiving openings or grooves 12 in the frame piece. There is also a nut 13 at the part 9 and which is received into a recess at the top of the frame piece and embedded therein when the handle is attached to the frame piece. I prefer to place a washer 14 below the nut so as to prevent injury to the material of the frame piece when the nut is tightened. This washer is preferably arranged so that it will not rotate, as for example, by providing it with a serrated edge as shown in Fig. 3. The handle is bent to one side so that it has a portion 15 substantially at right angles to the portion 9, and substantially parallel to the upper face of the frame piece. There is also an inclined threaded portion 16 by means of which the wooden portion 17 of the handle is attached thereto. By forming this handle with the portion bent to one side, it will be seen that the mop can be pushed under radiators or furniture or other devices without the handle interfering therewith.

In the use of the device, the flexible portion of the mop consisting of the sections 3^a is treated with suitable oil while the polishing device 7 is preferably untreated. When the device is moved along the floor or other surface, the flexible oiled portion takes up the dirt and dust and oils the surface and the polishing portion 7 engages the floor and simultaneously polishes it so that the mop simultaneously performs the functions of cleaning, oiling and polishing.

With the present device, the yarn which contains the oil spreads the oil over the surface of the floor evenly and uniformly so as

to properly oil the floor, while the polishing pad has sufficient body and rigidity to rub this oil into the surface of the floor and produce a polish. It will be seen that with the yarn alone this can not be done on account of its softness and lack of body, and that the polishing pad having the body and rigidity and being in a place where pressure can be applied to it by means of the handle, rubs the oil into the surface on which the device is used and produces a polish so that the device simultaneously performs the functions of oiling and cleaning the floor and polishing it. When desired, only a small amount of pressure may be applied to the handle so that only the oiled flexible portion of the mop engages the floor or other surface in connection with which the mop is used thereby simply cleaning and oiling it. When it is desired to polish such surface, greater pressure is applied so as to press the polishing device against the surface to secure the desired polish. When the device is not in use, the frame piece is unscrewed from the threaded portion 9 of the handle and the frame piece and flexible portion and polishing device 7 are placed in a suitable receptacle.

I claim:

1. A mop comprising a frame piece, a flexible mop portion attached to said frame piece near the edge thereof and adapted to oil the surface on which the mop is used, and a polishing device connected with said frame piece and adapted to engage and polish the said surface oiled by the said flexible mop portion.

2. A mop comprising a frame piece provided with a series of openings in one face thereof, a series of looped flexible sections having their looped ends projecting into said openings, and a holding device extending around said frame piece and having portions which extend into said openings and through the loops of said sections so as to hold them in place.

3. A mop comprising a frame piece, a flexible oil spreading mop portion connected with said frame piece and extending thereabout and adapted to oil the surface on which the mop is used when the mop is moved in any direction therealong, there being a free space surrounded by said flexible oil spreading portion, a polishing device connected with said frame piece and projecting into said free space, said polishing device surrounded by said flexible portion when the mop is being used, said flexible oil spreading portion and polishing device simultaneously oiling and polishing said surface as the mop is moved therealong.

4. A mop comprising a body portion, an oil spreading device connected with said body portion and a compact polishing device also connected with said body portion and adapted to rub the oil spread by the oil spreading device, into the surface on which the mop is used so as to polish such surface.

5. A mop comprising a frame piece, a flexible yarn oil spreading device connected with said frame piece adapted to spread oil over the surface operated upon and a compact felt pad also connected with said frame piece, which engages said surface and rubs the oil into it so as to polish the surface.

In testimony whereof, I affix my signature in the presence of two witnesses this 18th day of April, 1913.

FREDERICK L. HURT.

Witnesses:
MINNIE M. LINDENAU,
DENIE A. WALTERS.

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