July 10, 1928. 1,676,880

W. D. WHITAKER

MOP

Filed June 21, 1926 2 Sheets-Sheet 1

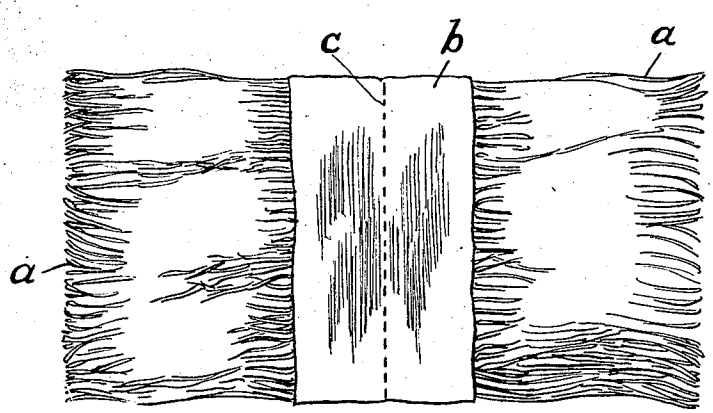


FIG. 1.

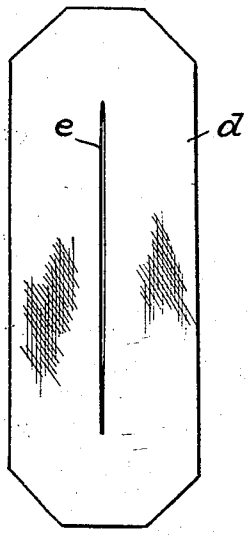


FIG. 3.

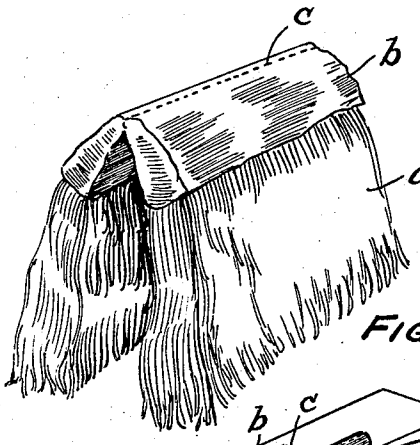


FIG. 2.

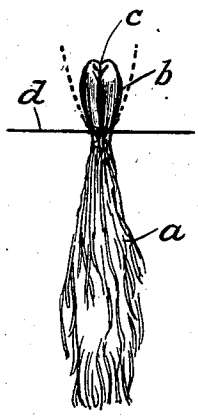


FIG. 5.

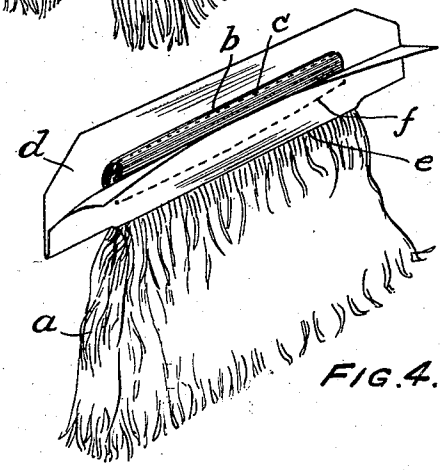


FIG. 4.

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MOP

Filed June 21, 1926 2 Sheets-Sheet 2

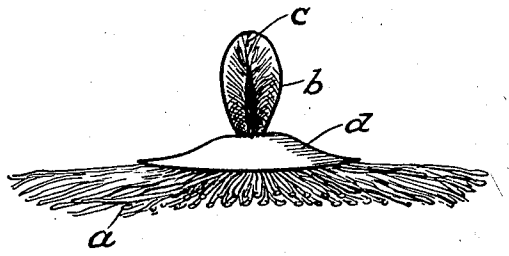


FIG. 6.

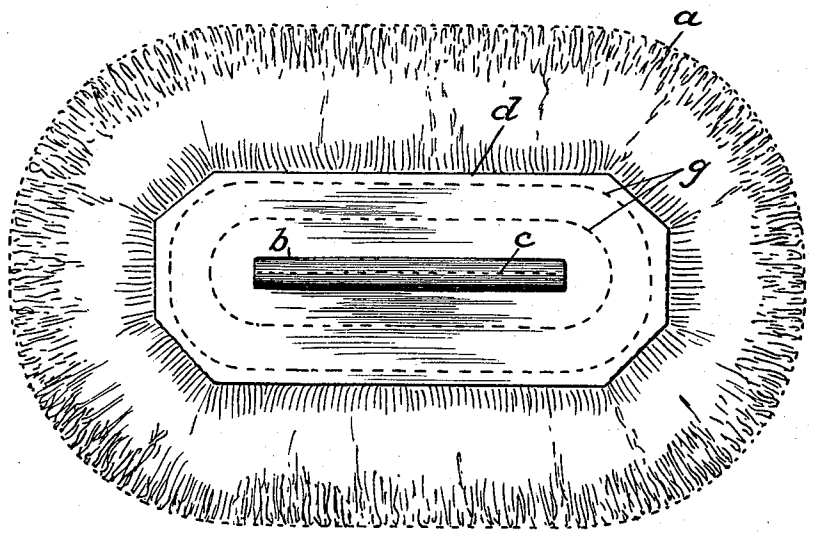


FIG. 7.

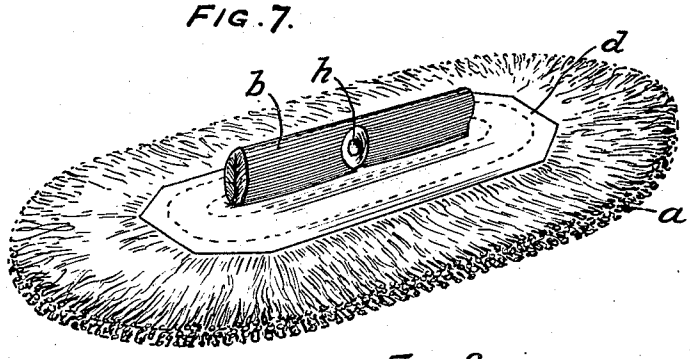


FIG. 8.

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Patented July 10, 1928. 1,676,880

UNITED STATES PATENT OFFICE.

WILLIAM D. WHITAKER, OF ELKINS PARK, PENNSYLVANIA.

MOP.

Application filed June 21, 1926. Serial No. 117,290.

My invention relates to mops and more particularly to that type of mop used for the purpose of cleaning and polishing floors.

Mops of the character to which my invention relates, as heretofore produced, have given a degree of satisfaction, but they are open to numerous objections. The so called polishing mops, as heretofore produced, are relatively bulky and not only involve in their structure an uneconomic amount of material, but they do not lend themselves to an even distribution of floor oil or polish, nor to the production of a high polish on the floor.

Now it is the object of my invention to produce a mop which will be so constructed as to provide an even distribution of floor oil or polish and to enable a floor to be polished to a high degree. Further objects of my invention are to produce a mop with a minimum of material and one which in addition to possessing a superiority in use, will possess a high degree of desirability.

Having now indicated, in a general way, the nature and purpose of my invention, I will proceed to a detailed description thereof with reference to the accompanying drawings in which there is illustrated a preferred embodiment and in which:—

Fig. 1 is a plan view of a mop embodying my invention, in course of construction.

Fig. 2 is a perspective view of the mop shown in Fig. 1, at a further stage in its construction.

Fig. 3 is a plan view of a pad for application to the mop.

Fig. 4 is a perspective view of the mop as shown in Fig. 2, with the pad shown in Fig. 3 applied.

Fig. 5 is an end view of the mop shown in Fig. 4, at a further stage in its construction.

Fig. 6 is an end view of the mop with its parts in position for final securing.

Fig. 7 is a plan view of the completed mop.

Fig. 8 is a perspective view of the completed mop shown in Fig. 7.

Referring to the several figures, *a* indicates a plurality of strands of yarn of suitable length, which may be of any suitable size and which may be and preferably is waste material. The strands *a* are arranged in substantial parallelism to form an oblong mass of suitable thickness, as will be clearly seen by reference to Fig. 1.

About the strands *a* and centrally thereof, is placed a band *b*, preferably of cloth, and secured to the strands by a line of stitching *c*, which extends midway of the ends of the strands and centrally of the band.

After the application of the band *b*, the strands and band are folded approximately on the line of stitching *c*, as shown in Fig. 2, and a pad *d* applied thereto. The pad *d*, preferably formed from some relatively heavy cloth, as canvas, is of oblong shape, having its corners trimmed off, and is provided centrally with a slit or opening *e* of a length equal to the width of the assembled strands *a*.

The pad *d* is applied to the assembled strands *a* by slipping the pad over the folded strands and band, which pass through the slit *e*. The pad is then secured to the strands *a* and band *b* by a row of stitching *f* extending around the pad adjacent to the slit or opening *e*, as shown in Fig. 4.

The free portion of the pad is then turned down on the line of stitching *f* to extend in a plane, as shown in Fig. 5, and the ends of the several strands *a* arranged beneath the pad to extend in all directions from the edges of the pad, as shown in Fig. 6.

The strands *a* arranged as shown in Fig. 6 are secured to the pad by a plurality, for example two, rows of stitching *g*, as shown in Figs. 6 and 7.

The central portions of the strands *a* and band *b*, secured together and to the pad by stitching *c* and *f* and which extend above the top of the pad, form a handle enabling the mop to be manipulated directly by hand or as a means for securing to the mop a separable handle. If the mop is to be provided with a separable handle, such may be secured through the medium of a grummet *h*, clamped or secured in any other desired manner.

It will now be observed that the mop in accordance with my invention is so constructed as to provide a central relatively stiff pad like portion composed of the portions of the strands *a* secured beneath the pad *d* and a relatively free portion composed of the end portions of the strands *a*, which extend in all directions from the edges of the pad like portion. It will also be observed that a handle member is formed integral with the mop structure, which enables the mop to be used directly by hand or which may be used for securing a detachable handle to the mop.

In use the mop will be found efficient for dusting or polishing floors because of the combination of the pad like portion and the free end portion of the strands and the mop will be found highly advantageous in oiling and polishing floors, since oil may be evenly applied to the pad like portion and from it will be distributed evenly to the free ends of the strands, by capillary attraction, thus insuring an even distribution of oil to the floor without the distribution of excess oil from any part of the mop.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:—

1. A mop comprising a pad provided with an opening, a plurality of strands, a band secured centrally about said strands, said strands and band being folded and extended through the opening in the pad, means securing said strands and band to the pad adjacent said opening and means securing the strands to a face of the pad in such a manner that the end portions of the strands will extend beyond the confines of the pad in all directions in the general plane of the pad.

2. A mop comprising a flat pad and a plurality of strands, the strands extending outwardly from a central portion of the pad, the intermediate portions of the strands being looped upon themselves to form a handle, said strands being secured to the pad on opposite sides of said handle.

3. A mop comprising a flat pad provided with an opening and a plurality of strands, the strands extending outwardly from a central portion of the pad, the intermediate portions of the strands being looped upon themselves to form a handle, said handle extending through the opening in the pad.

4. A mop comprising a flat pad and a plurality of strands, the strands extending outwardly from a central portion of the pad, the intermediate portions of the strands being secured together by a band, said band and intermediate portions of the strands being folded to form a handle and means for securing the strands to the pad.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Penna., on this 18th day of June, 1926.

WILLIAM D. WHITAKER.