Oct. 9, 1923. 1,470,014

W. KOOTZ ET AL

MOP

Filed Jan. 9, 1922

FIG. 1

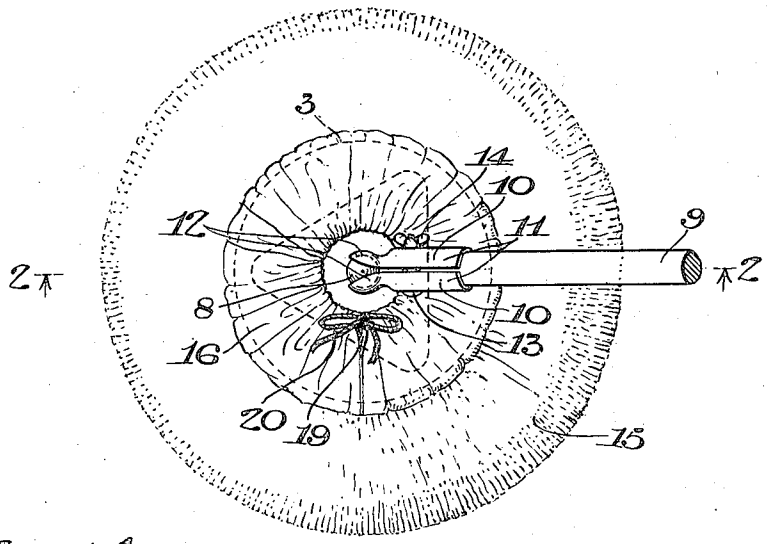


FIG. 4

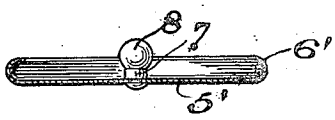
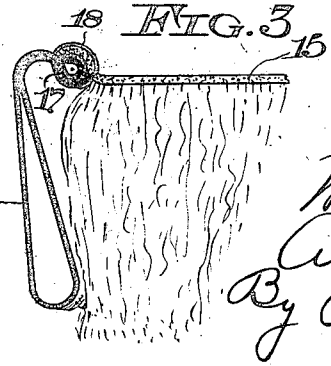


FIG. 2

FIG. 3



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM KOOTZ AND ARTHUR CARL KOOTZ, OF MILWAUKEE, WISCONSIN, ASSIGNORS TO THE GEM HAMMOCK AND FLY NET COMPANY, OF MILWAUKEE, WISCONSIN, A CORPORATION OF WISCONSIN.

MOP.

Application filed January 9, 1922. Serial No. 528,019.

To all whom it may concern:

Be it known that we, WILLIAM KOOTZ and ARTHUR CARL KOOTZ, citizens of the United States, and residents of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Mops, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

The invention relates to mops.

One of the objects of the invention is to provide a natural wool mop which may be easily applied to or removed from its head.

A further object of the invention is to provide a removable mop member adapted to fit a circular mop head and having a bag-like fabric top portion for securing said member to said head.

The invention further consists in the several features hereinafter set forth and more particularly defined by claims at the conclusion hereof.

In the drawings: Fig. 1 is a plan view of a mop embodying the invention; Fig. 2 is a section taken on the line 2—2 of Fig. 1; Fig. 3 is a detail sectional view of the mop members turned inside out; Fig. 4 is a detail sectional view of a modified form of mop head.

As shown in Figs. 1 and 2, the mop head comprises a piece 3 of wood or other suitable material, preferably disk-like, having an opening 4 with oppositely bevelled sides receiving a pair of plates 5 having bevelled edges fitting the bevelled sides of the opening 4 and clamped together and to the piece 3 by integral tubular rivets 6 (one of which is shown) formed in one plate and crimped over the other plate. As shown in Fig. 4, the mop head comprises a one-piece sheet metal disk 5′ having a curved marginal edge 6′. A handle connector 7 is riveted to the plates 5, preferably in the center of the head, and is provided with a ball-shaped or spherical upper end 8. In a similar manner the handle connector 7 may be secured to the plate 5′,

A handle 9 is swiveled to the end 8 of the head by means of a pair of clamps 10 having semicyclindrical shank portions 11 engaging said handle and spherically curved portions 12 engaging the end 8, a clamping screw 13 with a wing nut 14 serving to hold these parts in operative position. This arrangement forms a hinge connection between the handle and head and permits an angular adjustment of the handle with respect to the mop head.

The mop proper may be of any suitable material but is preferably a pelt, such as a piece of sheepskin 15 with the wool left on, the piece being of circular form. A strip of canvas 16, or other suitable fabric, is folded on itself and its side edges 17 are stitched to the outer edge of the piece 15 by stitching 18, and the ends of said strip are stitched together except at 19 adjacent the folded upper portion, whereby a bag-like receptacle is formed to receive the head of the mop, and a gathering string or cord 20, run through the annular pocket 21 formed by the folded strip, is used to draw this bag into firm engagement with the head. It will be noted from the drawing that the side edges 17 are folded over whereby they are attached to the mop to form a beaded edge adjacent the periphery of the head to prevent marring the furniture or other things that the mop may come in contact with. Fig. 2 of the drawing shows the mop before the gathering cord has been drawn up tight. When the mop is attached to the head there is sufficient clearance between the contracted inner edge of the bag-opening and the connector 7 to prevent any interference with the proper operation of the handle 9.

With the construction above described the mop may be readily removed or applied to the head and may be easily washed. Furthermore, where oil is used with the mop, the natural wool readily retains and takes on the oil.

What we claim as our invention is:

1. In a mop, the combination with a mop

head, of a bag fitting over the head and including a pelt forming the bottom of said bag and secured against the bottom side of said head.

2. As an article of manufacture, a bag to fit over a mop head having a pelt forming its bottom, a folded fabric strip secured at its edges to the edges of the pelt, and a drawing string within the fold of said fabric.

In testimony whereof, we affix our signatures.

WILLIAM KOOTZ.
ARTHUR CARL KOOTZ.