June 10, 1930. S. POULOS 1,762,454

MOP

Filed Nov. 9, 1928

Fig. 1.

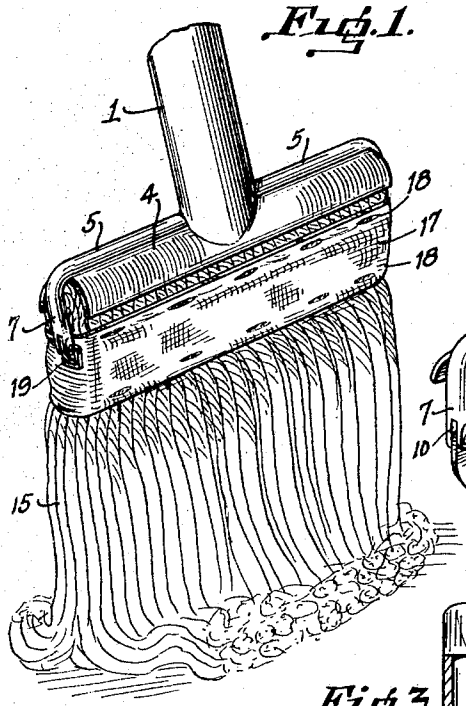


Fig. 2.

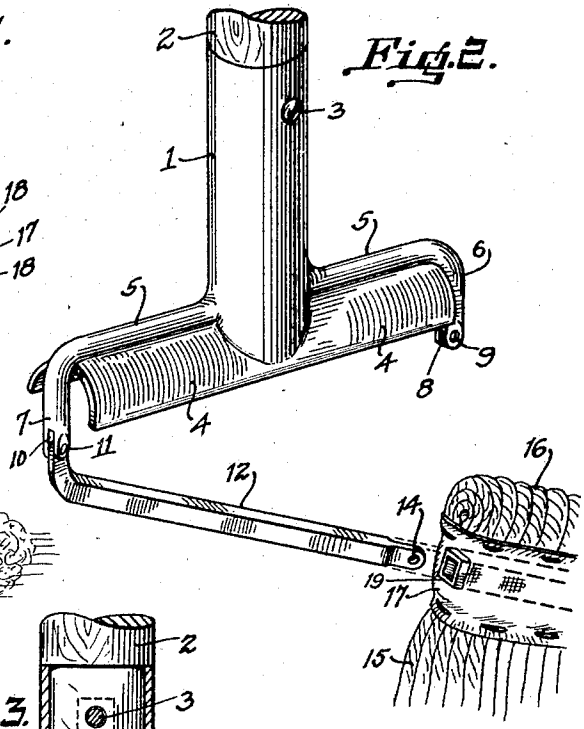


Fig. 3.

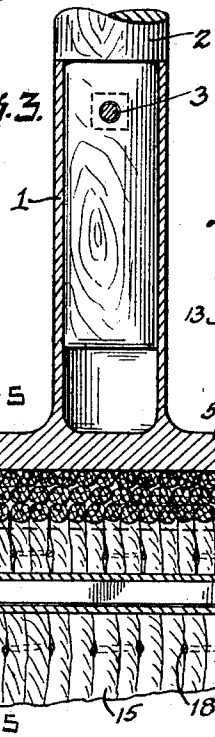


Fig. 4.

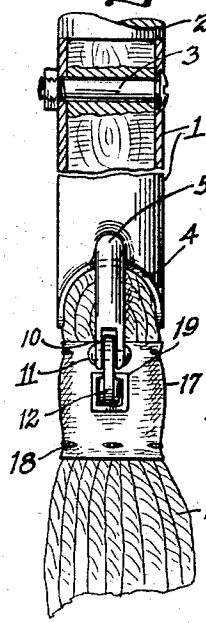


Fig. 6.

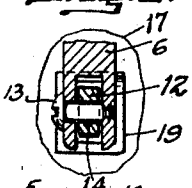


Fig. 5.

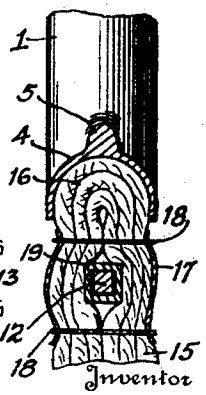
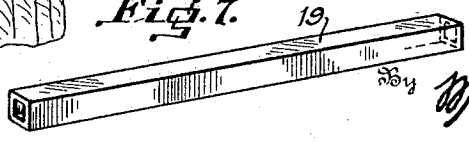


Fig. 7.



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UNITED STATES PATENT OFFICE

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MOP

Application filed November 9, 1928. Serial No. 318,259.

This invention relates to improvements in mop construction, particularly in the means for clamping and holding the mop strands in position, the mop head or holder comprising a minimum number of parts including a single bar pivotally mounted therein for removably extending through the mop strands, thereby providing a construction practically devoid of objectional projections and adapted for easily clamping the mop strands in position or releasing them for replenishing or otherwise.

A further object of this invention is to provide a mop construction comprising a holder for the mop strands, having a portion thereof formed for protecting the folded edges of the strands, which are preferably mounted upon a hollow member through which a pivotally arranged bar upon the holder is adapted to extend.

Other objects of this invention will appear from the following detailed description of the device and as disclosed in the single sheet of drawings, which is herewith made a part of this application.

In the drawings—

Figure 1 illustrates a perspective view of the mop disclosing the holder or head portion in assembled relationship to the mop strands.

Figure 2 represents a perspective view of the mop disclosing the mop strands in detached relationship thereto and about to be removably mounted on the bar pivotally connected with the holder.

Figure 3 illustrates a vertical sectional view of the mop disclosing the holder and supporting bar in assembled relationship with the mop strands.

Figure 4 represents an end elevational view of the mop with a portion broken away, disclosing the means for interlocking the holder with a mop handle.

Figure 5 illustrates a sectional view of the mop taken along line 5—5 of Figure 3.

Figure 6 represents a sectional view of Figure 3, taken along line 6—6.

Figure 7 illustrates a perspective view of the hollow member upon which the strands are mounted and through which the supporting bar is adapted to extend.

As one modification of the mop construction, according to this invention, it is preferred that numeral 1 designate a hollow portion of the mop holder, which may be made of metal or any other suitable material, and adapted to receive the mop handle 2, which may be securely interlocked with the holder portion 1 by means of bolts or fastening elements 3.

Integrally formed with the section 1 of the holder, is a trough-shaped portion 4 having a reenforcing rib 5 extending longitudinally of the section 4, and downwardly extending arm members 6 and 7 over the ends of the trough-shaped member 4. The free ends of the arm members 6 and 7 are provided with suitable grooves and openings 8, 9, 10, and 11, arranged in such a manner that one end of the bar 12 may be pivotally mounted in the arm member 7, as at 10 and 11, the opposite end of the bar 12 being adapted to be detachably received within the groove 8 of the arm member 6, and held in that position by means of a pin or screw element 13, extending through the opening 14 of the bar, and the opening 9 of the arm member 6.

The mop holder or head above described is adapted to firmly hold in operative relationship a plurality of mop strand elements 15, which are folded over as at 16, and held firmly together by means of a binding element 17, made of fabric or otherwise, and fastened securely to the strands 15 by means of sewing or other fastening elements 18, passing through the strands and binding member 17.

The strand members 15 are preferably mounted upon a sleeve member 19, which as

shown is polygonal in cross-section, adapted to be slidably and non-rotatably received and supported by the bar member 12 of corresponding cross-section. The sleeve member 19 is preferably clamped and held firmly within the folds of the strands 15 by means of the binding member 17 and the stitching or fastening elements 18, as clearly disclosed in Figures 3 and 5.

The trough-shaped member 4 of the holder is adapted to be formed in such a manner that the folded portions 16 of the strands will fit snugly therein.

There are numerous advantages in the mop construction above described over those now in common use. This invention provides a very simple and efficient mop head or holder, including a minimum number of parts, and having practically no projections to mar the furniture and the like, during the process of scrubbing a floor; also, the mop strands may be quickly released for the purpose of replacing.

The strands in this invention are mounted upon a hollow member adapted for quick adjustment and mounting upon a pivotally arranged bar attached to the mop holder or head. The mop holder, according to this invention, comprises substantially a one piece unit, except for the bar member which is pivotally arranged thereon for receiving the mop strands.

In order to release the strands it is merely necessary to remove a pin, which holds one end of the bar in fixed relationship to the holder, thereby allowing the bar to drop out of position and the strands removed from the holder with the least possible difficulty and delay. The metal sleeve upon which the strands are mounted functions to provide a positive means for receiving the holding bar.

It will be understood that many changes and modifications may be made in the form of embodiment of the invention within the scope of the following claims without departing from the spirit of the invention.

What I claim is:

1. A T-shaped holder having an inverted trough-shaped head and a handle receiving member rigidly connected thereto, reinforcing ribs extending lengthwise of said head from opposite sides of said member and having their opposite ends bent over the ends of the head, a straight bar of rectangular cross section having one end pivoted to the end of one of said ribs, means for detachably securing the free-end of said bar to the end of the other of said ribs, and a mop having a rectangular sleeve slidably mounted on said bar in the trough of said head.

2. A mop comprising a handle receiving socket having a head connected thereto, said head having the ends thereof bent at an angle to the body thereof, a bar polygonal in cross section pivoted at one of its ends to one of said head ends and having its other end adapted to be releasably locked to the other of said head ends, and a mop having a polygonal sleeve slidable non-rotatably on said bar and adapted to be secured non-rotatably by said bar to said head.

In testimony whereof I affix my signature.

STIVIN POULOS.