July 19, 1938. R. G. WINSTON 2,124,220

SHEET HOLDER FOR MOPS AND THE LIKE

Filed May 24, 1937

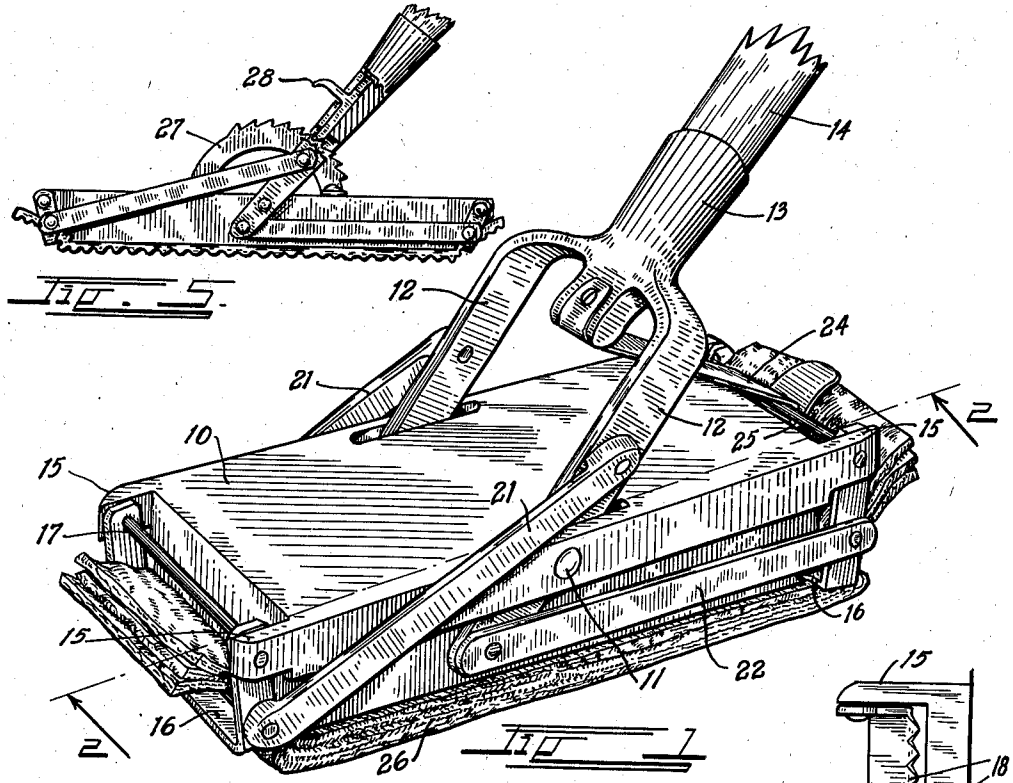


Fig. 5.

Fig. 1.

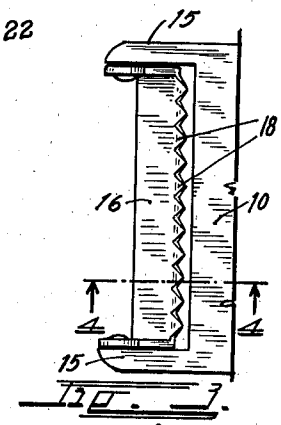


Fig. 3.

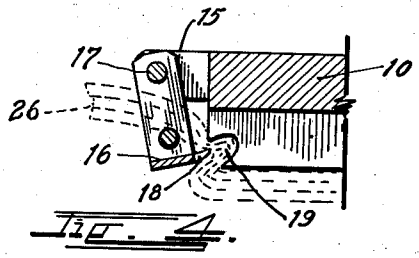


Fig. 4.

Fig. 2.

INVENTOR.
R. G. WINSTON
BY
ATTORNEY.

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SHEET HOLDER FOR MOPS AND THE LIKE

Roger Gregory Winston, Victor, Colo.

Application May 24, 1937, Serial No. 144,389

1 Claim. (Cl. 15—231)

This invention relates to a floor mop and has for its principal object the provision of a compact construction which will allow the mop cloths to be quickly and easily renewed and which will tightly clamp and stretch the cloth to present a tight smooth, mopping or scrubbing surface and in which the used mop cloth can be dropped without necessity of touching it with the hands.

Another object of the invention is to provide a device of this character which can be employed as a floor scrubber, dryer, waxer or sander by simply changing the various contact materials thereon.

Other objects and advantages reside in the detail construction of the invention, which is designed for simplicity, economy, and efficiency. These will become more apparent from the following description.

In the following detailed description of the invention reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in all views of the drawing and throughout the description.

In the drawing:—

Fig. 1 is a perspective view of the improved mop in the operating position, the handle thereof being broken away.

Fig. 2 is a longitudinal section through the edge thereof, taken on the line 2—2, Fig. 1, illustrating the mop in the released or unclamped position.

Fig. 3 is a fragmentary plan view of one extremity of the mop illustrating the clamping member.

Fig. 4 is a detail view of one extremity, illustrating the clamping jaw in the closed position.

Fig. 5 is a side elevation of an alternate form of the mop.

The invention comprises a block 10 through which a suitable pivot shaft 11 passes for the attachment of a handle yoke 12. The handle yoke 12 terminates in a handle socket 13 for the reception of any suitable handle 14. At each extremity of the block 10, a pair of ears 15 project to support a hinge pin 17. A U-shaped clamping member 16 is suspended from each hinge pin.

The clamping members are provided with a series of fangs or teeth 18 along their innermost edges. These teeth project into receiving grooves 19 formed in the ends of the block 10. The clamping member 16 at one extremity, is pulled toward its groove by means of a first pair of connecting bars 21, whereas the clamping member 16 at the other extremity is similarly actuated by means of a second pair of connecting bars 22.

The bars 22 connect to the yoke 12 below the pivot pin 11 while the bars 21 connect thereto above the pin so that, when the handle 14 is swung rearwardly, both clamping members will be simultaneously brought into engagement with the block 10 and when swung forwardly, will be both released from the block, as shown in Fig. 2.

The handle may be locked in the clamped position of Fig. 1, by means of a locking member 24. The locking member 24 is preferably formed of resilient material, such as spring steel, and terminates in a hook-like projection 25 which engages the hinge pin 17 at one extremity of the block 10.

It can be readily seen that any desired sheet material can be attached to the block. As illustrated in Fig. 1, several layers of fabric 26 are attached thereto to form a scrubbing or cleansing surface. As the teeth 18 force the fabric into the grooves 19, the fabric is stretched tightly and smoothly over the bottom of the block. Other materials may be employed in place of the fabric, such as rubber, waxing cloths, oiled polishing cloths, sand paper, etc.

In Fig. 5 an alternate form of the invention is illustrated. This form employs a ratchet locking member which enables a variety of thicknesses of material to be grasped. In this form a toothed ratchet segment 27 is formed on the block and a gravity actuated pawl 28 extends downwardly from the handle yoke into engagement with the ratchet 27. In this form the handle may be pressed down as far as necessary to clamp the fabric.

It has been found that a corrugated rubber mat clamped to the bottom of the block as shown at 29, in Fig. 5, forms an ideal scrubbing and scouring surface.

The block 10 may be formed of any desired material which will with stand the action of the water. A cast aluminum block is ideal for this purpose.

While a specific form of the improvement has been described and illustrated herein, it is desired to be understood that the same may be varied, within the scope of the appended claim, without departing from the spirit of the invention.

Having thus described the invention, what is claimed and desired secured by Letters Patent is:—

A floor dressing implement comprising: a base block; bracket members extending outwardly

from each extremity of said block; U-shaped clamping members hingedly suspended from said bracket members at each extremity of said block so that they may be swung inwardly against said block to clamp a flexible sheet across the bottom thereof; an inverted U-shaped yoke the legs of which extend downwardly over each side of said block; pivot means securing the arms of said yoke to the sides of said block; links securing the U-shaped clamping member at one extremity of said block to the legs of said yoke above said pivot means and the clamping member at the other extremity of said block to the leg below said pivot means; means for securing a handle to said yoke; and means for locking said handle at any desired angle.

ROGER GREGORY WINSTON.