March 21, 1950 N. HILL 2,501,514

MOP HOLDER WITH PIVOTED CLAMPING JAW

Filed July 14, 1948

FIG 1

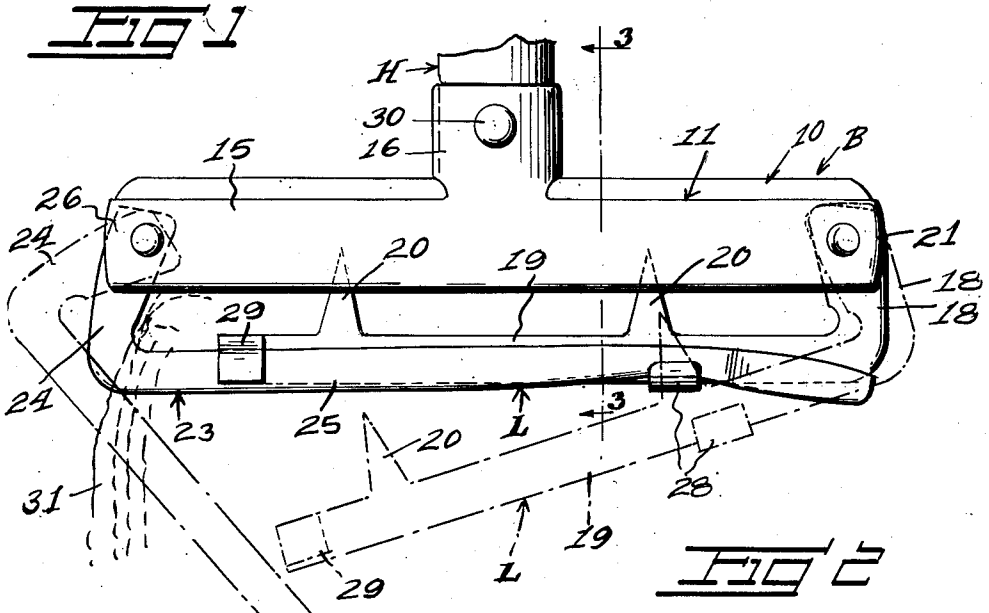


FIG 2

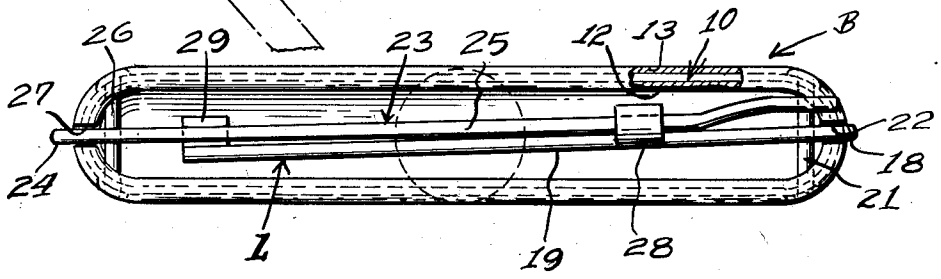
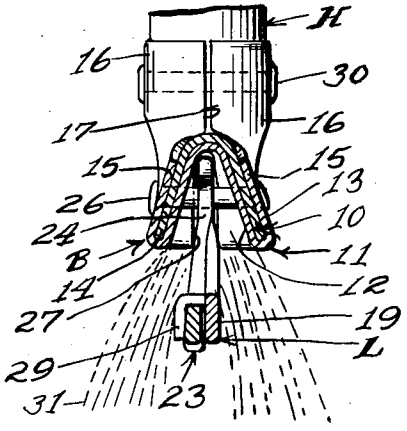


FIG 3



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Patented Mar. 21, 1950

2,501,514

UNITED STATES PATENT OFFICE

2,501,514

MOP HOLDER WITH PIVOTED CLAMPING JAW

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Application July 14, 1948, Serial No. 38,609

1 Claim. (Cl. 15—150)

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This invention relates to a mop holder and it is an object of the invention to provide a device of this kind, which will securely clamp and hold the mop so that it is protected against accidental release irrespective of any rough usage, to which it may be put during a working operation.

Another object of the invention is to provide a mop holder adapted to hold securely mops of varying sizes and construction to resist effectively any bending of the frame when a relatively heavy mop is applied to the holder.

A further object of the invention is to provide a mop holder of the character indicated above equipped with a lever adapted to secure a mop in working position in the frame or body of the holder and with a latch lever adapted to prevent any accidental mop releasing movement of the mop securing lever.

The invention consists in the details of construction and in the combination and arrangement of the several parts of the improved mop holder whereby certain important advantages are attained, as will be hereinafter more fully set forth.

In order that my invention may be better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:

Figure 1 is a plan view of a mop holder constructed in accordance with the present invention.

Figure 2 is a view in elevation of the forward end of the same a part being in section.

Figure 3 is a transverse section taken on the line 3—3 of Figure 1.

In the embodiment of the invention as disclosed in the accompanying drawings the improved holder comprises an elongated frame or body B having an elongated inner or reinforcing member 10 of substantially U-shaped cross section. An outer member 11 is preferably made from sheet metal and comprises a main portion 12 of substantially U-shaped cross section fitting snugly into the reinforcing member 10. The flanges 13 of the main portion 12 extend beyond the flanges 14 of the reinforcing member 10 and are bent outwardly to lie flatly against the flanges 14 as shown at 15. A semi-tubular member 16 is formed on each of the outwardly bent flange portions 15 centrally between the ends thereof and extends at right angles to the edge of the respective flange portion 15, so that the two semi-tubular members 16 form a substantially tubular socket 17.

An angular lever L has a comparatively short

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leg 18 and a comparatively long leg 19. A plurality of teeth or spikes 20 are formed on the inner edge of the comparatively long leg 19 intermediate the ends thereof and extend approximately parallel to the comparatively short leg 18, which is pivotally mounted adjacent to its free end on a pivot pin 21 extending, through the body B adjacent to one end of said body. The pivot pin 21 serves at the same time as a rivet to secure the outside member 11 and the reinforcing member 10 of the body B together. The end portions of the members forming said body B projecting beyond the pivot pin 21 are bent inwardly toward each other to form a guide slot 22 on the end of the body B for the short leg 18 of the lever L.

An angular latch lever 23 has a comparatively short leg 24 and a comparatively long leg 25, and is pivotally mounted on a pivot pin 26 extending through the body B adjacent to the end thereof opposite to the first named pivot pin 21. The pin 26 serves at the same as a rivet to secure the outside member 11 and the reinforcing member 10 together. The end portions of body B projecting beyond the second pivot pin 26 are bent inwardly toward each other to form a guide slot 27 in the end of the body B for the comparatively short leg 24 of the latch lever 23.

The length of the lever L is such that it extends approximately over the entire length of the body B, when it is pivoted into working position. The teeth or spikes 20 extend into the body B when the liver L is arranged in the described position. On the inner edge of the free end portion of the long leg 19 of the liver L a laterally projecting upwardly pointing latch hook 28 is formed, and on the outer edge of said long leg 19 a downwardly pointing latch hook 29 is formed adjacent the short leg 18 of the lever L and projects to the same side from said long leg 19 as the first mentioned latch hook 18.

A handle member H of any desired length and material is inserted into the socket 17 and is secured therein by any conventional means, for instance by a bolt 30 extending diametrically through the socket 17 and the handle member H.

A mop or head 31 is mounted in the above described holder in the following manner. The latch lever 23 and the toothed lever L are pivoted so that their respective long legs 25 and 19 extend outwardly from the body B. The mop or head 31 is arranged in the body in the conventional way so that an approximately equal quantity of mop strands 32 is arranged toward each side of the body B. The toothed lever L is pivoted to-

ward the body so that the teeth or spikes **20** engage the central portion of the mop in working position on the holder. To prevent an accidental release of said mop or head from the toothed lever L, the latch lever is pivoted toward the body B until it engages the secondly named latch hook **29** on the toothed lever L. The free end portion of the latch lever leg **25** is forced past the latch hook **28** adjacent the pivot end of the toothed lever L and is then returned to engage said latch hook, so that the latch lever **23** engages both latch hooks **28** and **29** simultaneously preventing any accidental mop releasing movement of the toothed mop securing lever L.

I claim:

A mop holder including an elongated body having a substantially U-shaped cross section adapted to receive a mop, a lever pivotally mounted on the body adjacent to one end thereof and adapted to be pivoted into mop engaging and retaining position, a latch lever pivotally mounted on the body adjacent to the other end thereof and adapted to engage the mop retaining lever and to prevent any mop releasing movement

thereof, an inwardly pointing latch hook on the mop engaging lever on its outer edge adjacent to its pivot, and an outwardly pointing latch hook on the inner edge of the free end portion of the mop engaging lever, the two latch hooks projecting laterally from said lever in the same direction, the latch lever being adapted to be arranged in both latch hooks when the levers are in working position.

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