Nov. 1, 1949 R. A. PARKER 2,486,757

LEVER OPERATED, SLIDING JAW MOP HOLDER

Filed April 27, 1946

Fig. 1.

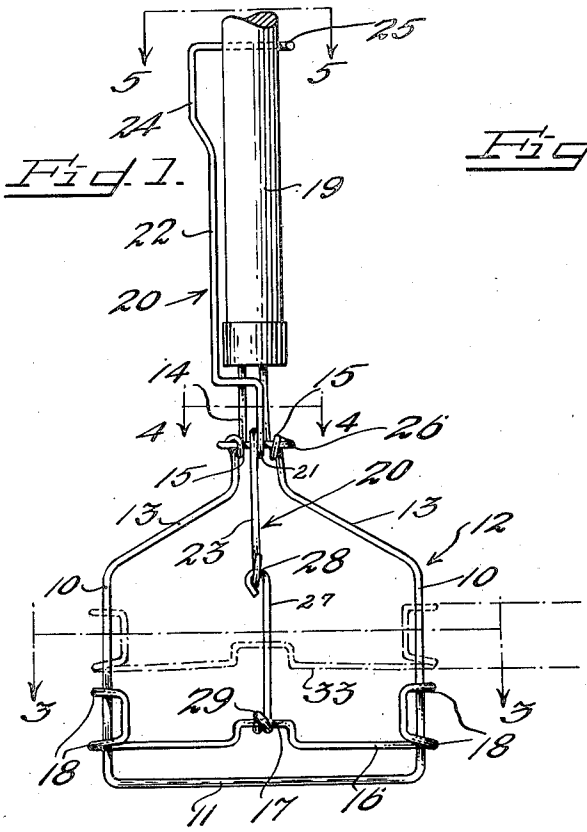


Fig. 2.

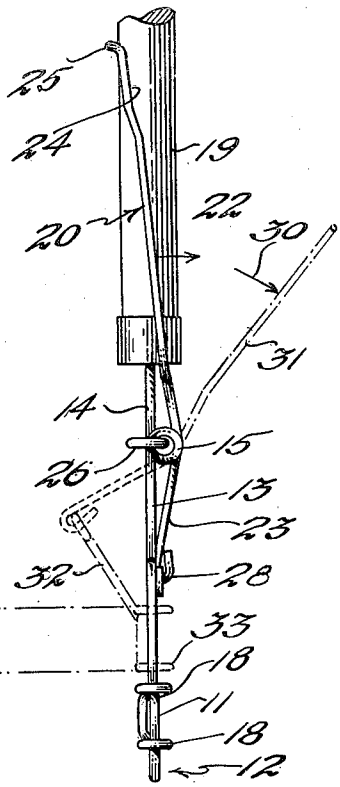


Fig. 3.

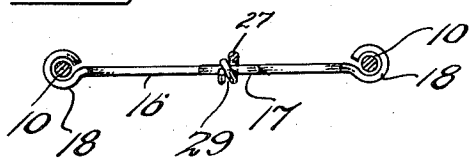


Fig. 4.

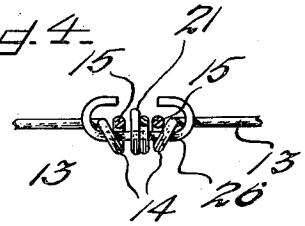
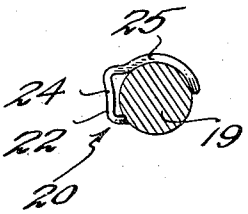


Fig. 5.



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LEVER OPERATED SLIDING JAW MOP HOLDER

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Application April 27, 1946, Serial No. 665,433

2 Claims. (Cl. 15—152)

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This invention relates to new and useful improvements and structural refinements in mop holders, and the principal object of the invention is to provide a device of the character herein described, such as may be effectively and conveniently employed for the attachment of mops and the like, to the handles usually used in association with the same.

A further object of the invention is to provide a mop holder in which the mop may be readily applied or removed.

Another object of the invention is to provide a mop holder which is simple in construction and operation, and which cannot be easily damaged.

An additional object of the invention is to provide a mop holder which will readily lend itself to economical manufacture.

With the above more important objects in view, and such other objects as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a top plan view of the invention,

Figure 2 is a side elevation thereof,

Figure 3 is a cross sectional view, taken in the plane of the line 3—3 of Figure 1,

Figure 4 is a cross sectional view, taken in the plane of the line 4—4 in Figure 1, and

Figure 5 is a cross sectional view, taken in the plane of the line 5—5 of Figure 1.

Like characters of reference are used to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention embodies in its construction a one-piece wire rod angulated to form spaced parallel side members 10 and a cross member 11 at one end of said side members, said members as a whole, defining a frame designated by the general reference character 12.

The free ends of the side members 10 are convergently angulated as at 13, and terminate in a relatively narrow yoke 14, at the remaining end of the framework 12. It will be noted that the rod forming this yoke is looped to provide a pair of aligned ears 15 on the sides of the yoke, the purpose of which will be more fully hereinafter described.

A further one-piece rod extends between the side members 10 and constitutes what may be referred to as a movable jaw 16, the same being provided intermediate its ends with an offset portion forming a detent, so to speak, 17.

The end portions of the jaw 16 are coiled to

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provide pairs of eyes 18, the latter being slidably positioned on the side members 10 as will be clearly apparent from the accompanying drawings.

The extremities of the yoke 14 are suitably embedded in the end of a conventional mop handle 19, and an additional one-piece rod is employed to form a double arm crank designated generally by the reference character 20.

In effect, this crank consists of a looped portion 21 formed between a relatively long arm 22 and a relatively short arm 23 of the crank 20, the arm 22 extending generally in the direction of the handle 19 and being angulated to provide a finger piece 24 and an arcuated retainer 25. It will be noted that the retainer 25 is complementary to the cross section of the handle 19 and the purpose of the components 24 and 25 will be more fully hereinafter set forth.

The crank 20 is pivotally connected, so to speak, to the frame 12 by means of a wire rod or pin 26 extending through the eyes 15 and through the loop 21, the pin 26 being angulated as is best shown in Figure 4, in order to retain itself in position.

The free end of the arm 23 is arcuated and pivotally connected to a further arcuation provided at the end of a bar 27, this pivoted connection being collectively designated by the reference character 28.

The remaining end of the bar 27 is similarly coiled as at 29 around the detent 17 of the jaw 16, whereby a pivotal connection of the bar 27 to the jaw is obtained.

When the invention is placed in use, the retainer 25 of the crank 20 is disengaged from the handle 19, and the crank 20 is swung or rotated in the direction of the arrow 30, to a position designated by the phantom lines 31.

This movement will, of course, be accompanied by a corresponding movement of the bar 27 as indicated by the phantom lines 32, and it will be noted that the jaw 16 will be slid along the side members 10 of the framework 12, as is indicated by the phantom line 33.

The mop, or the like, (not shown) may now be inserted between the cross member 11 and the jaw 16, whereupon the crank 20 is again manipulated so that the retainer 25 engages the handle 19, as is best shown in the accompanying Figure 2. This action will, of course, result in the gripping, so to speak, of the mop between the cross member 11 and the jaw 16 whereby the mop will be firmly and securely retained in position.

It is believed that the use and the advantages

of the invention will be clearly understood from the foregoing disclosure and accordingly, further description thereof at this point is considered unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination, and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim as my invention is:

1. A mop holder comprising in combination, a one-piece wire rod angulated to form spaced parallel side members and a cross member at one end thereof, said members defining a frame, the free ends of said rod being convergent and terminating in a relatively narrow yoke at the remaining end of said frame, said rod being looped to form a pair of aligned ears on the sides of said yoke, a further one-piece rod extending between said side members and constituting a movable jaw, an offset portion forming a detent intermediate the ends of said jaw, the end portions of said jaw being coiled to provide pairs of eyes slidable on said side members, a double-arm crank positioned between and pivoted to said ears, one arm of said crank constituting an operating lever, a bar pivotally connected to the remaining arm of said crank and to the detent on said jaw, and a handle secured to said yoke.

2. A mop holder comprising in combination, a one-piece wire rod angulated to form a pair of spaced parallel side members and a cross member at one end thereof, said members defining a frame, the free ends of said rod being convergent

and terminating in a relatively narrow yoke at the remaining end of said frame, a handle secured to said yoke, said rod being looped to provide a pair of aligned ears on the sides of said yoke, a pin extending through said ears, a further one-piece rod extending between said side members and constituting a movable jaw, an offset portion forming a detent intermediate the ends of said jaw, the end portions of said jaw being coiled to provide pairs of eyes slidably positioned on said side members, an additional one-piece rod forming a double-arm crank, a loop provided between the arms of said crank, said loop of said crank being pivotally mounted on said pin between the ears of said yoke, and a bar pivotally connected at one end thereof to one arm of said crank and pivotally connected at the remaining end thereof to said detent on said jaw, the remaining arm of said crank being angulated to provide a finger-piece and terminating in a retainer, the mop being receivable between said cross member and said jaw, and said retainer being releasably engageable with said handle.

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