June 10, 1924. 1,496,925

E. M. EDDY

MOP HOLDER

Filed Nov. 30, 1923

Fig. 1.

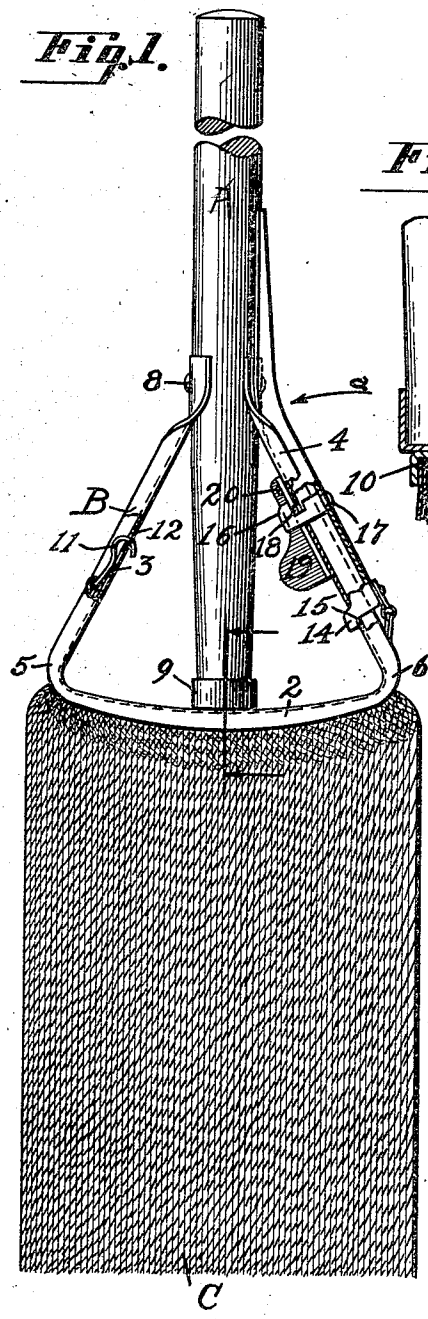


Fig. 3.

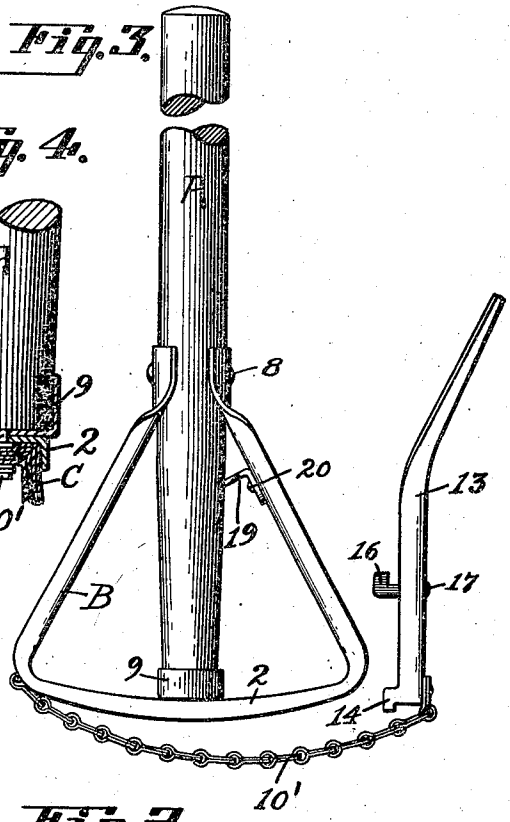


Fig. 4.

Fig. 2.

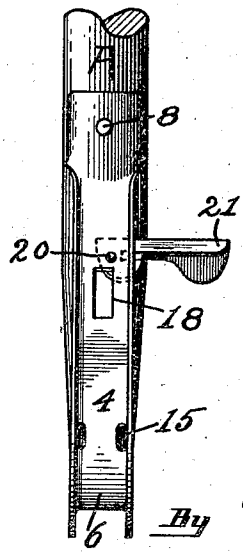
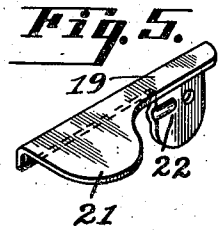


Fig. 5.



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UNITED STATES PATENT OFFICE.

EDWIN M. EDDY, OF SAN FRANCISCO, CALIFORNIA.

MOP HOLDER.

Application filed November 30, 1923. Serial No. 677,850.

To all whom it may concern:

Be it known that I, EDWIN M. EDDY, a citizen of the United States, residing at the city and county of San Francisco and State of California, have invented new and useful Improvements in a Mop Holder, of which the following is a specification.

This invention relates to mops, scrubbing devices and the like, and especially to a modified form of the structure shown in my copending application entitled "mop holder," filed November 30, 1923, Serial No. 677,849.

The object of the present invention, like that of the copending application referred to, is to generally improve and simplify the construction and operation of mop holders and like devices; to provide a holder in which a mop may be securely fastened and in which the mop may be quickly and readily placed or removed; to provide a flexible support for the mop proper, and a lever for tightening the flexible support, and furthermore, to provide a latch whereby the lever may be locked when the flexible member has been pulled to taut position.

One form which my invention may assume is exemplified in the following description and illustrated in the accompanying drawings, in which—

Fig. 1 is a side elevation of the mop holder partially in section.

Fig. 2 is an edge view of the mop holder showing the tightening lever and the mop supporting chain removed.

Fig. 3 is a similar view showing the mop removed, and showing the chain and the lever whereby it is tightened in released position.

Fig. 4 is an enlarged detail section, taken on line 4—4, Fig. 1.

Fig. 5 is a detail view.

Referring to the drawings in detail, and particularly to Figs. 1 and 2, A indicates, in general, a handle, B the mop holder, and C the mop. The holder B is constructed of a section of channel iron, which is bent to form a triangular shape. The triangular shape produced consists of a base section 2 and a pair of side legs 3 and 4. The base section 2 is slightly curved and the corners are rounded as indicated at 5 and 6. The upper ends of the leg sections 3 and 4 are flattened out, and they are secured to the handle by a bolt, rivet or the like, indicated at 8. The handle A is extended downwardly between the legs, and the lower end projects into a socket or ferrule 9, in which it is secured by a nail or screw 10 passing through the base section 2 and the ferrule. A rigid and secure connection is thus made between the handle and the mop holder.

The mop proper is secured to the holder by means of a chain indicated at 10'. One end of the chain terminates in a hook 11 and this is inserted in one or another of a series of perforations 12 formed in the leg 3. The opposite end of the chain is secured to a tightening lever, generally indicated at 13. The lower end of this lever is offset, as indicated at 14, to form a fulcrum point, and it is adapted to be inserted into a slot 15 formed near the lower end of the leg 4. The tightening lever is provided with a lug 16, which is rigidly secured thereto by means of a rivet or the like as indicated at 17. The leg 4 is slotted as at 18 to permit the lug to pass therethrough, and the leg 4 is otherwise provided with a latch 19, which is pivotally supported at the point indicated at 20. This latch is provided with a handle 21, and it is adapted to be turned from the full line position shown in Fig. 2 to a position in parallelism with the leg 4 as shown in Fig. 1. The lug 16, together with the latch 19, serves as a locking means for the tightening lever 13, and the operation thereof will be as follows:

Any suitable form of mop may be employed, for instance, a section of fabric or a plurality of interwoven cords, such as here shown. This mop is placed on the chain and the lever 13 is then grasped and its lower end 14 inserted in the slots 15. The offset lower end 14 resting in the slots 15 forms a fulcrum point about which the lever is swung. It is swung inwardly in the direction of arrow *a*, and the lever action produced during this siwnging movement is so great that the chain is pulled tightly upwardly into the channel of the base section 2, thus positively securing the mop against removal as the mop will be clamped between the chain and the side walls of the channel as shown in Fig. 4. When the lever is swung into parallelism with the leg 4, or into engagement therewith, lug 16 will project through the slot 18 and it will then only be necessary to

swing the latch 19 into parallelism with the leg 4. When the latch is so swung it will pass in under the lug 16 and the tightening lever will thus be rigidly locked.

The face of the latch is slightly raised as indicated at 22, and a spring like action is thus obtained which will secure the latch against accidental release. If it is desired to remove the mop, for cleaning, replacement or otherwise, it is only necessary to release the latch 19 by swinging it, through means of the lever 21, to the full line position shown in Fig. 2. The latch is in this manner swung out of engagement with the lug 16 and the tightening lever is thus free and may be swung to open position and released with relation to the slots 15. It may here be lifted out and the chain slackened as shown in Fig. 3, thereby permitting the mop to be readily removed. If a mop of greater or less thickness is inserted, it is possible to adjust the chain by inserting a hook 11 in one or another of the perforations indicated at 12. It is therefore possible to take care of mops of practically any size and weight desired. This adjustable feature is, however, not claimed in this application as it is already disclosed and covered in a copending application previously referred to. In fact, the only novel feature here disclosed is the locking latch 19, together with the lug 16 carried by the handle, and it is these features which are covered by the claims appended hereto.

While certain features of the present invention are more or less specifically illustrated, I wish it understood that various changes in form and proportion may be resorted to within the scope of the appended claims. I similarly wish it understood that the materials and finish of the several parts employed may be such as the experience and judgment of the manufacturer may dictate or various uses may demand.

Having thus described my invention, what I claim and desire to secure by Letters Patent is—

1. A mop holder of the character described, comprising a handle, a base section, a pair of contiguous legs, said base and legs forming a substantially triangular shape, a mop supporting chain adjustably secured to one leg, a tightening lever detachable with relation to the opposite leg and adapted to be pivotally supported by said leg, said lever having the opposite end of the chain secured thereto, a lug on the lever adapted to project through a slot formed in the adjacent leg, and a latch pivotally secured on the inner side of said leg and adapted to interlock with the lug.

2. A mop holder of the character described, comprising a handle, a base section, a pair of contiguous legs, said base and legs forming a substantially triangular shape, a mop supporting chain adjustably secured to one leg, a tightening lever detachable with relation to the opposite leg and adapted to be pivotally supported by said leg, said lever having the opposite end of the chain secured thereto, a lug on the lever adapted to project through a slot formed in the adjacent leg, a lever pivotally mounted on the inner side of said leg, and a latch formed on said lever adapted to be swung into and out of engagement with the lug.

3. A mop holder of the character described, comprising a handle, a base section, a pair of contiguous legs, said base and legs forming a substantially triangular shape, a mop supporting chain adjustably secured to one leg, a tightening lever detachable with relation to the opposite leg and adapted to be pivotally supported by said leg, said lever having the opposite end of the chain secured thereto, a lug on the lever adapted to project through a slot formed in the adjacent leg, a lever pivotally mounted on the inner side of said leg, and a latch formed on said lever adapted to be swung into and out of engagement with the lug, said latch having a recess formed in its face to receive the lug and to act as a spring lock.

EDWIN M. EDDY.