

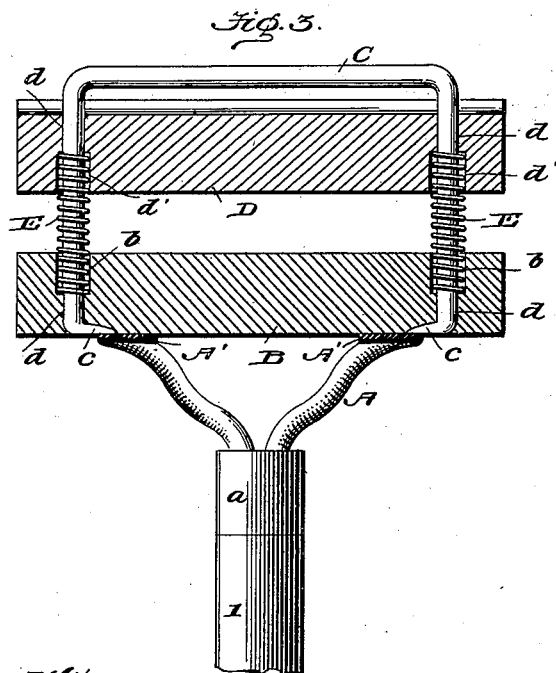
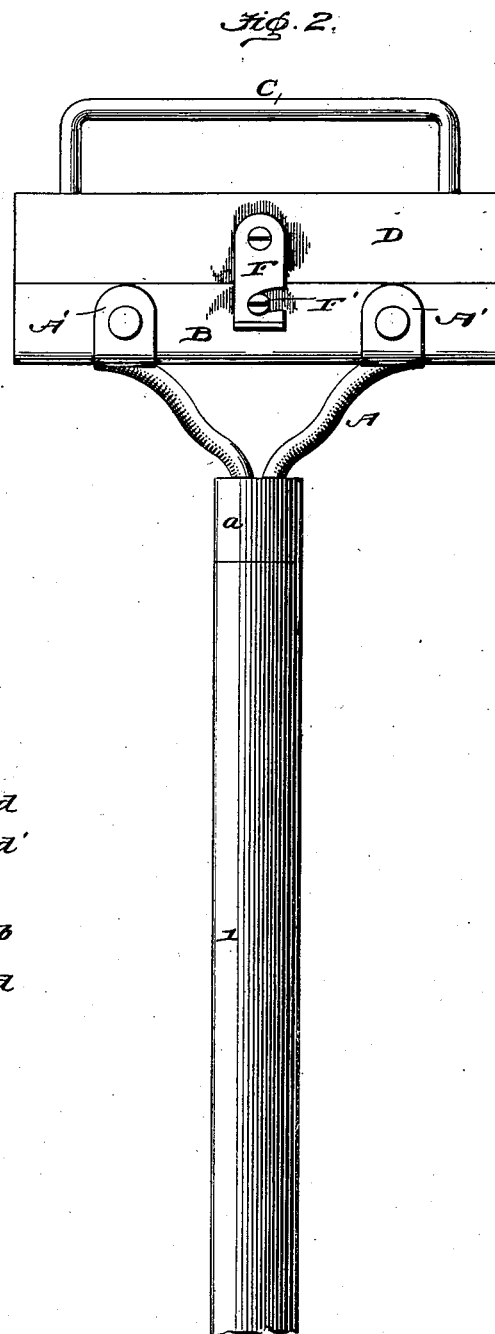
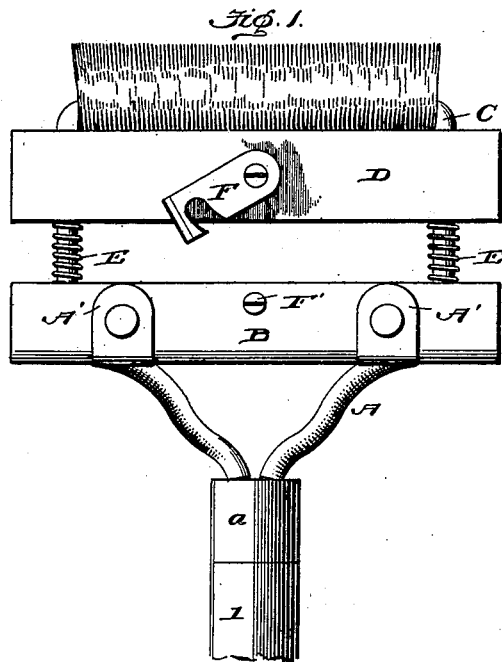
No. 648,846.

P. C. CANFIELD.
MOP HEAD.

Patented May 1, 1900.

(Application filed Aug. 7, 1899.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

PATRICK C. CANFIELD, OF TOLEDO, OHIO.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 648,846, dated May 1, 1900.

Application filed August 7, 1899. Serial No. 726,420. (No model.)

To all whom it may concern:

Be it known that I, PATRICK C. CANFIELD, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Mops; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful improvement in mops; and one object, among other things, is to provide a head of simple and economic construction and durable and effective in use.

A further object is to provide a sliding jaw within the head, which is mounted upon a wire or rod secured to the head in a novel and effective manner.

To these ends the invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of the invention, and in which—

Figure 1 is a plan view of the head in normal or working position. Fig. 2 is a similar view showing the head locked in opened position. Fig. 3 is a longitudinal horizontal section through Fig. 1.

Referring to said figures by letters of reference, A is the shank of the head, preferably of the form shown, provided with a socket *a* at a point intermediate its ends for the reception of a handle *h*. Each end of the shank is provided with two parallel ears *A'*, adapted to straddle and be secured to a cross-bar B, near opposite ends thereof, in any suitable manner. A substantially bail-shaped rod C projects through opposite ends of a cross-head B, near the ends thereof, as shown, the ends *c* thereof being turned upwardly upon the rear edge of the cross-bar B and projecting under the shank A intermediate the ears *a*. In this manner the rod C is securely retained in position within the head and cannot be wrenched therefrom.

Mounted upon the rod C is a sliding cross-head D, of suitable material, provided near opposite ends with passages *d* for the reception of said rod. These passages are each enlarged at their inner ends, as at *d'*, for the

reception of the end of a coiled spring E, mounted upon the rod C intermediate the two cross-heads, the opposite ends of the springs being seated in similar countersinks *b* in the fixed cross-head B.

A catch, as F, is provided and adapted to engage with a pin or other suitable object *F'*, for the purpose hereinafter described.

In operation the cross-head D is slid upon the rod C toward the cross-head B, compressing the springs E, and is locked in position by means of the catch F. A mop-cloth can be placed between cross-head D and the rod C and the catch F released. The springs E will immediately force the sliding cross-head outward against the mop-cloth, clamping it against the intermediate portion *C'* of the rod C. The mop is then ready to be used.

By this construction the number of parts is reduced and a strong and durable device is secured.

In the foregoing description is shown the preferred form of the invention, but the same is not limited thereto, as modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and the right is therefore reserved to make such changes as fairly fall within the scope of the invention.

Having thus fully described the invention, what is therefore claimed is—

1. In a mop-head, the combination of a cross-head, a bail-shaped rod secured thereto, a slidable cross-head on the rod, and springs mounted on said rod intermediate the two cross-heads, substantially as described.

2. In a mop-head, the combination of a cross-head, a bail-shaped rod secured thereto, a slidable cross-head on said rod, countersinks in each of the cross-heads, and springs mounted on the rod intermediate the cross-heads and projecting into the countersinks, whereby the sliding jaw is normally clamped upon the intermediate portion of the rod, substantially as described.

3. In a mop-head, the combination of the cross-head, the shank secured thereto, a bail-shaped bar projecting through the cross-head and having its ends between the shank and cross-head, the shank serving as a stop for said ends, substantially as described.

4. In a mop-head, the combination of a

fixed cross-head, a bail-shaped rod secured thereto, a slidable cross-head on the rod, springs mounted on the rod intermediate the cross-heads, a shank secured to the fixed cross-
5 head, and inwardly-turned ends of said rod intermediate the shank and fixed cross-head, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

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Witnesses:

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