

F. C. Kendall,

Mort Head.

No. 109421.

Patented Nov. 22. 1870.

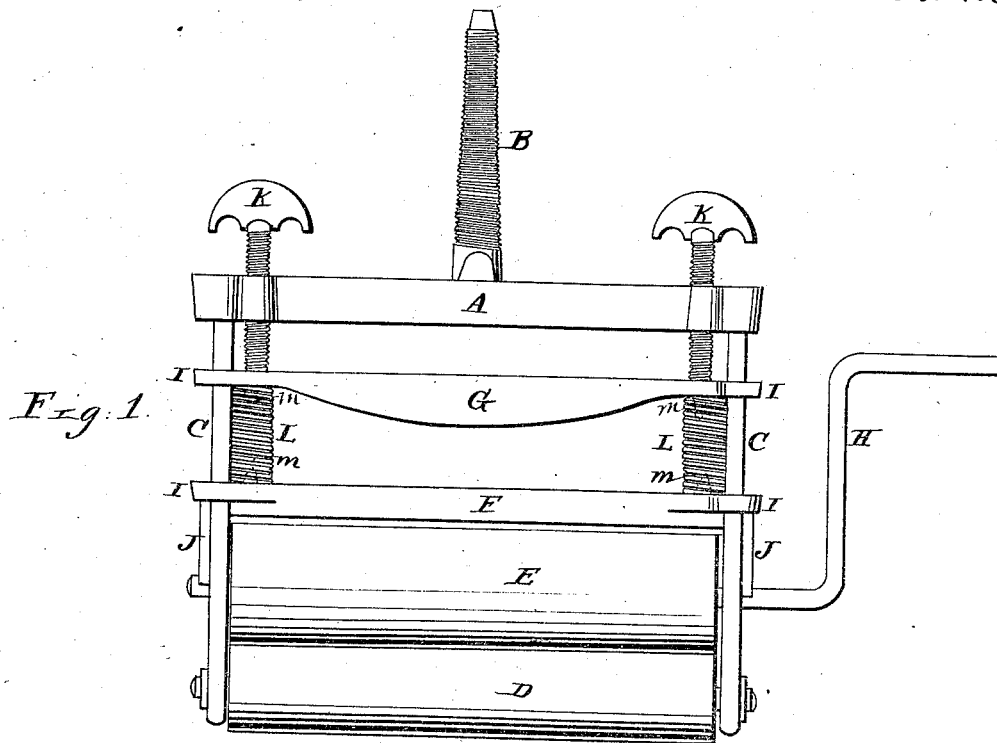
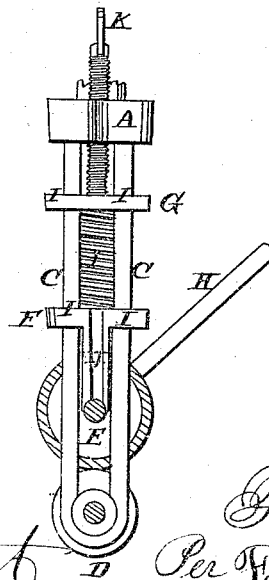


Fig. 2.



Witnesses:

E. H. Frost

William Edgar

Inventor:

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United States Patent Office.

FERNANDO C. KENDALL, OF HARTFORD, WISCONSIN, ASSIGNOR TO HIMSELF AND GILBERT R. BARNEY, OF SAME PLACE.

Letters Patent No. 109,421, dated November 22, 1870.

IMPROVEMENT IN MOP-HEADS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, FERNANDO C. KENDALL, of Hartford, in the county of Washington and State of Wisconsin, have invented certain new and useful Improvements in Mop-Heads; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a side elevation of my improved mop-head, and

Figure 2 is an end elevation of the same.

Similar letters of reference in the drawings indicate corresponding parts.

My invention has for its object to provide an improved mop-head; and

It consists in the peculiar construction of the same, which I will now proceed to describe in detail.

In the drawing—

A is the top or main bar of the head, adapted for attachment to a suitable handle by means of the screw-shank B.

C C are the end pieces of the head, each forming a loop to receive and guide the rollers D E, and the pressure-bars F G.

The lower roller D is composed of wood, and has its bearings in the extreme lower ends of the loops C.

The upper roller E is covered with India rubber, and rests upon the roller D, with its shaft entering the loop C.

One end of this shaft forms a crank-handle, H, by which the roller E is operated.

F is the lower pressure-bar, adapted to slide freely upon the loops C, which pass through eyes I formed at each end of said bar.

It is also provided, at each end, with a lateral arm, J, which projects downward between the arms of the loops, to bear upon the journals of the upper roller E.

G is the upper pressure-bar, fitted upon the loops C in a manner similar to the lower bar, and adapted to receive the pressure of the set-screws K, which pass through the top bar of the mop-head.

L are spiral springs, held between the pressure-bars by means of projections m, formed upon the latter, as shown.

My improved mop-head is operated in the following manner:

The mop-cloth is first placed between the rollers, and the set-screws K turned down to compress the springs, the pressure of which is exerted upon the

shaft of the upper roller, through the medium of the lower pressure-bar and its lateral arms J.

By the arrangement of the two pressure-bars and springs, the pressure upon the upper roller is rendered uniform, and the mop-cloth held securely in place at each end of the head.

When it is desired to wring the cloth, the crank-handle H is turned in one direction, and then in the opposite direction, to express the water from each end of the cloth. It is finally turned in the first direction, to bring the center of the cloth in contact with the rollers, in which position it is again ready for use.

By the employment of the rubber-covered roller, in connection with the wooden roller, the operation of wringing the cloth is greatly facilitated, inasmuch as the friction upon the rubber is greater than upon the wood, and also from the fact that the addition of the rubber increases the diameter of the upper roller.

As this roller is the one operated by the crank-handle to wring the cloth, it is evident that its friction upon the latter should be greater than the lower roller, which simply furnishes a support or guide for the cloth.

If desired, however, the position of the two rollers may be changed; but it is preferable to arrange them as shown, because the crank-handle is thus carried upward along the end of the mop-head, and out of contact with the surface to be mopped.

Having thus described my invention,

What I claim as new therein, and desire to secure by Letters Patent, is—

1. The combination, with a mop-head, as herein described, of a wooden roller and an India-rubber-covered roller, substantially as described, for the purpose specified.

2. In combination with the main bar A, looped ends C, and rollers D E, the adjustable spring pressure-bars F G, constructed substantially as described, for the purpose specified.

3. The mop-head, consisting of the main bar A, looped ends C, rollers D E, crank-handle H, springs L, and adjustable pressure-bars F G, all constructed as described, for the purpose specified.

The above specification of my invention signed by me this day of September, 1870.

FERNANDO C. KENDALL.

Witnesses:

H. W. SAWYER,
J. D. WHEELLOCK.