

J. H. NEWTON.
Mop-Wringers.

No. 140,216.

Patented June 24, 1873.

Fig. 1.

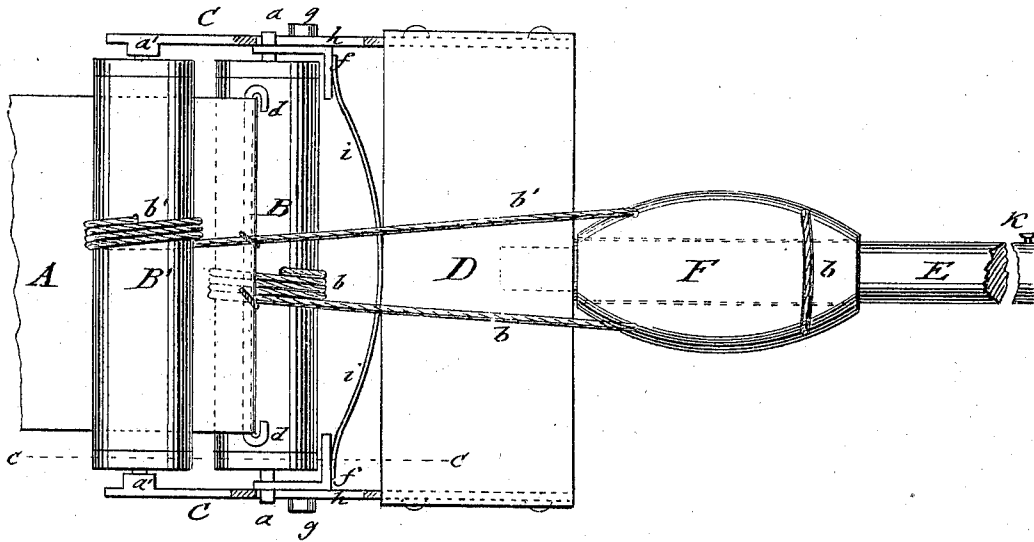
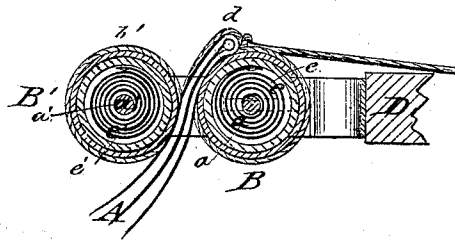


Fig. 2.



Witnesses:

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JAMES H. NEWTON, OF PAXTON, ILLINOIS.

IMPROVEMENT IN MOP-WRINGERS.

Specification forming part of Letters Patent No. **140,216**, dated June 24, 1873; application filed May 24, 1873.

To all whom it may concern:

Be it known that I, JAMES H. NEWTON, of Paxton, in the county of Ford and State of Illinois, have invented a new and Improved Mop-Wringer, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view of my improved mop-wringer, and Fig. 2 a vertical transverse section on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish, in connection with the mop in common use, an effective wringer, by which the cloth may be wrung dry without the use of the hands, and the cleaning of the floors thereby accomplished in less time and with less trouble. My invention consists in the arrangement of the mop with rollers having spiral springs in their interior, in connection with a sliding piece and strings, by which the mop is drawn through the rollers and pulled back again for use by the action of the roller-springs.

In the drawing, A represents the mop, of the usual shape and material. B B are the hollow rollers, between which the mop is wrung, of wood, metal, rubber, or other suitable material. They are hung with their shafts *a a* into the arms C of lateral piece D, and are made, preferably, of suitable metal, to be applied by screws or otherwise to piece D. The mop-handle E is secured centrally to piece D, and carries the sliding piece F, of oval or other shape, which is perforated in longitudinal direction for the strings *b b'*, which are either joined or otherwise connected to sliding piece F. The strings *b b'* are both fastened to a wire bar or rod, *d*, applied to the end of mop A, and are then extended and wound around rollers B B', respectively, in opposite directions to each other, and fastened with their ends thereto. Spiral springs *e e'* are coiled around the shafts *a a'* in the interior of rollers B B', being connected with one end to the shaft, with the other to the roller, and arranged to act in a direction op-

posite to that in which strings *b b'* turn the rollers B B'. Whenever, therefore, the mop A is drawn by the slide F through the rollers, the force of the coiled springs *e* draws the mop A back in an opposite direction. The mop is thereby completely wrung, and may be applied again with clean water. The shaft *a* of the upper roller B rests on sliding lugs *f*, which move by projecting-bolts *g* in guide-slots *h* of arms C, and are pressed by a strong band-spring, *i*, attached to frame B forward, forcing thereby roller D against roller B'. Different thicknesses of mops may therefore be applied, and the efficacy of the wringer be increased by the yielding of roller B to unevennesses of the mops. A stop, K, of the handle, placed at the length of the mop above the slide F, arrests the same when the mop has almost entirely passed through the wringer, and prevents thereby the slipping out of the mop from the rollers.

By the rapid action of the wringer on the mop a great deal of time is saved, and, by the ease of handling, the labor considerably lightened.

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

1. The mop-wringer, consisting of mop A, rollers B B' hung to arms C of lateral frame-piece D, handle E, and slide F with strings *b b'*, substantially as set forth and described.
2. The mop A having wire-rod *d* attached to strings *b b'* which connect slide F with rollers B B', as set forth.
3. The hollow rollers B B' having springs *e e'* coiled around shafts *a a'* in opposite direction to strings *e e'*, for the purpose described.
4. The frame-piece D with arms C having slots *h*, in combination with lugs *f*, bolts *g*, band-spring *i*, and shaft *a* of roller B, to press the same against roller B', as set forth.

JAMES H. NEWTON.

Witnesses:

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