

H. I. HOTCHKISS.
MOP-WRINGER.

No. 174,678.

Patented March 14, 1876.

Fig. 1.

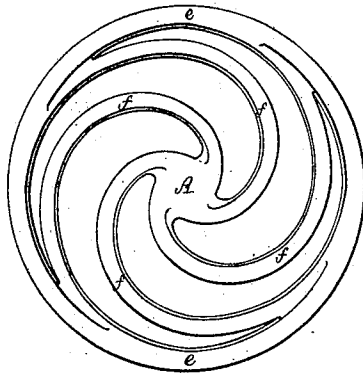


Fig. 2.

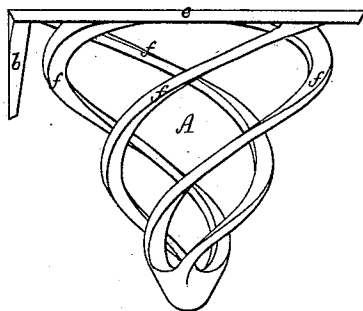


Fig. 3.

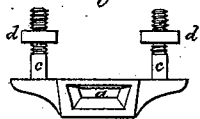
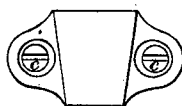


Fig. 4.



Witnesses.

S. W. Piper.
L. W. Miller.

Henry I. Hotchkiss

by his attorney.

R. R. Eddy

UNITED STATES PATENT OFFICE.

HENRY I. HOTCHKISS, OF BERLIN FALLS, NEW HAMPSHIRE.

IMPROVEMENT IN MOP-WRINGERS.

Specification forming part of Letters Patent No. **174,678**, dated March 14, 1876; application filed January 28, 1876.

To all whom it may concern:

Be it known that I, HENRY I. HOTCHKISS, of Berlin Falls, of the county of Coos and State of New Hampshire, have invented a new and useful Mop-Wringer, and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a side elevation of the said mop-wringer. Fig. 3 is a top view, and Fig. 4 a front elevation of a socket-piece for supporting such wringer over a tub.

The said socket-piece has a tapering mortise or hole, *a*, extending through it to receive the tenon or ear *b* that extends down from the wringer, as shown in the drawings. The socket-piece is to be fastened to the inner surface of a tub, and at or near its top, by means of screws *c c* and nuts *d d*. The wringer *A*, besides the tenon or ear *b*, is composed of a ring, *e*, and a series of conico-spiral bars, *ffff*, extending therefrom and united together at their lower ends, all substantially as represented.

When the wringer is arranged over a tub or pail, and it may be desirable to use it in freeing a mop or cloth from water or a liquid, such mop or cloth should be inserted and pressed down within the wringer and be revolved therein, in which case the spiral bars of the wringer will so compress the mop or cloth as to readily free it of water.

I do not claim a conico-spiral wringer, supported at its vertex in a bar extending wholly or partially across a tub. In my wringer the support is at the ring, whereby the whole wringer is brought practically within the tub.

I therefore claim—

The mop-wringer, composed of the ring *e* and series of conico-spiral bars *ffff* and the tenon or ear *b*, arranged as set forth.

HENRY I. HOTCHKISS.

Witnesses:

R. H. EDDY,
J. R. SNOW.