

(No Model.)

H. F. LOW.
MOP WRINGER.

No. 516,272.

Patented Mar. 13, 1894.

FIG. 1

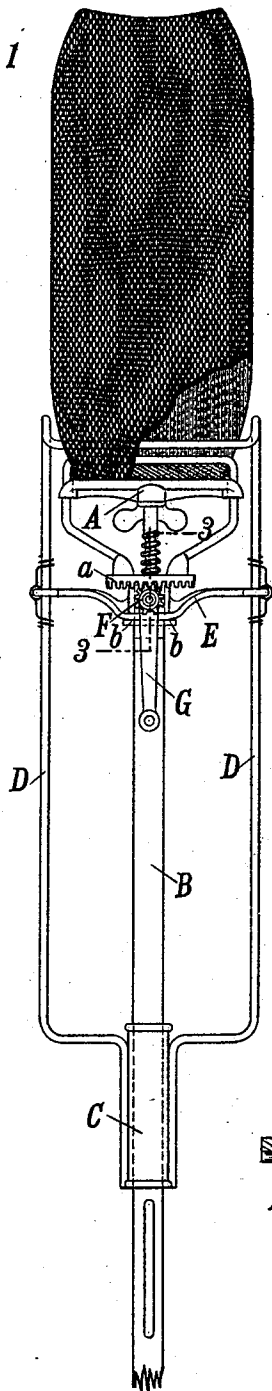


FIG. 2

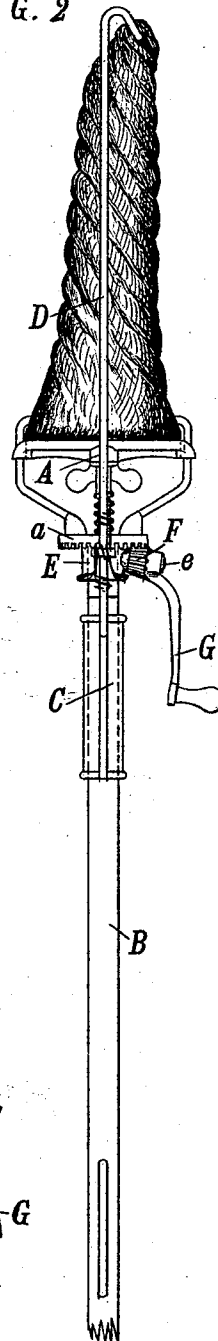
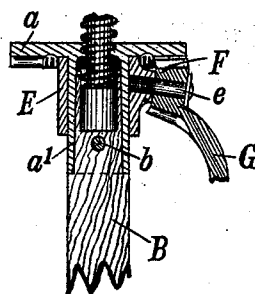


FIG. 3



WITNESSES.

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INVENTOR.

Hamilton F. Low
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UNITED STATES PATENT OFFICE.

HAMILTON F. LOW, OF CLEVELAND, OHIO, ASSIGNOR TO LOUIS KOEHL, OF
SAME PLACE.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 516,272, dated March 13, 1894.

Application filed May 27, 1893. Serial No. 475,688. (No model.)

To all whom it may concern:

Be it known that I, HAMILTON F. LOW, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Mop-Wringers; 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.

My invention relates to wringing attachments for mops; and my object is to provide a cheap and simple combination of parts with which the mop head and wringing frame may be easily revolved in opposite directions, thus twisting the mop fabric.

The invention consists in the construction and combination of parts hereinafter described and pointed out definitely in the claims.

In the drawings, Figure 1 is a front view of a mop provided with my invention when the wringing frame is drawn up out of the way. Fig. 2 is a view of the said mop when the mop fabric is being twisted. Fig. 3 is a central longitudinal section through the base of the mop head and yoke.

The mop head A may be of any suitable construction adapted to hold the mop fabric; and its base is rigidly attached to the handle B. The wringing frame D, as shown, is substantially like the wringing frame shown and described in another application for a patent, Serial No. 475,686, filed May 27, 1893; and it is rigidly attached to a sleeve C which is adapted to rotate and to move longitudinally upon the handle B, as fully described in the other application named. A yoke E is loosely mounted concentric with the handle, and in the construction shown it is mounted on the sleeve C which forms the base of the mop head into which the handle is secured. The ends of the yoke arms have holes which loosely embrace the sides of the wringing frame; and thus the yoke and frame must rotate together, although the sides of the frame may slide freely through said holes. The hub of the yoke lies between an annular flange a on the base of the mop-head, and a

pin b which is secured to the handle, and thus it has no movement lengthwise of the handle. Gear teeth project from the face of the circular flange a which thereby becomes a crown wheel; and these teeth are engaged by the pinion F which is journaled on a pin e. The pin e is secured to and projects from the hub of the yoke. A crank G is fastened to the pinion F whereby it may be revolved.

When the wringing frame D is pushed down the handle until its end engages with the mop fabric, the operator, holding the device by the sleeve C, turns the crank G, thereby causing the handle and mop head to rotate with respect to the wringing frame. It will be found that the mop fabric may be twisted very tightly by the application of comparatively little force.

Having described my invention, what I claim is—

1. The combination of a handle, and a mop-head rigidly secured thereto, with a wringing-frame adapted to both rotate and move lengthwise upon said handle, a yoke mounted on and rotatable about said handle and having arms which loosely embrace the sides of the wringing frame, a gear rigid with the handle, a pinion pivoted to the yoke, and a crank for rotating said pinion, substantially as and for the purpose specified.

2. The combination of a handle, and a mop-head having a cylindrical base in which said handle is rigidly secured, with a sleeve C loosely mounted on the handle, a wringing frame D secured thereto, a yoke loosely mounted on the base of the mop-head and having arms which loosely embrace the sides of the wringing frame, a crown wheel a rigid with the said base, and a pinion F pivoted to the yoke, and a crank for rotating said pinion, substantially as and for the purpose specified.

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

HAMILTON F. LOW.

Witnesses:

E. L. THURSTON,
FRANCIS J. WING.