

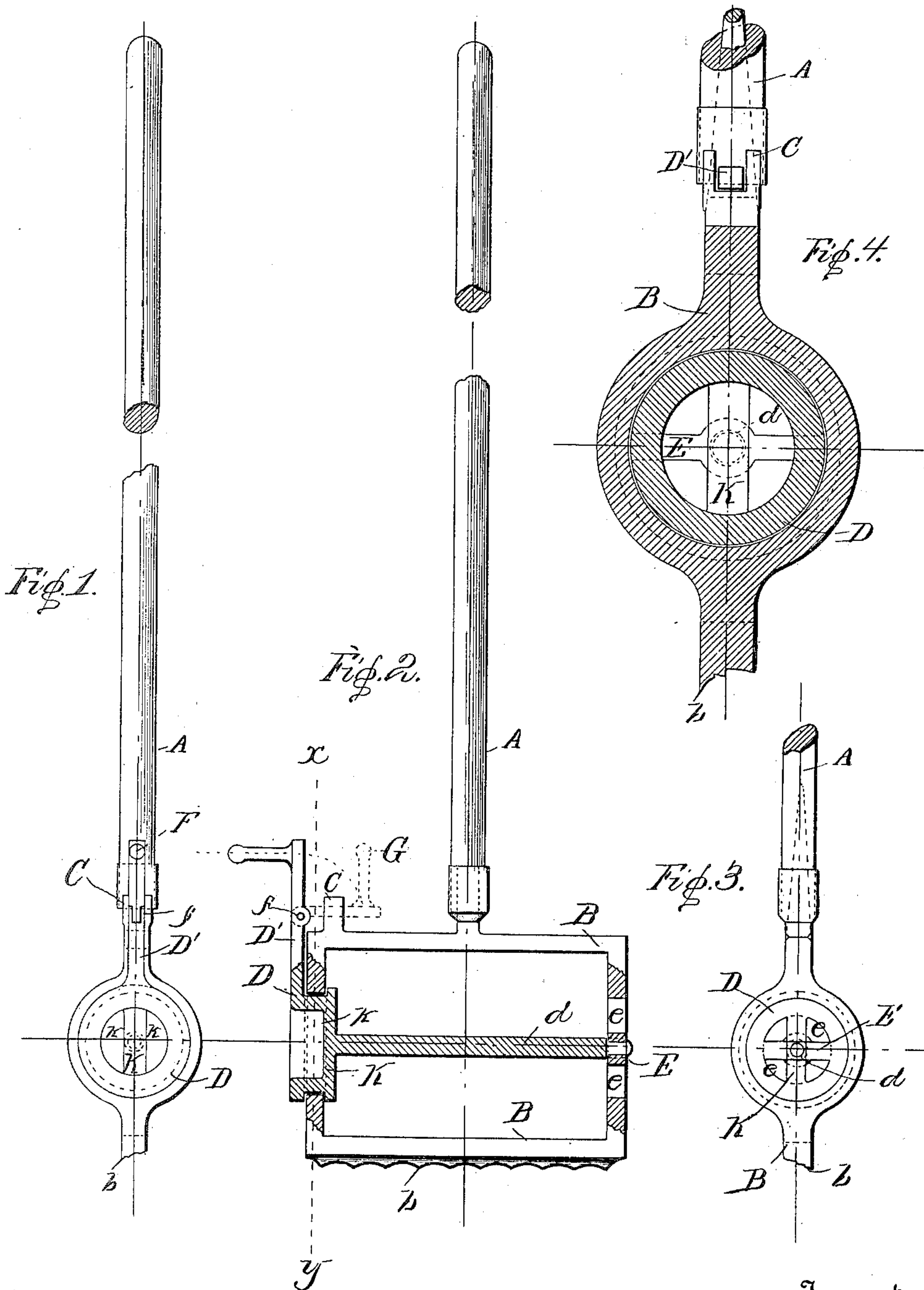
No. 667,985.

Patented Feb. 12, 1901.

A. S. MATHERS.  
FLOOR MOPPING IMPLEMENT.

(Application filed July 27, 1897.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

ALEXANDER S. MATHERS, OF BELT, MONTANA, ASSIGNOR OF ONE-HALF TO  
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## FLOOR-MOPPING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 667,985, dated February 12, 1901.

Application filed July 27, 1897. Serial No. 646,145. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER S. MATHERS, a citizen of the United States, residing at the town of Belt, Cascade county, Montana, have invented an Improved Floor-Mopping Implement, of which the following is a specification.

My invention relates to a floor-mopping implement with a handle to which is attached a framework having a roughened lower edge by means of which the mopping-cloth may be thoroughly gripped, and a grooved lug or latch by means of which the wringing device is locked in place when the mop is in use, and a cylindrical rod or shaft having a bearing in one arm and terminating at its other end in an arm which is attached solidly to a flanged wheel, together with a handle attached to a crank-arm by means of which the flanged wheel and shaft are caused to revolve within the frame. By means of apertures one end of an ordinary mopping-cloth is fastened around the immovable arm and the other end of the mopping-cloth is fastened around an arm in an enlarged flanged wheel, so that the slack of the mopping-cloth is held in place upon the surface of the floor to be cleansed by the roughened lower edge of the frame. By turning the handle attached to the crank-arm the shaft may be rotated or revolved upon its axis within the frame, thus taking up the slack of the mopping-cloth and tightly twisting the same around the shaft, thereby enabling the operator to wring the cloth without wetting the hands.

The objects of my invention are to improve the method of scrubbing floors and to enable such work to be done with ease and convenience, the mopping-cloth, which may be any ordinary cloth, being dried simply by turning a crank and cleansed and replaced for use again without wetting or soiling the hands. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is an outside end elevation; Fig. 2, a front elevation with portions of frame

broken away, showing section through the bearings of the wringing device. Fig. 3 is also an outside end elevation. Fig. 4 is a sectional elevation through the wheel of the wringing device upon the line  $x y$  as indicated upon Fig. 2.

Similar letters refer to similar parts throughout the several views, in which—

A indicates the stick or handle, to which is attached the frame B, having roughened lower edge  $b$ , (to more thoroughly grip the mopping-cloth,) and a grooved lug or latch C, by means of which the wringing device is locked in place when the mop is in use.

$d$  indicates a cylindrical rod or shaft having a bearing in the arm E and terminating at its other end in the arm K, which is attached solidly to the flanged wheel D. By means of the handle F, attached to the crank-arm D', the flanged wheel D and shaft  $d$  are caused to revolve within the frame B. By means of the apertures  $e e$  one end of an ordinary mopping-cloth is fastened around the fixed or immovable arm E in frame B, and by means of apertures  $k k$  the other end of the mop is fastened around the arm K in the flanged wheel D, the slack of the mop being held in place upon the surface to be cleansed during the mopping operation by the roughened lower edge of frame B, during which time the crank-arm D' by means of the hinge at  $f$  is bent back over the frame B into the groove or latch in lug C, as shown by dotted lines G. By turning the handle F, attached to the crank-arm D', the shaft  $d$  may be rotated or revolved upon its axis within the frame B, taking up the slack of the mop and tightly twisting the same around said shaft  $d$ , thereby thoroughly wringing the mop without wetting the hands.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

A floor-mopping implement comprising a rectangular frame having a roughened forward edge, a handle arranged opposite the roughened edge, a shaft having one end jour-

naled in the frame and the other end attached to a wheel, a wheel journaled in the frame and connected with the shaft, said wheel being adapted to receive the end of a mop, means  
5 for attaching the opposite end of the mop to the rectangular frame, a crank attached to the wheel comprising two pivotally-connected parts, and means to prevent rotation of the shaft.

ALEXANDER S. MATHERS.

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