

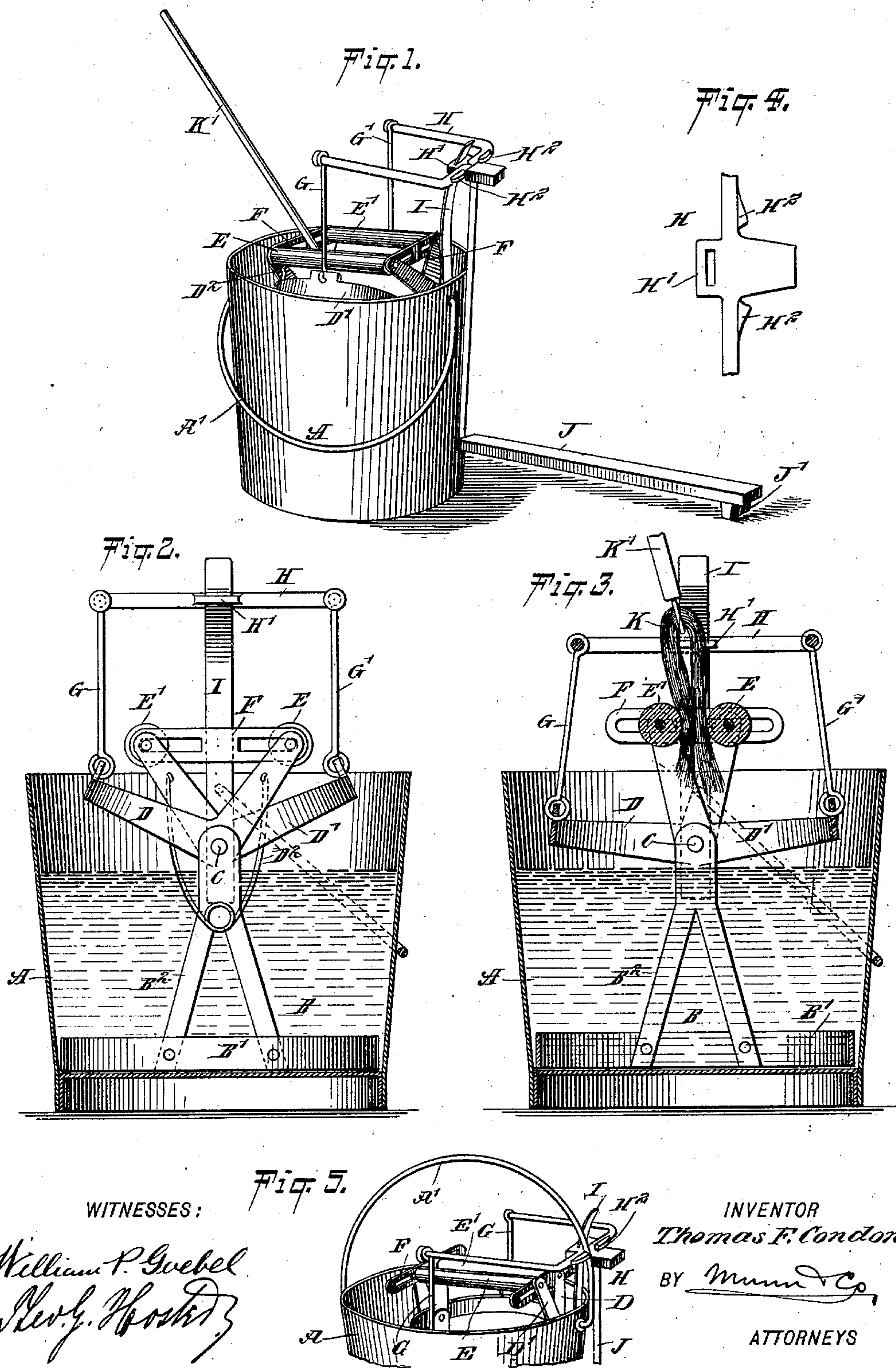
No. 671,815.

Patented Apr. 9, 1901.

T. F. CONDON.  
MOP WRINGER.

(Application filed July 31, 1900.)

(No Model.)





# UNITED STATES PATENT OFFICE.

THOMAS F. CONDON, OF DORSET, VERMONT.

## MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 671,815, dated April 9, 1901.

Application filed July 31, 1900. Serial No. 25,383. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS F. CONDON, a citizen of the United States, and a resident of Dorset, in the county of Bennington and State of Vermont, have invented a new and Improved Mop-Wringer, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved mop-wringer which is simple and durable in construction, very effective in operation, and arranged to permit the use of the wringer on any ordinary pail or other receptacle and to allow of squeezing the mop fabric to any desired degree.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement as applied. Fig. 2 is an enlarged end view of the improvement with the pail shown in section. Fig. 3 is a cross-section of the same with the squeezing-rollers in a closed position when squeezing the mop fabric. Fig. 4 is an enlarged plan view of part of the slide, and Fig. 5 is a perspective view of the pail and device locked together for carrying the device in the pail.

The improved mop-wringer is adapted to be set in a pail A or other receptacle and is for this purpose provided with a frame B, having a ring-shaped base B' and standards B<sup>2</sup>, carrying pivots C for double bell-crank levers D D', in the upright arms of which are journaled squeezing-rollers E E', respectively, normally held in an open position by a spring D<sup>2</sup>, pressing the upright arms of the bell-crank levers apart, as is plainly illustrated in the drawings.

The shafts of the rollers E E' move toward and from each other in slotted plates F upon imparting a closing and opening movement to the bell-crank levers.

The lower arms of the bell-crank levers D D' are pivotally connected by links G G' with a forked slide H, having an apertured lug H', mounted to move up and down a suitable guide

I, attached to one of the standards B<sup>2</sup> of the frame B. The slide H is rigidly connected with a pedal J, adapted to rest on the floor alongside the pail A, as is plainly illustrated in Fig. 1, so that the pedal can be readily pressed on by the operator to impart a downward sliding movement to the slide H and cause a downward swinging of the lower arms of the bell-crank levers D D' to swing the upright arms thereof toward each other and move the squeezing and pressing rollers E E' toward each other to squeeze the mop material or fabric K held on the usual stick K' and as will be readily understood by reference to Fig. 3. During the movement of the bell-crank levers the spring D<sup>2</sup> is compressed, and as soon as the operator releases the pressure on the pedal J then the spring D<sup>2</sup> imparts a return swinging movement to the bell-crank levers D D' to move the squeezing-rollers E E' apart, as shown in Figs. 1 and 2. When the rollers E E' are pressed apart, the mop material can be readily passed between the rollers down into the pail to soak the material, and then by the operator pulling the stick K' upward and simultaneously pressing the pedal J the rollers close and engage the mop material to squeeze out any surplus water. It is understood that the pedal J is provided at its outer end with a fulcrum projection J', adapted to rest on the floor, so that when the pedal J is pressed it swings on the projection J' as the fulcrum.

In order to prevent binding of the slide H on the guide I, the latter is preferably curved at its upper end to accommodate the swinging movement given to the slide by the pedal J.

In order to carry the device in the pail A without tipping the pail over owing to the overbalancing weight of the pedal J, the following device is provided: On the rear of the middle portion of the slide H (see Fig. 4) are formed inclined lugs H<sup>2</sup>, one of which is adapted to be engaged at the time by the bail A' of the pail A, as plainly shown in Fig. 5, to securely lock the mop-wringer in place in the pail. It will be seen that when the parts are thus locked together the bail is in alignment with the pedal, and hence the pail and the device can be conveniently carried from one place to another without the pail tipping over and spilling the water therein.



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

1. A mop-wringer, comprising a supporting-frame provided with an upwardly-projecting member, bell-crank levers pivoted to the frame, rollers mounted in the bell-crank levers, a slide vertically movable on an upwardly-projecting member of the frame, and  
10 extending inwardly above the rollers and a link connecting each of the bell-crank levers with the slide, substantially as described.

2. A mop-wringer, comprising a frame adapted to be inserted in a pail and provided  
15 with an upwardly-projecting member, double bell-crank levers pivoted to the frame, a roller mounted between the members of each bell-crank lever, a forked slide vertically movable on the vertical member of the frame, and a  
20 link connecting each of the bell-crank levers with the members of the slide, substantially as described.

3. A mop-wringer, comprising a supporting-frame provided with an upwardly-projecting member, spring-pressed double bell-crank levers pivoted on said frame, pressing  
25 and squeezing rollers journaled in said bell-crank levers, a slide extending over the rollers and having up-and-down movement on the projecting member of the said frame, and  
30 a link connecting said slide with each of the said bell-crank levers, as set forth.

4. The combination, with a pail having a bail, of a mop-wringer adapted to be set in the  
35 said pail and locked therein by the bail engaging a part of the said mop-wringer.

5. A mop-wringer, having a slide, and lugs on said slide adapted to be engaged by the  
40 bail of the pail for centering the mop-wringer, as set forth.

6. A mop-wringer, comprising a frame, provided with a vertical arm and adapted to be inserted in a pail, pivoted and spring-pressed double bell-crank levers carried by the frame, a roller mounted between the members of  
45 each bell-crank lever, a slide mounted on the arm of the frame, links connecting the slide with each bell-crank lever, and a treadle connected with the slide, substantially as described.

7. A mop-wringer, comprising a frame provided with a vertical arm and adapted to be inserted in a pail, pivoted and spring-pressed double bell-crank levers carried by the frame, a roller mounted between the members of  
55 each bell-crank lever, a slide mounted on the arm of the frame having parallel spaced members, a link connecting the slide with each bell-crank lever, and a treadle having a fulcrum-block at its outer end and rigidly connected  
60 at its inner end with the members of the slide, substantially as described.

8. A mop-wringer, comprising a frame provided with a vertical arm and adapted to be inserted in a pail, pivoted and spring-pressed  
65 double bell-crank levers carried by the frame, a roller mounted between the members of each bell-crank lever, a forked slide having an aperture to receive the arm of the frame, a link connecting each member of the slide  
70 with a bell-crank lever, and a treadle connected with the slide, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of  
75 two subscribing witnesses.

THOMAS F. CONDON.

Witnesses:

ALICE E. BENNETT,  
WILLIAM B. EDGERTON.