

(No Model.)

J. HARRIS.
MOP WRINGER.

No. 355,522.

Patented Jan. 4, 1887.

Fig. 1.

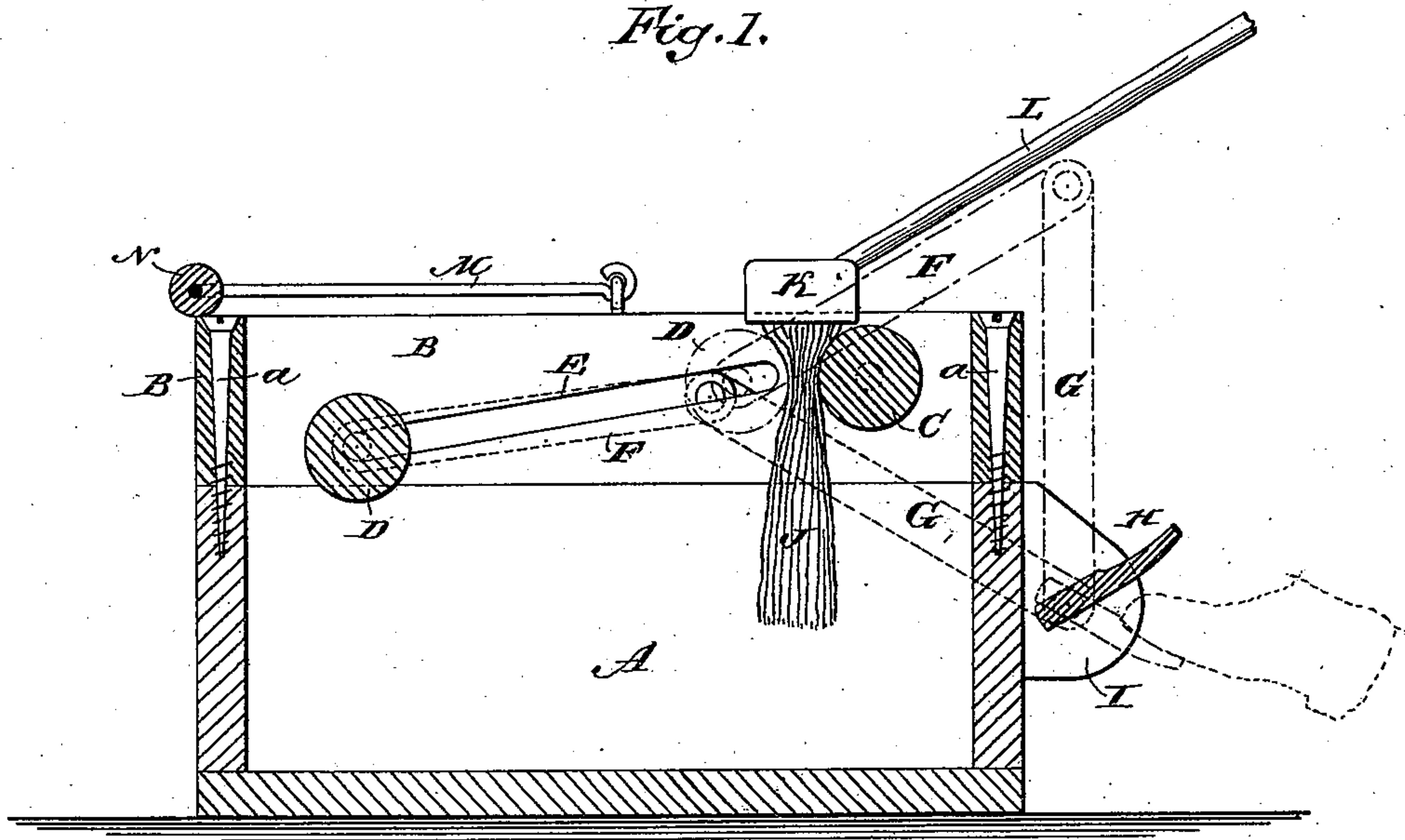
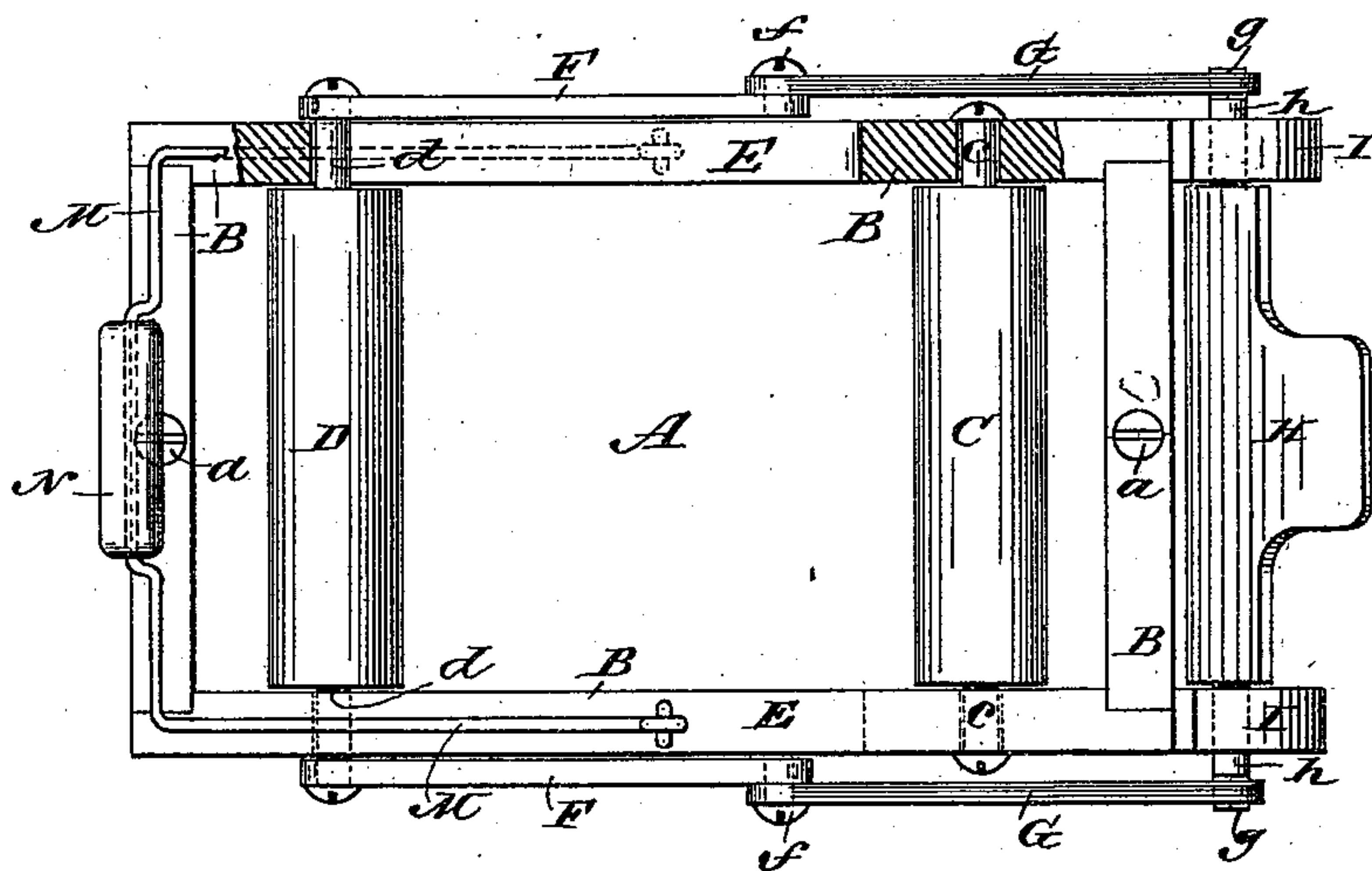


Fig. 2.



WITNESSES:

W. B. Beyer
W. Sedgwick

INVENTOR:

J. Harris
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN HARRIS, OF LANSINGBURG, NEW YORK.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 355,522, dated January 4, 1887.

Application filed March 11, 1886. Serial No. 194,846. (No model.)

To all whom it may concern:

Be it known that I, JOHN HARRIS, of Lansingburg, in the county of Rensselaer and State of New York, have invented a new and Improved Mop-Wringer, of which the following is a full, clear, and exact description.

My invention relates to a machine adapted for wringing mops used in house-cleaning, and has for its object to provide a simple, inexpensive, and effective device of this character, which may be operated quickly and easily without requiring the person handling it to stoop to an uncomfortable position.

The invention consists in certain novel features of construction and combinations of parts of the mop-wringer, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a vertical central longitudinal sectional elevation of my improved mop-wringer, illustrating its use, partly in dotted lines, and as hereinafter explained; and Fig. 2 is a plan view of the mop-wringer with one side of the roller-frame partly broken away and in section.

I prefer to make the main body of the mop-wringer in two parts—a lower part or vessel, A, to hold the water wrung from the mop, and an upper part, B, which I term the “roller-frame,” and which is held to the vessel A by screws *a a*, as shown.

In the opposite side bars of the frame B, near one end of it, there is journaled by its end gudgeons or pins *c c* the relatively stationary wringing-roller C, and the movable wringing-roller D is journaled by its end gudgeons or pins *d d* within slots E E, made in opposite sides of the frame B lengthwise of the frame, and preferably inclined downward toward the back end of the frame, so that the roller D will normally move outward to the ends of the slots E E by its own gravity.

To the opposite ends *d d* of roller D there is pivoted one end of rods or links F F, the other ends of which are pivoted at *f f* to one end of rods or arms G G, the other ends of which are fixed to the squared ends *g g* of the end gudgeons or pins, *h h*, of a treadle-bar, H,

which is journaled by its pins *h h* in brackets I I, fixed to the front end of the vessel A, and whereby when the treadle H is depressed the roller D will be moved forward in the guide-slots E E toward the roller C.

The operation is as follows: The wiping fabric J, fixed to the mop-head K, will be held by the handle L of the mop against the roller C, whereupon the treadle H will be depressed by the foot, as indicated in dotted lines in Fig. 1, which will swing the arms G G upward and draw the links F F forward to carry the roller D against the mop fabric J with any degree of force, governed by the pressure of the foot on the treadle, and while the mop fabric is so held between the rollers the mop-handle will be drawn forward to pull the fabric J out from between the rollers, which meanwhile will wring or squeeze the water from the fabric, and the entire operation may be performed well and quickly without requiring the person using the mop to stoop or bend forward, as will readily be understood. When the treadle H is released, the roller D will automatically move away from the roller C and carry the arms F G to the positions shown in full lines in the drawings.

An ordinary bail-handle, M, provided with a hand-grasp, N, is fixed to the roller-frame B, for convenience in carrying the mop-wringer and positioning it where required.

The vessel A and roller-frame B may be made as one vessel, and the mop-vessel may have any preferred size to hold the water used in mopping up the floor.

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

The combination, in a mop-wringer, of a water-holding vessel having side slots, E E, a roller, C, journaled across the vessel, a roller, D, journaled in slots E E, links F F, pivoted to roller D, arms G G, pivoted at their upper ends to the links F F, and a treadle, H, pivoted to the water-holding vessel and fixed to arms G G, substantially as and for the purposes herein set forth.

JOHN HARRIS.

Witnesses:

SAMUEL REID,
GEO. H. DAVENY.