

(No Model.)

D. LYNCH.

MOP WRINGER.

No. 337,274.

Patented Mar. 2, 1886.

Fig. 1.

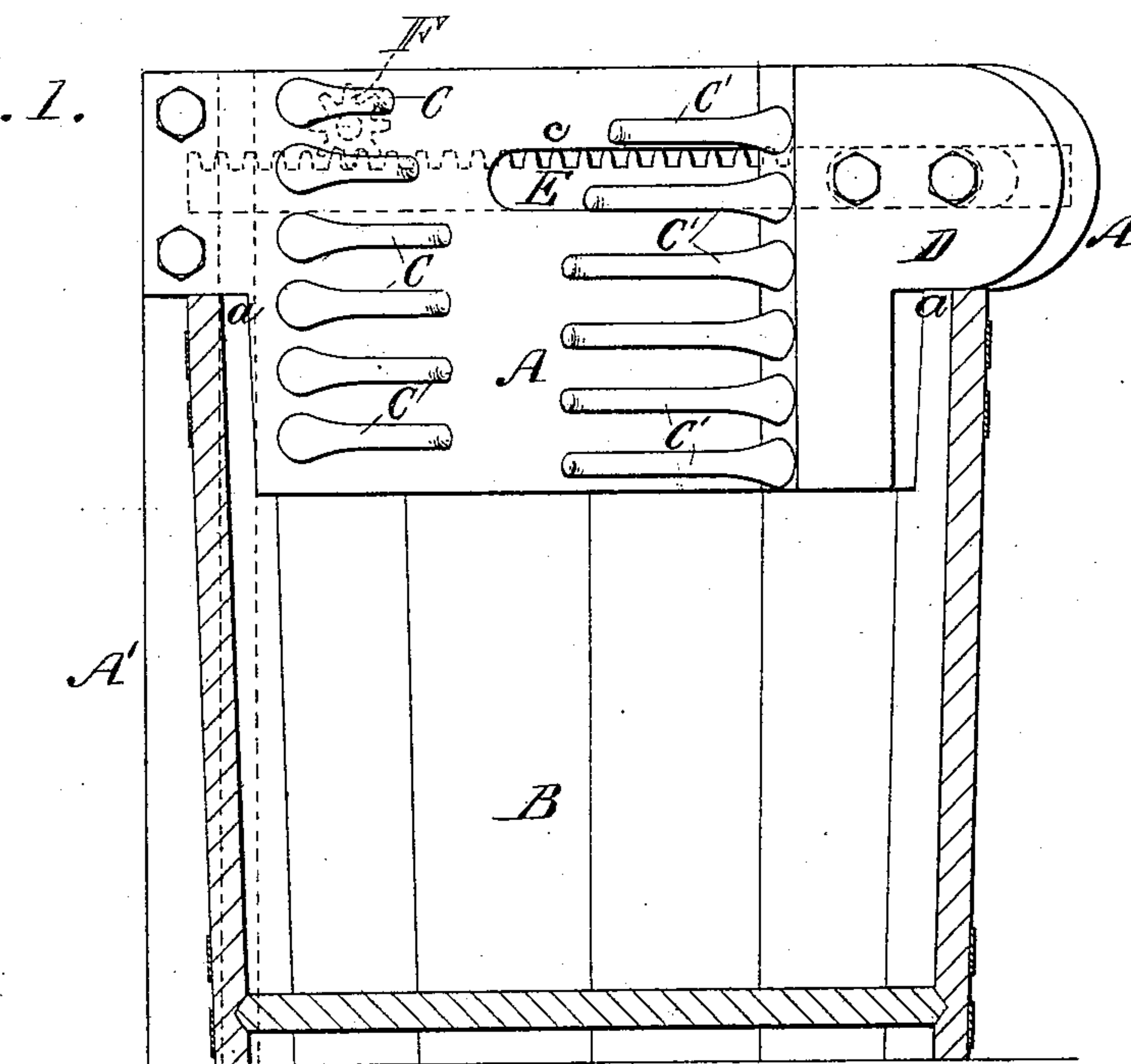
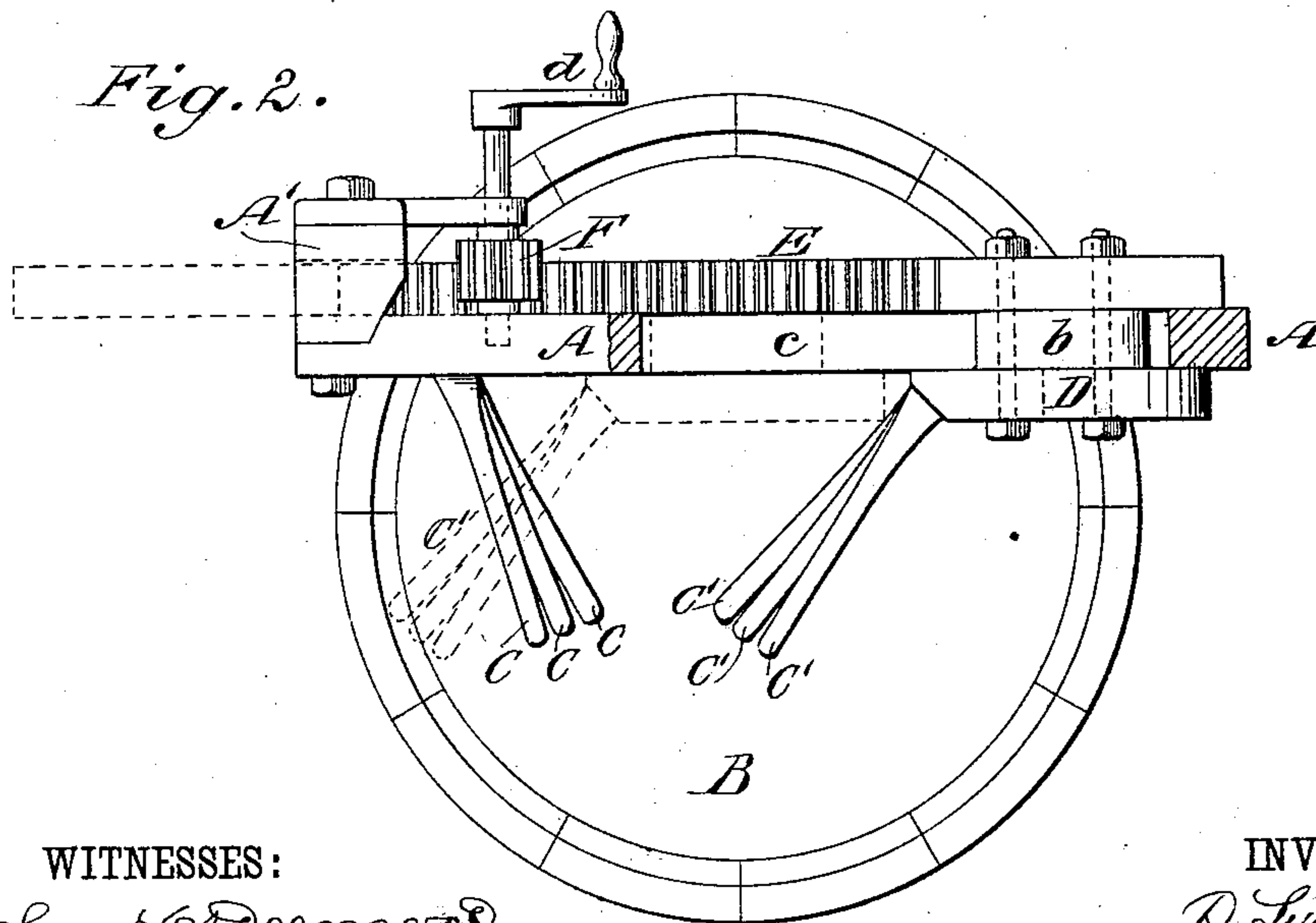


Fig. 2.



WITNESSES:

John K. Deemer  
C. Sedgwick

INVENTOR:

D. Lynch

BY

Munn & Co

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

DANIEL LYNCH, OF GLENS FALLS, NEW YORK.

## MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 337,274, dated March 2, 1886.

Application filed May 14, 1885. Serial No. 165,458. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL LYNCH, of Glens Falls, in the county of Warren and State of New York, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a full, clear, and exact description.

This invention consists in a mop-wringer which is mainly composed of a frame adapted to rest upon the top of and enter within a bucket or tub, and is provided with two sets or rows of fingers, the one of which is made capable of being worked toward and within the other to squeeze or wring the cloth of the mop as it is drawn through the two closed sets or rows of fingers, substantially as hereinafter described, and whereby not only both labor and time will be largely economized, but the mop will be most effectually wrung.

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

Figure 1 is a vertical section of a bucket with my improved mop-wringer applied, and with its fingers spread apart to receive the mop within it; and Fig. 2 is a top view of the same, showing also by dotted lines the fingers as closed to squeeze or wring the mop as its cloth is drawn through or between them.

A is a board or plate forming a portion of the main frame, and constructed with stepped ends *a a*, to admit of its entering edgewise within and resting upon the top of a bucket, B, also provided with a leg, *A'*, at its one end, arranged to rest upon the ground to steady it and assist in its support. These parts, as also other parts of the machine, may be made either of wood or metal, or of both. Secured to and projecting from the inner face of this plate or board A, near its one end, is a fixed set or row of fingers, C, arranged one above the other, down the face of the board, and inclining inward toward the interior of the bucket. Opposite these fingers C, and inclining toward them, on the same side of the board A, is another set of fingers, C', carried by a sliding face-piece, D, arranged to work on or over the board or plate A toward and from the stationary fingers C, and so that said fingers C' are free to enter in between the stationary fingers

C, as shown by dotted lines in Fig. 2. The upper fingers in each set or row C C' are arranged slightly flaring laterally, to give room for the thick part of the mop-cloth in between them.

The piece D, carrying the fingers C', is connected by a block, *b*, which is free to slide in and along a slot, *c*, in the board A, with a rack, E, by which, through a pinion, F, operated by a handle, *d*, on its spindle, that works in fixed bearings at one end or side of the frame, the fingers C' are opened or closed relatively to the fingers C, according to the direction in which the pinion is turned. Any other mechanism, however, for laterally moving the row of fingers C' in or out may be used, if desired. Thus they might be actuated by a cord and small windlass in the one direction and be reversed or worked in the opposite direction by a cord and treadle, or a crank-movement might take the place of the rack and pinion.

The main features of the invention are the two sets or rows of fingers moving toward and into or between one another to squeeze or wring the water out of the mop, and which the fingers will do very much more effectually than plain or solid surfaces moved toward each other to press upon the cloth can do.

In the operation, the apparatus being in position on the tub or bucket, as described, the piece carrying the fingers C' is moved back, as shown by full lines in Figs. 1 and 2, to introduce the mop in between them and the fingers C. The mop may then be manipulated to cleanse it in water contained within the main or lower portion of the tub, and afterward be drawn upward to bring its cloth between the two sets of fingers and its head portion between or, if necessary, more or less above the upper flaring fingers in each row. The pinion F is next turned to close the moving fingers C' toward and between the stationary fingers C, as shown by dotted lines in Fig. 2, and so to pinch or bear upon the mop-cloth. The fingers C' are then thus held closed while the mop or mop-cloth is drawn out in an upward direction from between the two sets of fingers, that, by their grasp and interrupted indenting surfaces which they present, will effectually express the remaining or most of the



remaining water from the mop-cloth, after which the fingers C' may again be worked back or open, and, if necessary, the operation of cleaning and wringing the mop be repeated, or the machine may be lifted from the tub and put away for future use, as required.

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

- 10 1. The combination of the plate or board A, having an outer supporting or steadying leg, A', and constructed to stand upon and to partly enter down within a tub or bucket, the stationary inwardly-inclining set or row of  
15 fingers C, the backwardly and forwardly moving row of oppositely-inclining fingers C', arranged to enter at their forward ends or por-

tions in between the stationary fingers, and mechanism, substantially as described, for opening and closing said movable row of fingers 20 relatively to the stationary row thereof, essentially as specified.

2. A mop-wringer having duplicate rows of horizontal fingers set inclining in relation with each other, as described, and the one of 25 which rows is movable toward and from and into and out of the other, the upper fingers of each row set flaring laterally, substantially as and for the purpose herein set forth.

DANIEL LYNCH.

Witnesses:

C. B. IDE,  
HOMER NELSON.