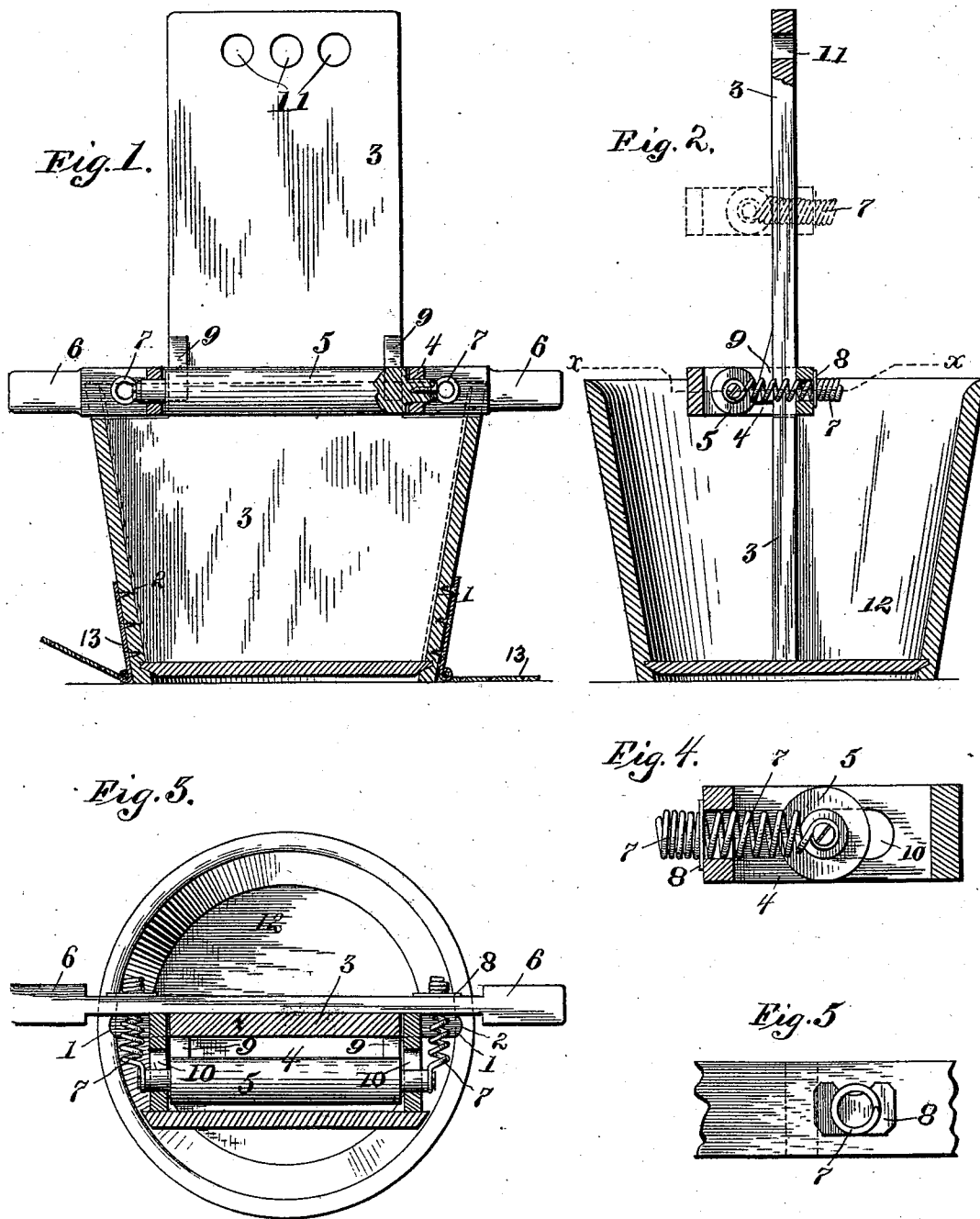


(No Model.)

A. H. RAMEY.
MOP WRINGER AND PAIL.

No. 517,065.

Patented Mar. 27, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

ALFRED H. RAMEY, OF AURORA, ILLINOIS.

MOP-WRINGER AND PAIL.

SPECIFICATION forming part of Letters Patent No. 517,065, dated March 27, 1894.

Application filed January 13, 1894. Serial No. 496,722. (No model.)

To all whom it may concern:

Be it known that I, ALFRED H. RAMEY, of Aurora, in the county of Kane and State of Illinois, have invented certain new and useful
5 Improvements in Mop-Wringers and Pails; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the
10 same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

My invention consists of certain novel devices constituting a mop-wringer, and adapted to be applied to a common water pail, and thereby to make a simple, cheap and yet a very efficient wringer for household and other purposes.

20 Figure 1 illustrates a front view of my improved apparatus applied to a pail, the latter and a part of the roller of same being in vertical section. Fig. 2 is an end view of the wringer; Fig. 3, a plan view of the wringer
25 and pail; and Figs. 4 and 5 details enlarged.

On the inside of a common water pail, bucket or similar vessel I make at its opposite sides vertical grooves, 1, adapted to receive snugly the edges, 2, of a board, 3, on which
30 the movable frame, 4, of the squeezing roll, 5, is supported, and which frame is provided with projecting handles, 6 6, by which it may be slid up and down upon the partition board, 3, in order to wring a mop or kindred
35 article. This roller frame is provided with coiled springs 7, which at one end are severally connected to the ends of the roller shaft, their other ends passing through holes in the back of the roller frame, and being there adjustably held by means of a piece, 8, of scrap
40 tin, which is inserted between any two adjacent coils of the spring so as to give any desired tension to the springs and consequent desired pressure on the roll. Inclined planes,
45 9 9, on the partition board, 3, serve when the roll is pulled down to the position shown in Figs. 1 and 2, to guide it outward or away from the partition against the force of the springs, and thus place it in position to receive the mop to be squeezed. Slots 10, 10,
50

in the sides of frame 4 allow the movement of the roller toward and away from the board, 3. The elevated position of frame 4, shown in dotted lines in Fig. 2, shows how the springs 7, 7, pull the roll toward board 3, after the roller has been lifted above the inclines 9, 9.
55 The central or partition board 3, may, if needed, be fastened by a nail or pin to the pail; and it has a few holes 11, 11, at its top, through which one's fingers may pass to carry
60 the whole from place to place, the board 3, thus serving as a carrier handle.

To use the device, the part 12, of the pail is filled with clean water. The mop is dipped into this water, and after being used to mop
65 a floor, &c., the mop is wrung out as follows: The mop itself is laid over the top of board 3, where it hangs down on the roller side of the board, the end of the long handle of the mop resting on the floor at the other side of
70 this board. The roller being then in its lowest position, is separated by the inclines from the board, thus leaving an open space to receive the lower end of the mop needing to be wrung. The operator now takes hold of the
75 handles, 6, 6, and raises the roller frame, 4, to nearly the top of the board, 3, and then presses it down again into its original position, thus causing the roller to pass twice over the mop, wringing it thoroughly and leaving
80 all the dirty water in that side of the pail which is opposite the one containing clean water. It will be observed that the squeezing action is automatic, and by mere force of the springs; the operator simply giving the
85 up-and-down or traverse movement to the roller. The simplicity and cheapness of the invention are self-evident. No metal is needed except two small coil springs, two small wood screws, and two bits of scrap tin. And
90 excepting the common pail, all the wood-work may be made of scrap wood.

If desired, an ordinary strap-hinge 13, may be fastened by one of its leaves, on each opposite side of the pail, or at one side only, its
95 other leaf being left free, so that when the roller is moved up and down, the foot of the operator may, by being placed on the free leaf then lying flat on the floor, serve to hold the pail firmly in position.

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

1. In combination, the vertically movable
5 frame carrying a squeezing roller, springs serving adjustably to vary its pressure at will, a vertical board on which such frame may be raised and lowered, and inclines thereon serving to separate the roll from the board.
- 10 2. In combination with a pail or bucket, a partition board, 3, serving to divide the ves-

sel into two compartments, and extending above the vessel, combined with a mop wringing roller mounted on a frame adapted to be raised and lowered on such board and to grip 15 and cleanse a mop, all substantially as set forth.

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