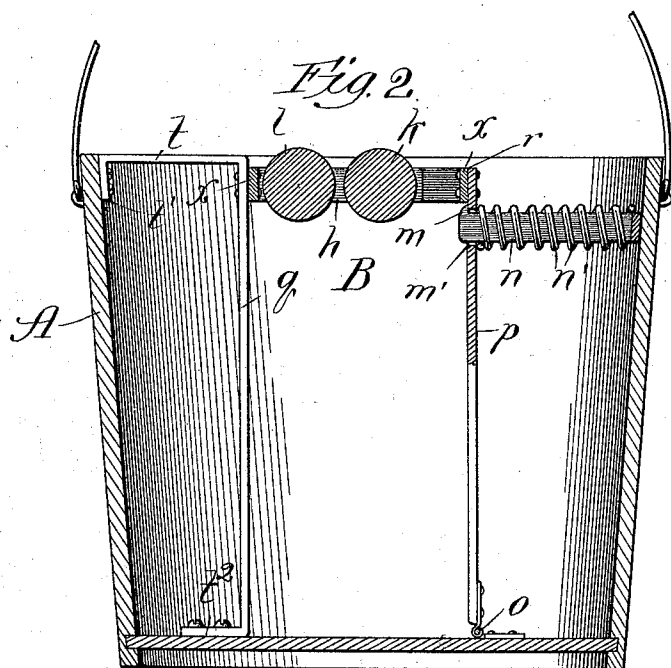
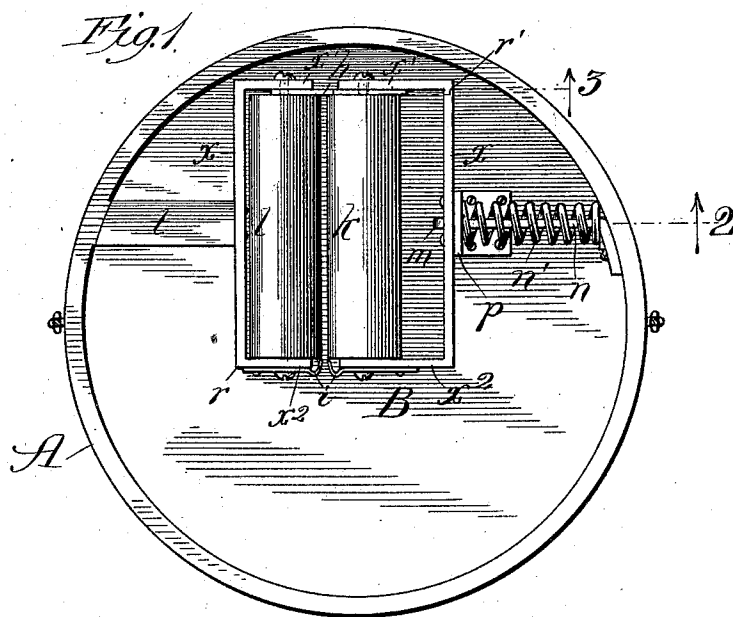


(No Model.)

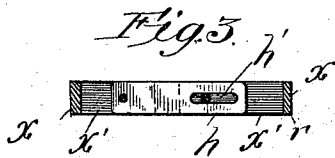
W. H. BENNETT.
MOP WRINGER.

No. 519,146.

Patented May 1, 1894.



Witnesses:
Chas. E. Gaylord,
Leite S. Alter.



Inventor:
William H. Bennett.
By Dyrenforth and Dyrenforth,
Attys.

UNITED STATES PATENT OFFICE.

WILLIAM H. BENNETT, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
JAMES O'GORMAN, OF SAME PLACE.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 519,146, dated May 1, 1894.

Application filed February 26, 1894. Serial No. 501,544. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BENNETT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Mop-Wringers, of which the following is a specification.

My invention relates to an improvement in the class of combined mop-wringers and pails, wherein two relatively yielding wringer-rollers are supported on a frame fastened inside the pail in convenient position to permit the mop to be introduced between the rollers from one end thereof, and drawn through them to be wrung by their pressure against the mop.

The object of my invention is to provide a novel construction of the roller-frame, whereby it shall be materially simplified and its manufacture cheapened by enabling every part, except the spring, to be formed of flat metal (iron).

In the accompanying drawings, Figure 1 is a view presenting the open end of a pail containing a mop-wringer of my improved construction. Fig. 2 is a section taken at the line 2 on Fig. 1 and viewed in the direction of the arrow; and Fig. 3 is a section taken at the line 3 on Fig. 1 and viewed in the direction of the arrow.

A is a pail, and B is the roller-frame of the wringer fastened therein. The frame B comprises two rectangular brackets r and r' , each of which may be readily formed of a strip of flat metal bent to afford the back x and the arms x' , x'' ; and arms q and p , to the upper parts of which the brackets are rigidly fastened about midway between the ends of their backs x . The arm q has at its upper end the horizontal section t and the downward bend t' , where it bears against and is fastened to the inner side of the pail, and the lower end of the arm q is bent to form a foot t^2 , through which it is fastened to the bottom of the pail. The arm p is fastened to the bottom of the pail by a hinge o , and is connected, near its upper end, by an iron bar n , shown as a flat piece, with the adjacent inner side of the pail, to which one end of the bar is rigidly fastened, the opposite end, which passes through a slot m' in the arm, having a head m formed upon it and shown as a stop-shoulder, to hold the

bar in the normally upright position toward which it is caused to tend by the spring n' confined against it and surrounding the bar n . Rollers l and k are journaled in the arms x' and x'' of the respective brackets r and r' , the roller k being held permanently out of contact with its companion-roller by the stop m , whereby a narrow space is afforded between the rollers into which to insert the mop. On each bracket-arm x'' is fastened a metal strap i extending at one end somewhat obliquely toward the adjacent end of the periphery of a roller, whereby the strap-ends flank the space between the rollers and form a guide thereto. At the opposite ends of the rollers the space between them is bridged by a plate h through which a journal-pin of the stationary roller l passes, the plate having, near its opposite end, an elongated slot h' to straddle the corresponding journal-pin of the yieldingly supported roller k .

To wring a mop with my improved device, it is inserted between the rollers from the end provided with the guide i and is stopped in inserting it, against movement beyond the opposite end of the rollers, by the plate h . The thickness of the mop being greater than the width of the space between the rollers, the yielding roller k is swung back on the hinge o against the resistance of the spring n' , the force of which thus compresses the roller it controls against the mop and, with the co-operation of the roller l , wrings the mop in drawing it upward between the rollers.

What I claim as new, and desire to secure by Letters Patent, is—

1. A mop-wringer comprising, in combination, brackets having the co-operating rollers journaled in them, upright arms to which the brackets are fastened, one bracket-supporting arm being adapted for rigid fastening in a pail and the other arm having a hinge at its lower end for connection with the pail, and a bar to extend from one side of the pail and loosely engaging with the hinge-arm and having a spring confined upon it against said arm, substantially as and for the purpose set forth.

2. A mop-wringer comprising, in combination, brackets having the co-operating rollers journaled in them and provided at one end of the rollers with a mop-guide and at the op-

posite end thereof with a slotted connecting strap, upright arms to which the brackets are fastened, one bracket-supporting arm being adapted for rigid fastening in a pail and the
5 other arm having a hinge at its lower end for connection with the pail, and a bar to extend from one side of the pail and loosely engaging with the hinge-arm and having a spring confined upon it against said arm, substantially
10 as and for the purpose set forth.

3. In combination with a pail, a mop-wringer comprising an arm *q* rigidly fastened in the pail and carrying at its upper end a bracket
15 *r* having journaled in it a roller *l*, an arm *p* hinged at its lower end inside the pail and

carrying at its upper end a bracket *r'* having journaled in it a roller *k*, a bar *n* fastened at one end to a side of the pail and passing at its opposite end, provided with a stop *m*, through a slot *m'* in said arm, a spring *n'* confined on
20 the bar against the hinged arm, a slotted strap *h* connecting the brackets at one end of the rollers, and a guide *i* on the brackets at the opposite end of the rollers, substantially as and for the purpose set forth.

WILLIAM H. BENNETT.

In presence of--

M. J. FROST,

W. N. WILLIAMS.