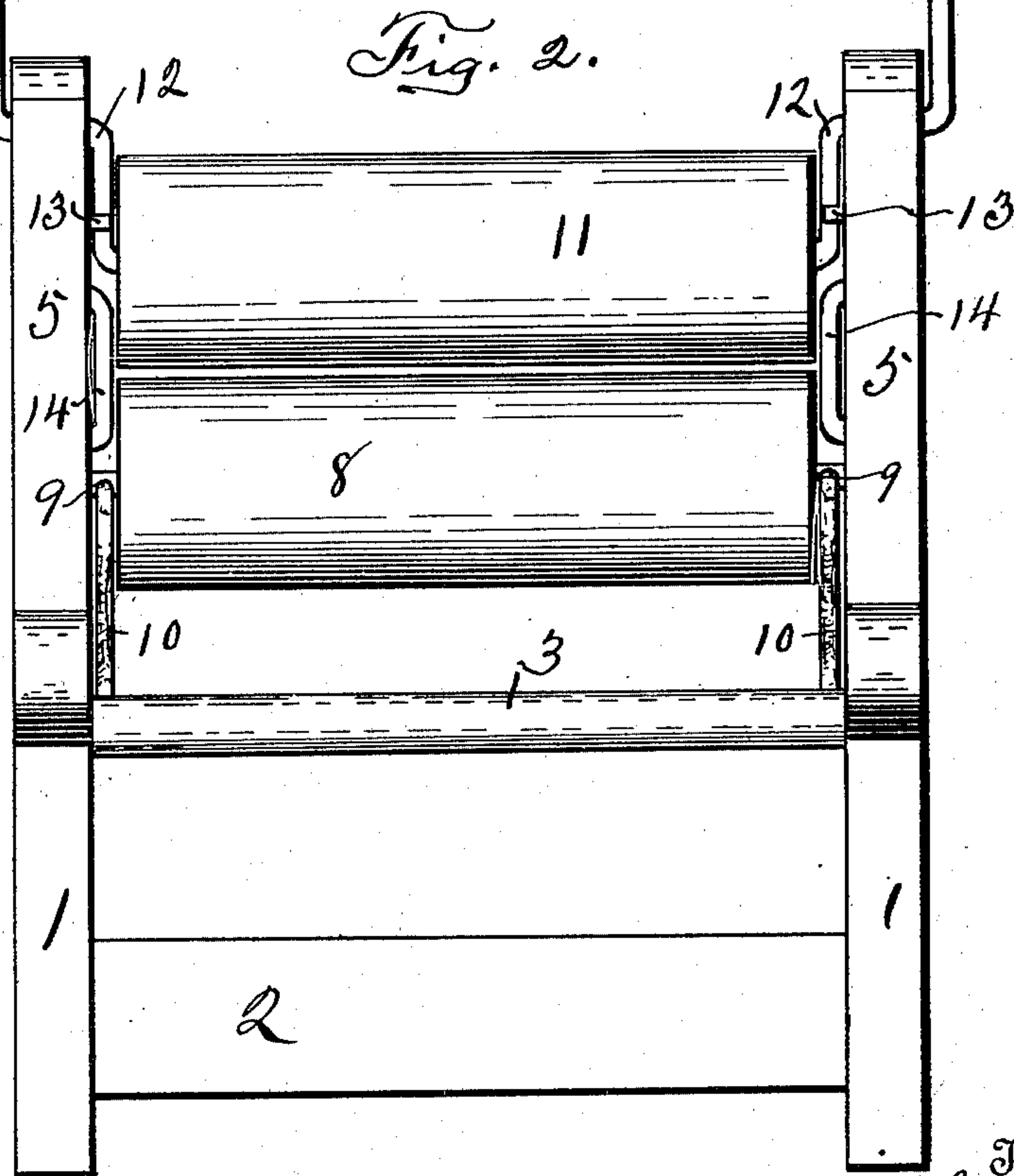
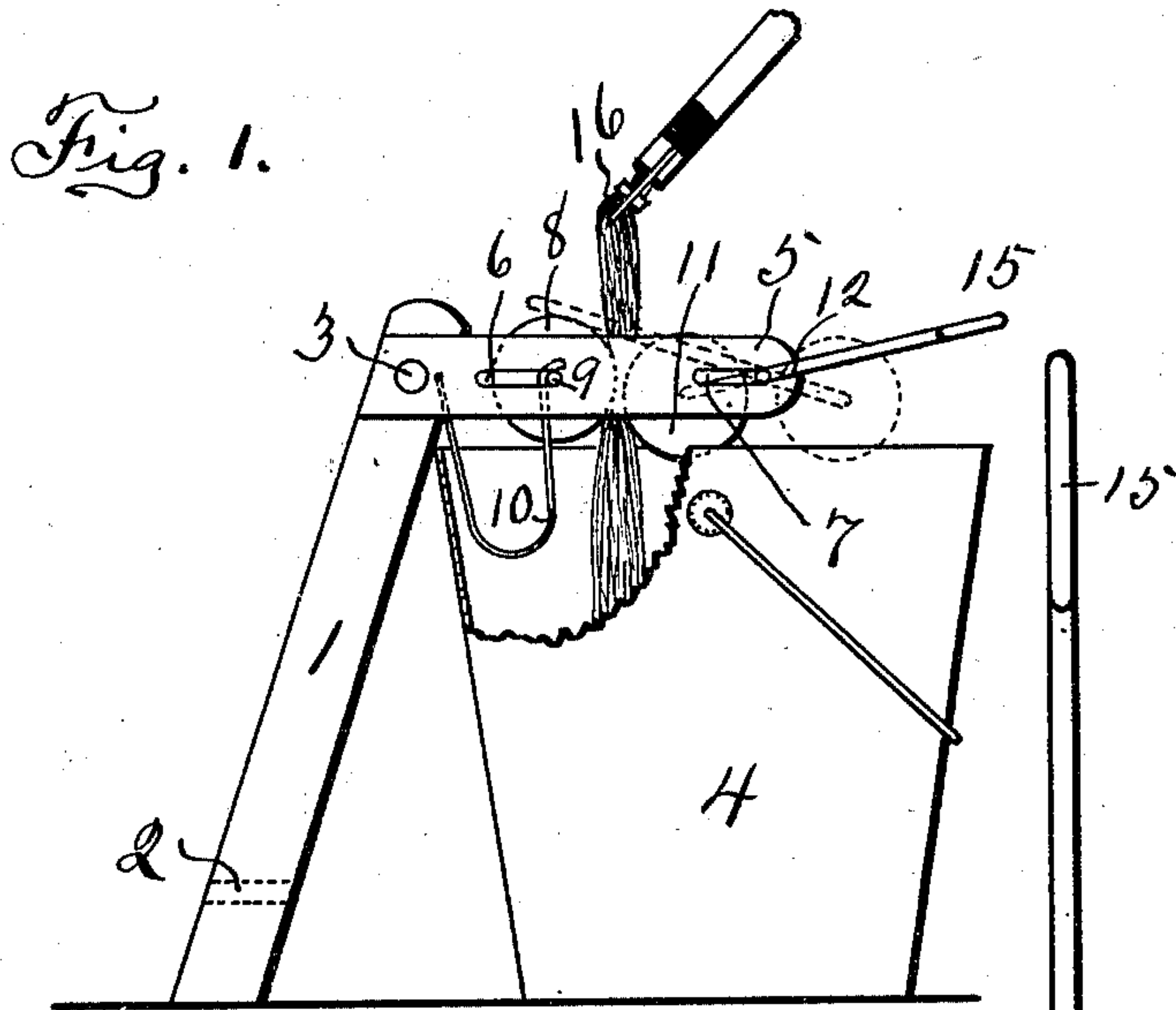


R. E. & H. THIBAUT.

MOP WRINGER.

(Application filed May 28, 1901.)

(No Model.)



Witnesses
L. B. Hodge.
M. Haynes

Inventors
Ralph E. Thibault and
Henry Thibault
By Joshua B. Webster
Attorney

UNITED STATES PATENT OFFICE.

RALPH E. THIBAUT AND HENRY THIBAUT, OF STOCKTON, CALIFORNIA.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 685,882, dated November 5, 1901.

Application filed May 28, 1901. Serial No. 62,195. (No model.)

To all whom it may concern:

Be it known that we, RALPH E. THIBAUT and HENRY THIBAUT, citizens of the United States, residing at Stockton, in the county of San Joaquin and State of California, have invented certain new and useful Improvements in Mop-Wringers; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Our invention relates to an improved mop-wringer, such as is used in conjunction with a bucket; and our object is to furnish a mop-wringer with which a mop may have the water effectively expressed therefrom at a single operation automatically and with expedition.

Simplicity and cheapness are other objects in the construction of our mop-wringer.

These objects are accomplished by the peculiar construction, novel combination, and adaptation of parts hereinafter described, and particularly pointed out in the claims hereunto annexed, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of our improved mop-wringer, showing the same in position on a bucket. Fig. 2 is a top view of the same.

Similar figures of reference indicate corresponding parts in both views.

We employ a frame composed of two vertically-inclined bars or posts 1, which lean against a bucket or other like receptacle 4 and which are secured together by a cross-bar 2, arranged near the bottom end thereof, and a rung 3, which is arranged near the top. Two arms 5 extend horizontally from the rung 3 and posts 1, to which they are rigidly attached over the bucket 4. Each arm 5 is provided with two slots 6 and 7, as shown in Fig. 1, for the purpose presently described. In the slots 6 a roller 8 is pivoted or journaled between the said arms 5 by means of a stem 9, inserted in the center of either end thereof. The U-shaped springs 10, one at each end of the roller 8 and inside the arms 5, are pivotally attached at one end in the side of the arm

5, and with the bow extending downwardly the free end is curved slightly outward, so as to engage with the stems 9 of the roller 8, thereby pressing the same outwardly to the end of the slot 6. A roller 11, similar in form to the roller 8, is journaled or pivoted on a wire or rod 12 of the form more particularly shown in Fig. 2, so as to swing the said roller 11, as hereinafter set forth. The slot 7 is for the purpose of the introduction of said wire or rod 12 after the same is bent, as shown. As the roller 11 is swung toward the roller 8 the same is stopped by a pin 13, rigidly inserted on the inside of each of the arms 5. Two guides 14, one on the inside of either of the arms 5 and in line with the joining or touching faces of the rollers, are for the purpose of pressing the mop between the rollers in operation. Either end 15 of the wire 12 is extended beyond the pivot or slot 7, where-with said roller may be manipulated.

The mode of operating our improved mop-wringer is as follows: The frame is leaned against the bucket 4, with its lower end resting on the floor. The roller 11 is thrown rearwardly by means of one of the wires 12, as shown in dotted lines, Fig. 1. The mop 16 is then dropped between the rollers 8 and 11 into the bucket 4, which may be filled part full of water. The end 15 of one wire 12 is grasped by the operator and thrown rearwardly, which throws the roller 11 toward the roller 8 and against the mop 16. The foot of the operator is placed on the step or bar 2, and the mop 16 is drawn upwardly between the rollers 8 and 11, which express a portion of the moisture therefrom. The roller 11 by reason of the upward pressure of the mop is drawn and maintained in a raised position against the pins, which engage with the wires 12 and prevent said roller 11 from being drawn entirely over its pivot in the slot 7. The springs 10 are adapted to maintain a pressure against the roller 8, so as to squeeze the mop and at the same time provide for different thicknesses of the mop. As will be seen, the guides 14 are adapted to keep the mop between the rollers and prevent the same from becoming entangled over the ends thereof.

The *modus operandi* is repeated each time the mop is wrung.

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

1. In a mop-wringer the combination, of an
5 inverted-L-shaped frame, and having posts 1
the foot-rest 2 securing the same together
and slotted arms 5 connected to the posts, the
roller 8 journaled in the slotted arms 5, the
springs 10 secured to the frame and arranged
10 to engage with the journals of said roller 8,
the wires 12 journaled in the frame-arms 5,
the roller 11 mounted on said wires 12, the
pins 13 secured to the arms 5 and adapted to
engage the wires 12 and the guides 14 at-
15 tached to the sides of the arms 5, all arranged
and operating substantially as shown and de-
scribed and for the purposes specified.

2. In a mop-wringer the combination with

a suitable frame of the roller 8 journaled in
said frame, the springs 10 with one of their 20
ends attached to the said frame and their
other ends arranged to engage with each end
of the said roller 8, the wires 12 journaled in
the frame, the roller 11 mounted on the wires
12, and the pins 13 connected to the frame and 25
arranged to engage the wires 12, all arranged
and operating substantially as shown and de-
scribed, and for the purposes specified.

In testimony whereof we affix our signa-
tures in presence of two witnesses.

RALPH E. THIBAULT.
HENRY THIBAULT.

Witnesses:

M. HAYNES,
JOSHUA B. WEBSTER.