

No. 644,924.

Patented Mar. 6, 1900.

G. A. KAHL.
MOP WRINGER.

(Application filed Apr. 17, 1899.)

(No Model.)

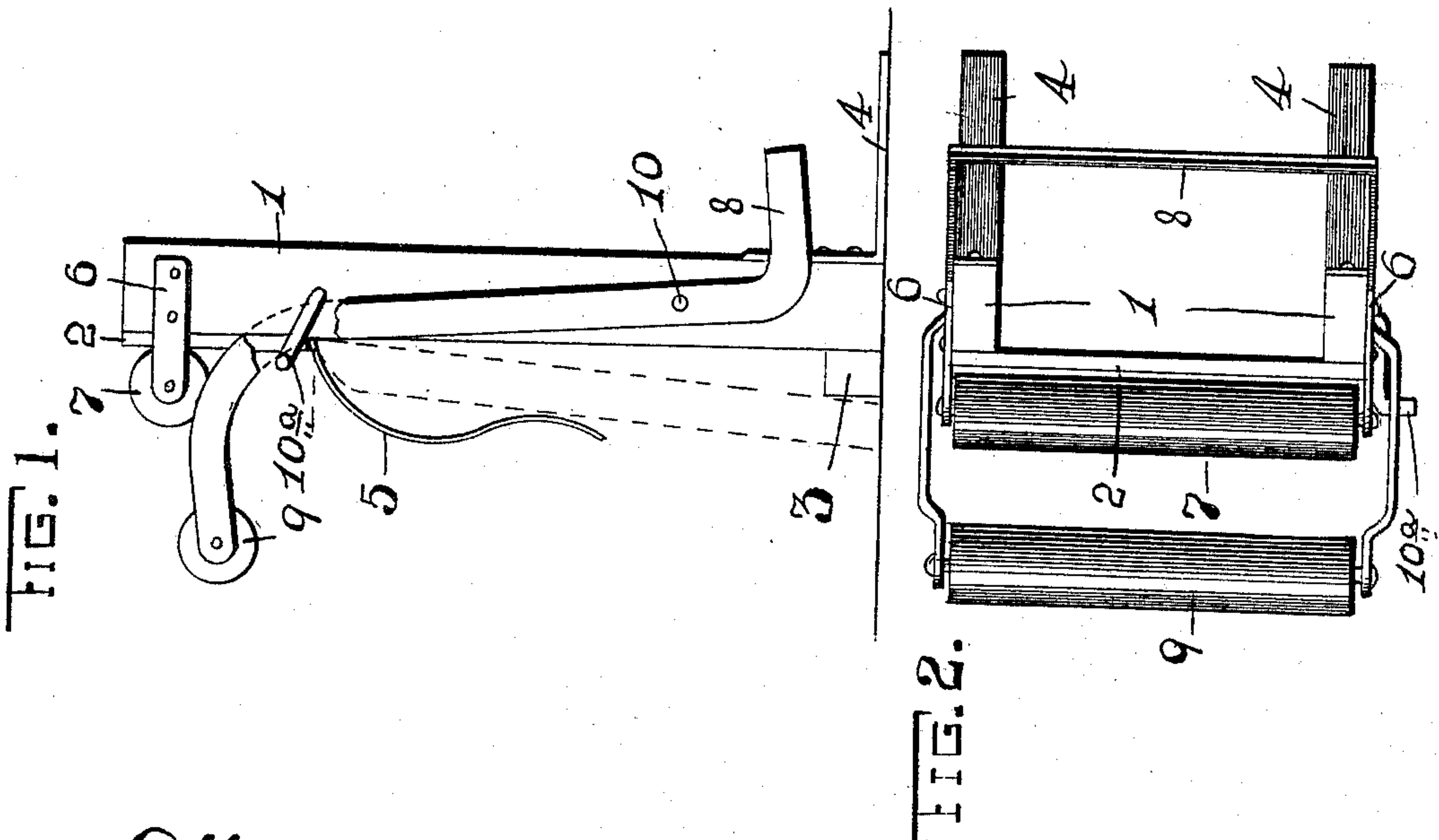
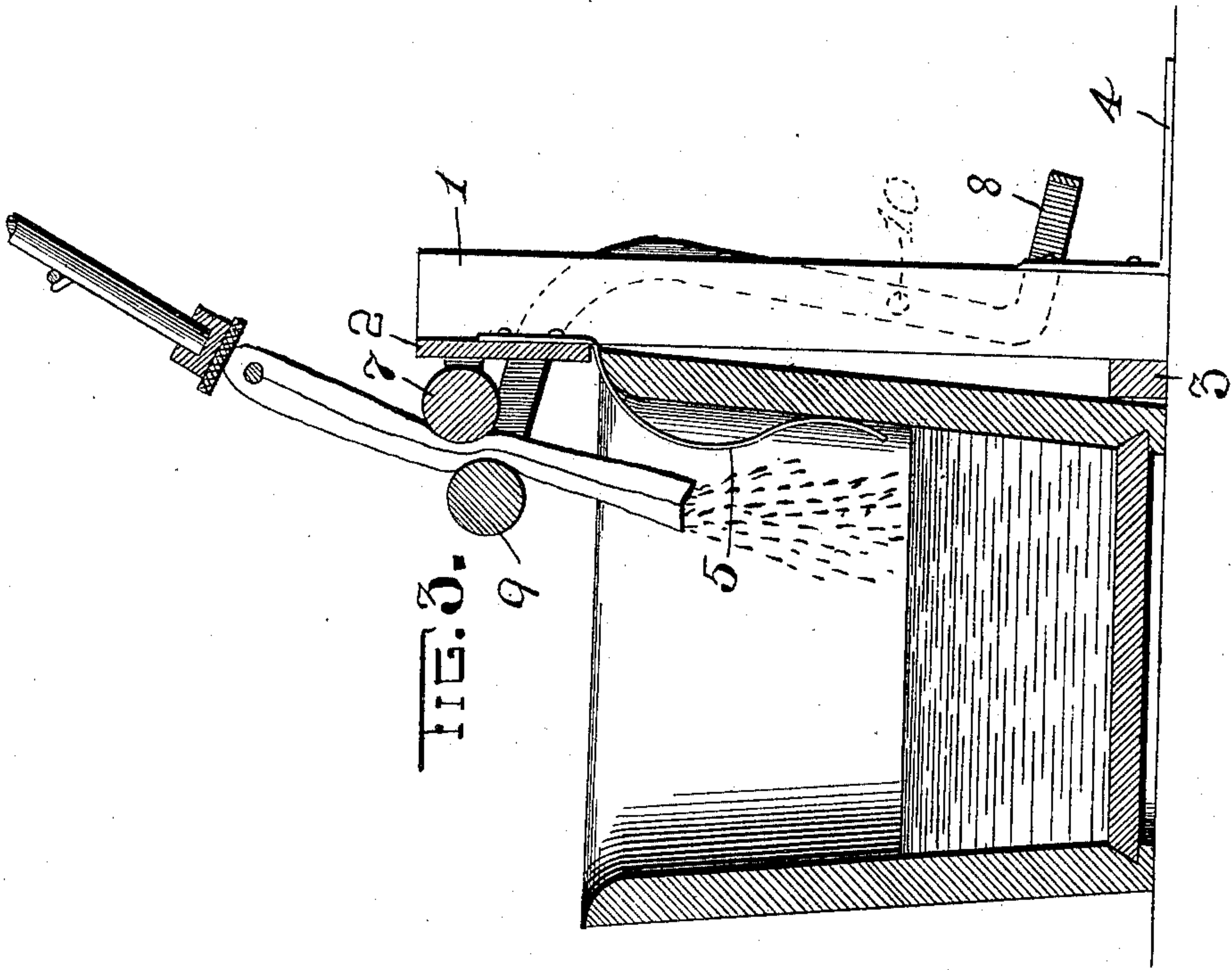


FIG. 2.

Attest
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UNITED STATES PATENT OFFICE.

GUSTAVE ADOLPH KAHL, OF SORENTO, ILLINOIS.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 644,924, dated March 6, 1900.

Application filed April 17, 1899. Serial No. 713,393. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVE ADOLPH KAHL, of the city of Sorento, Bond county, State of Illinois, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to mop-wringers; and it consists of the novel construction, combination, and arrangement of parts hereinafter described and claimed.

Figure 1 is a side elevation of my improved mop-wringer. Fig. 2 is a plan view thereof. Fig. 3 is a sectional view of the pail, showing the mop-wringer in position thereon and also showing a mop being wrung thereby.

In the construction of the device, as shown, a pair of standards 1 are framed together at their upper ends by a cross-bar 2 and at their lower ends by a cross-bar 3, and fixed to and projecting outwardly from the front edges of the lower ends of said standards are the L-shaped feet or braces 4. Secured to the inside of the center of the cross-bar 2 and projecting downwardly therefrom is a compound curved spring 5. Fixed to and extending rearwardly from the outside of the upper ends of the standards 1 are the brackets 6, between the projecting ends of which is journaled a roller 7.

8 indicates a swinging frame which comprises a single bar extending transversely above the feet or braces 4, and from thence the ends of said bar are bent rearwardly, thence upwardly along the outside of the standards 1, and the extreme upper ends of said bar are curved rearwardly, and between said rearwardly-curved ends is journaled a roller 9, identical in size with the roller 7. Pins or bolts 10 pass through the portions of this frame, that extend upwardly along the standards 1, said pins or bolts extending into the standards. A hook 10^a is seated in one of the standards 1, the same restricting the rearward movement of the frame 8.

My improved mop-wringer is positioned upon the mop-pail by engaging the spring-hook 5 over the edge of the pail and allowing the lower ends of the standards 1, cross-bar 3, and the feet 4 to rest directly upon the floor,

and when in this position the pair of rollers 7 and 9 are brought directly over the pail. When thus positioned, the rollers 7 and 9 are separated a distance from each other, for the reason that the upper ends of the frame 8 swing rearwardly over the mop-pail, and when it is desired to wring the mop the cloth is passed downwardly between the rollers 7 and 9, and after said cloth has been thoroughly rinsed in the water within the pail the operator places a foot upon the lower portion of the frame 8 and presses downwardly thereon, and this movement brings the roller 9 upwardly against the roller 7, and as the pressure of the foot is retained upon said frame 8 and the mop is drawn upwardly the cloth will be wrung between the rollers 7 and 9 and the water therefrom will pass downwardly into the mop-pail.

The feet 4 prevent the pail and wringing device from being overturned when great pressure is applied to the frame 8 by the foot, and the spring 5 retains the wringer in position upon the pail.

A mop-wringer of my improved construction is simple, strong, and durable, may be applied to any pail, and is very efficient in use.

I do not herein claim the mop, as I have made it the subject-matter of a separate application filed September 11, 1899, Serial No. 730,108.

I claim—

1. A mop-wringer, constructed with a pair of standards framed together at their top and bottom ends, a spring secured to the cross-bar at the upper ends of said standards for engaging over the edge of the bucket, L-shaped feet fixed to and extending laterally from the lower ends of the standards, brackets projecting rearwardly from the upper ends of the standards, a roller journaled between said brackets, a frame pivoted to the outside of the standards, and a roller carried between the ends of said frame, which roller is adapted to engage against the first-mentioned roller, substantially as specified.

2. In a mop-wringer, a pair of standards, cross-bars framing the ends of said standards together, a spring extending downwardly from the upper one of the cross-bars, L-shaped feet extending outwardly from the lower ends of

said cross-bars, a pair of brackets extending rearwardly from the upper ends of the standards, a roller journaled between said brackets, a frame composed of a single bar, the same
5 being fulcrumed to the outside of the standards, the lower portion of which frame passes transversely across the front of the lower ends of the standards, a hook secured to one of the standards for limiting the movement of the

frame, and a roller journaled between the ends of said frame, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

GUSTAVE ADOLPH KAHL.

Witnesses:

HENRY SARTARIUS,
JOHN C. HIGDON.