

(Model.)

W. H. BETTS.
MOP WRINGER.

No. 512,795.

Patented Jan. 16, 1894.

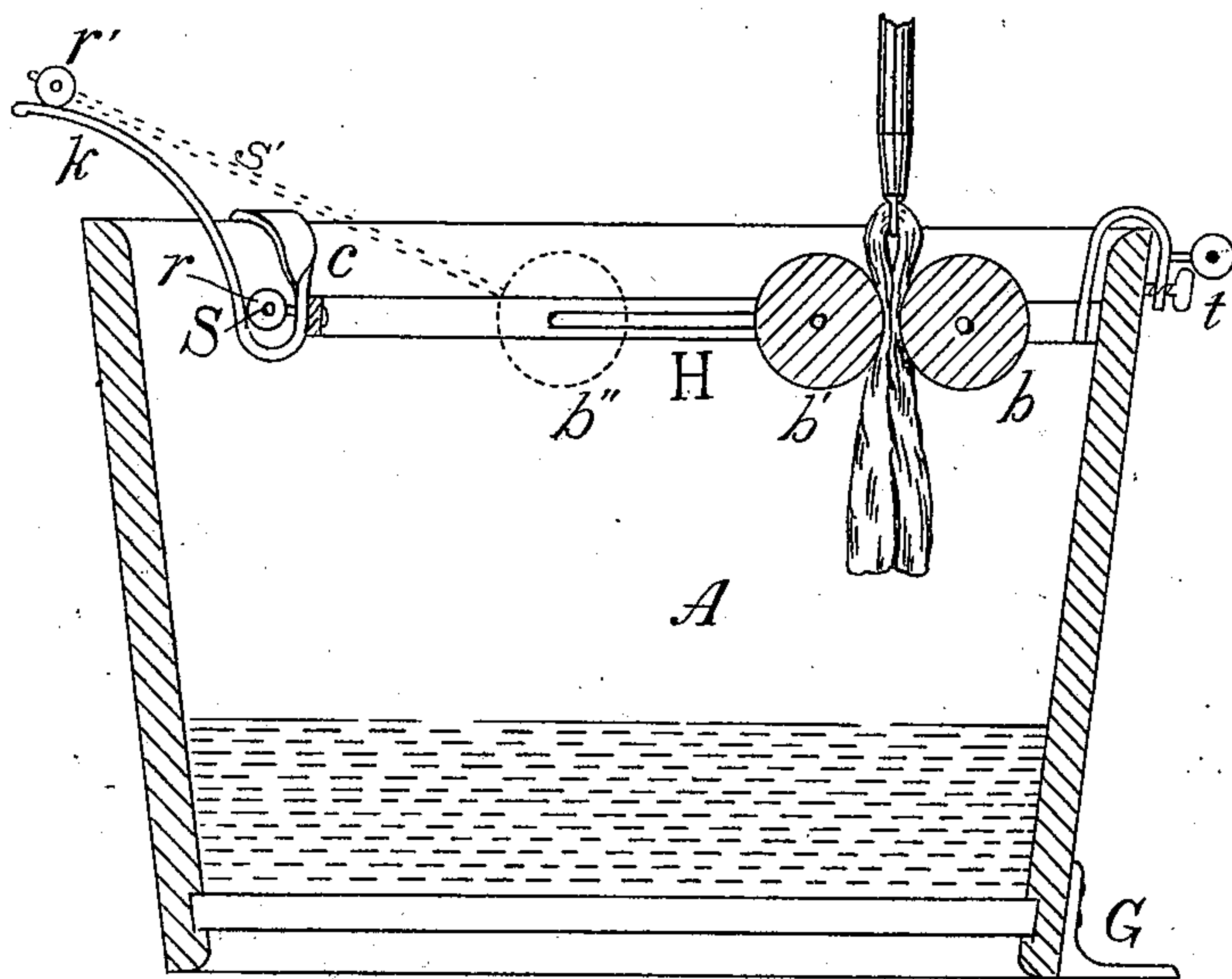


Fig. 1.

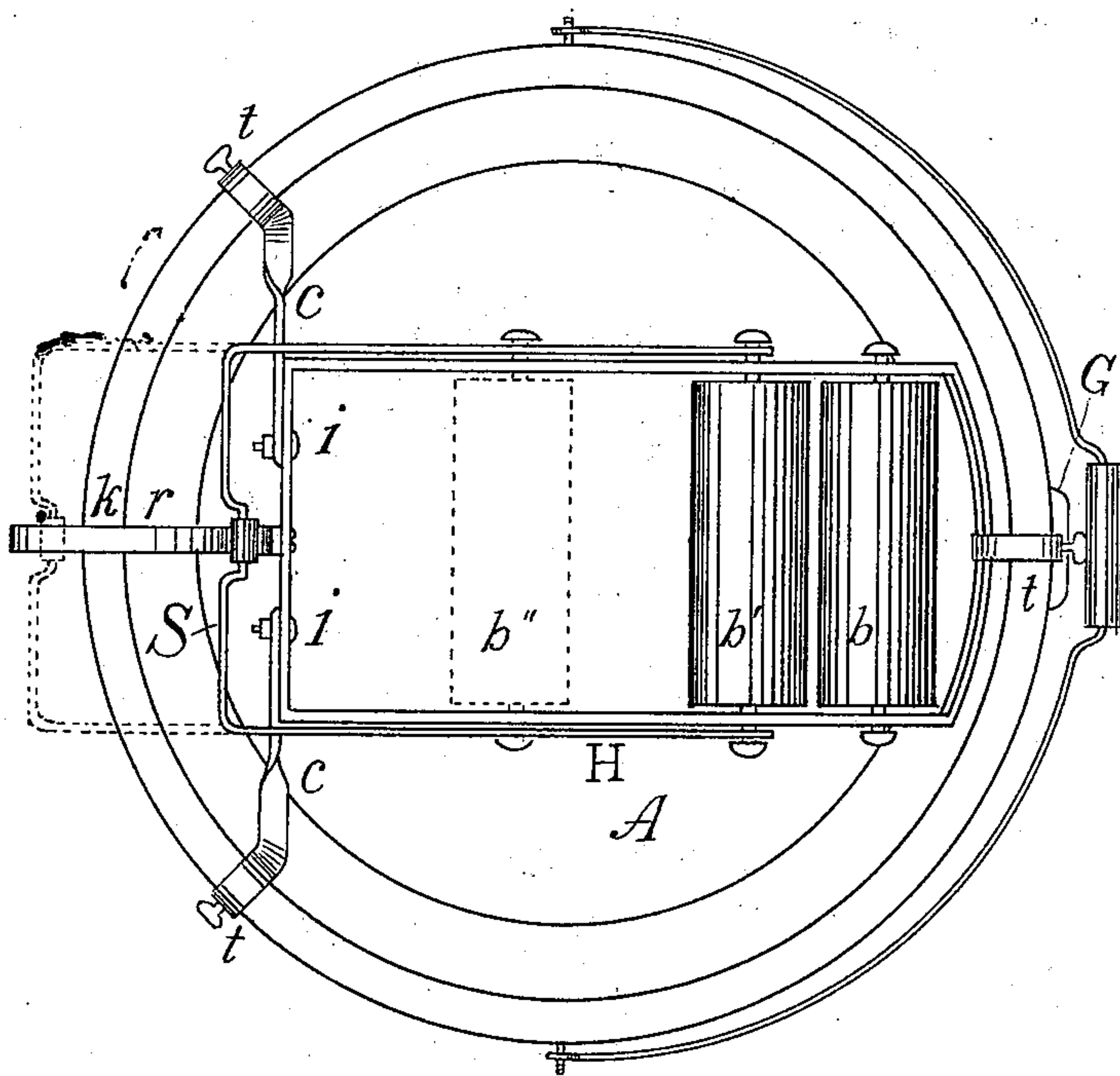


Fig. 2.

Witnesses
A. W. Woods,
in S. W. H. H. H.

Inventor.
William H. Betts
Per. A. Roberts
Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM H. BETTS, OF LINCOLN, NEBRASKA, ASSIGNOR TO EMMA J. STOUGHTON, OF SAME PLACE.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 512,795, dated January 16, 1894.

Application filed January 21, 1893. Serial No. 459,081. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BETTS, a citizen of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented a new and useful Mop-Wringer, of which the following is a specification.

My invention relates to improvements in mop wringers that are attached to a pail or other vessel for holding water and in which the pressure upon the mop is obtained from springs acting upon one of the rollers which is movable; and the objects of my improvement are, first, to provide a spring that will adjust itself to any unequal pressure on the two ends of the roller, and second, to provide for releasing the spring so that the rollers may be readily separated for the insertion of the mop. I attain these objects by the mechanism illustrated in the accompanying drawings in which—

Figure 1 is a vertical section of a mop pail with my improved wringer attached. Fig. 2 is a top view of the same.

Similar letters refer to like parts throughout.

The roller frame H is secured to the pail A by clips in each of which is a set screw *i*. One of these clips is attached to the frame H and the others to the lugs *c c*. These lugs are bolted to the frame at *i i*, the bolts passing through a slot in the frame H which allows them to be adjusted to the width or shape of the pail. The roller *b* revolves upon journals having fixed bearings in the frame H, while the journals of the adjustable roller *b'* work in slots in the frame H which allow said roller to be drawn back to the position shown in dotted lines at *b''*. The requisite pressure upon the roller *b'* is given by the spring S the two ends of which are attached to the journals of the roller, while the center is held

in place by the knee *k* which is secured for that purpose to the frame H. On the center of the spring S I have placed a friction roller *r* which bears against the knee *k* and is useful in securing or releasing the spring. By using a single spring made in this form and attached to both ends of the roller an equal pressure is exerted at either end, the roller adjusting itself to the uneven thickness of the mop.

In operation the spring S is released and the roller *b'* drawn back as indicated in dotted lines at *b''* the friction roller *r'* then lying upon the inclined part of the knee *k* as shown at *r'*. After inserting the mop between the rollers, the roller *b'* is moved up by pressing upon the spring S at the point of attachment of the friction roller *r* which follows down the inclined part of the knee *k* until it reaches that part which is perpendicular to the plane of movement of the roller *b* which is then permanently locked in position.

A foot rest G is attached to the pail for convenience in holding it while the mop is being drawn through the rollers.

Having thus fully described my invention, I claim—

1. In a mop wringer the spring S attached at the two ends of the adjustable roller *b* and having a central bearing on the knee *k* from which it may be released in order to separate the rollers substantially as described.

2. In combination with the roller frame H rollers *b* and *b'* and springs S the curved knee *k* which serves as a point of resistance for the spring S and from which it may be readily released in the manner and for the purpose specified.

WILLIAM H. BETTS.

Attest:

A. ROBERTS,
M. STOUGHTON.