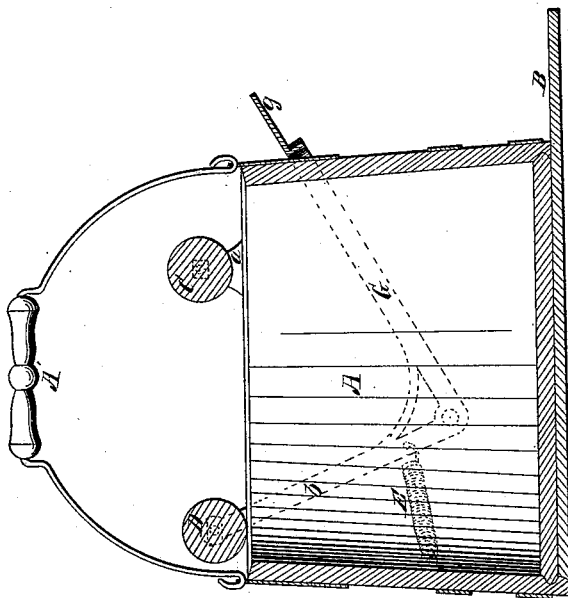


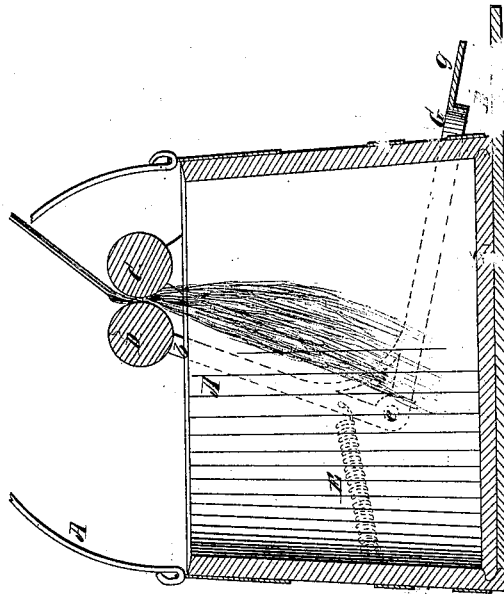
*F. Rhines,*  
*Mop Wringer.*

*N<sup>o</sup> 53,489.*

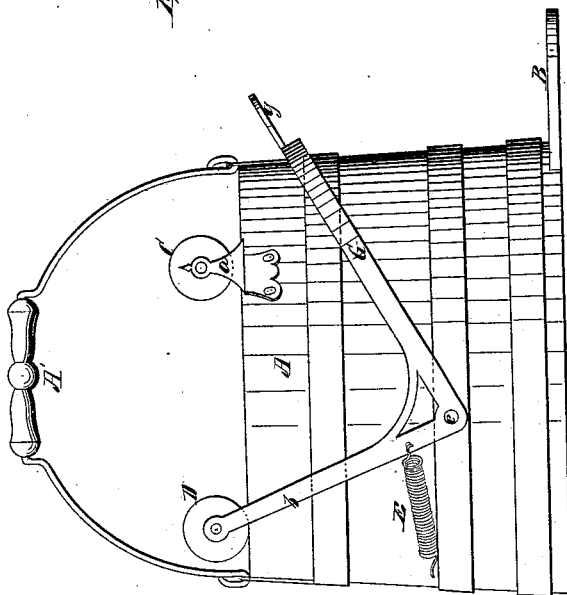
*Patented Mar. 27, 1866.*



*Fig. 3.*

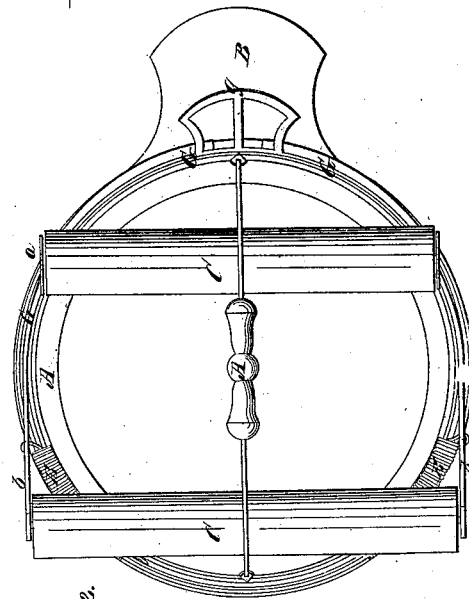


*Fig. 4.*



*Fig. 1.*

*Witnesses*  
*R. Thompson*  
*Edw. Scholer*



*Fig. 2.*

*Inventor:*  
*Fred. Rhines*  
*by atty.*  
*Mar. 27, 1866*

# UNITED STATES PATENT OFFICE.

FOSTER RHINES, OF WATERTOWN, NEW YORK.

## IMPROVED MOP-WRINGER.

Specification forming part of Letters Patent No. 53,489, dated March 27, 1866.

*To all whom it may concern:*

Be it known that I, FOSTER RHINES, of Watertown, in the county of Jefferson and State of New York, have invented a new and Improved Mop-Wringer; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of my improved wringer. Fig. 2 is a top view. Fig. 3 is a vertical central section of the wringer and pail. Fig. 4 is a sectional view showing the operation of the wringer.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in combining wringing contrivances which are adapted for being operated by the foot, with a pail or bucket which is intended for containing water and for receiving the water which is wrung out of the mop, as will be hereinafter described.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

In the accompanying drawings, A represents a pail or bucket, which is provided with a bail A', and which may be constructed larger at the base than it is at its upper end, so that it will not readily turn over in operating the wringing contrivances.

B is a foot-piece, which projects out from the base of the pail a suitable distance, to receive the foot of a person during the operation of wringing a mop. This foot-piece B also increases the base of the pail and prevents it from being upset, also enables a person to hold it down and in a steady position while using the wringer.

C represents a cylindrical roller, which may be made of wood, rubber, cloth, or other suitable substance, and which has its bearings in two brackets, a a, which are secured to the pail at its upper edge. These bearing-brackets are arranged so that the roller C will be held in a horizontal position over the pail, as shown in Figs. 2 and 3.

D represents a roller, which has its bearings in the upper ends of two arms, b b, and which is arranged parallel to the roller C. The arms b b are pivoted at their lower ends to the pail at e e, so that when they are vibrated in one direction the roller D will be brought up to the roller C, as shown in Fig. 4, and when these arms are released springs E E will move them back, so that their roller will be held in the position shown in Figs. 1, 2, and 3 upon the top of the pail.

The lower ends of the levers or arms b b are formed on or suitably attached to a semi-circular treadle, G, which is constructed at such an angle with the arms b b that the foot-piece g will be thrown up to the position shown in Figs. 1 and 2 by the springs E E when this piece is released.

The pail A serves to contain water for scrubbing or mopping purposes, and when the rollers are in the positions shown in Figs. 1 and 2, the mop can be put into and removed from the bucket or pail at pleasure.

When it is desired to wring the water from a mop, the latter is introduced between the rollers C D, and the roller D brought up by placing the foot upon the piece g and forcibly pressed against the mop, holding it firmly upon the roller C. The mop is now drawn out, and the pressure upon it will squeeze out the water. This operation may be repeated as often as desired.

By my invention it will not be necessary for a person to stoop or place the hands upon the wringer or the bucket during the operation of wringing out a mop.

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

The combination of the roller C, with fixed bearings, the roller D, applied to the arms b b of the treadle G, the spring or springs E E, and the pail A, substantially as described.

FOSTER RHINES.

Witnesses:

JOHN SHELDON,  
E. DWIGHT MOORE.