

R. S. CATHCART

Improvement in Clothes-Wringers.

No. 131,392.

Patented Sep. 17, 1872.

Fig. 1

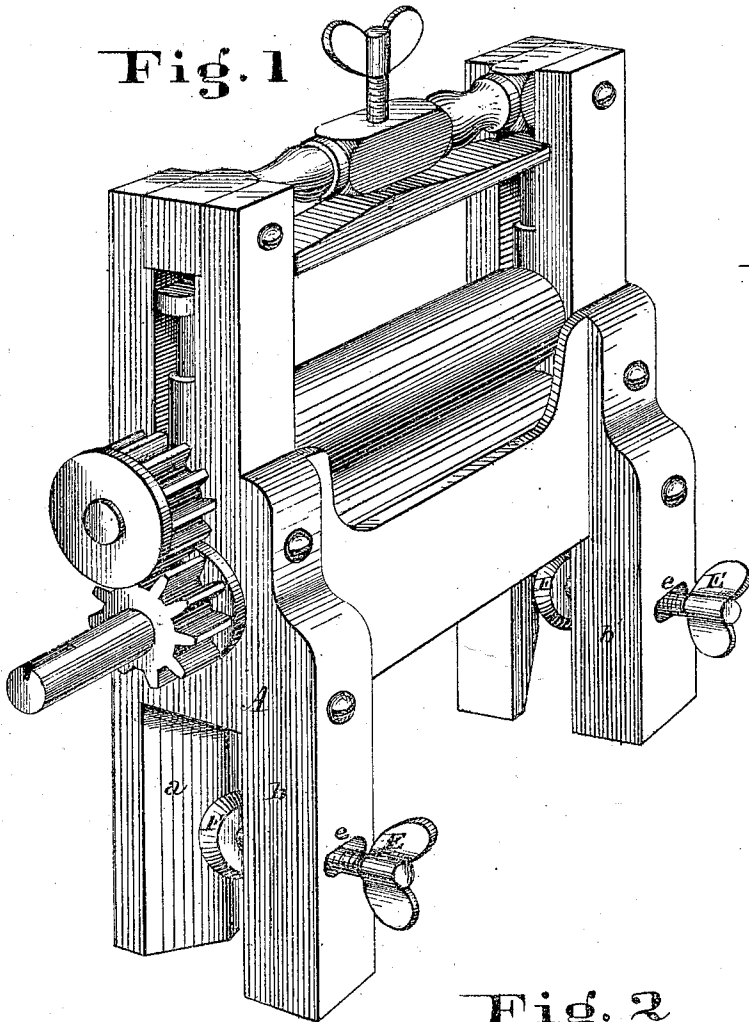


Fig. 3

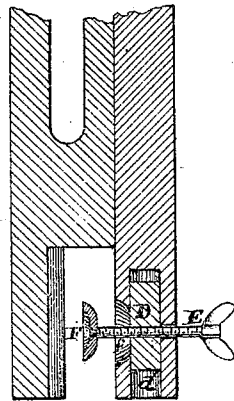
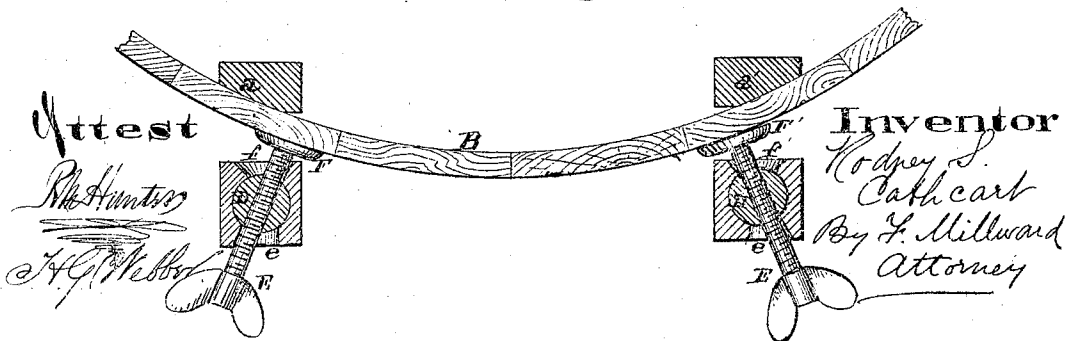


Fig. 2



# UNITED STATES PATENT OFFICE.

RODNEY S. CATHCART, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF  
AND THE QUEEN CITY WRINGER COMPANY.

## IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. 131,392, dated September 17, 1872.

*To all whom it may concern:*

Be it known that I, RODNEY S. CATHCART, of Cincinnati, Hamilton county, Ohio, have invented a certain new and useful Improvement in Clothes-Wringers, of which the following is a specification:

### *Nature and Objects of Invention.*

My invention consists of a peculiar clamping device for a clothes-wringer, by which the wringer is adapted by simpler means than heretofore employed, to be used not only on a square washing-machine, but on a tub or circular vessel of any diameter, the fastenings being adjustable to the periphery of any such vessel, either round or square.

### *Description of Drawing.*

Figure 1 is a perspective view of a wringer embodying my invention. Fig. 2 is a plan of my invention, and Fig. 3 is a vertical section of the same.

### *General Description.*

A A are the uprights of any customary wringer, divided below into two parts, *a b a' b'*, the inner one, *a a'*, being chamfered away upon its edge to enable it to fit the interior of a circular tub, B. The outer ones, *b b'*, contain vertical cylindrical chambers *d*, in which rotate freely cylinders D of brass or other suitable material, perforated and screw-threaded for the passage of the clamp-screws E E, which have upon their inner ends dished and swiveling circular heads F F. A flaring slot, *e*, cut through the outer portion of the wood allows the shank of the screw to swing

to and fro through its extent, while the corresponding slots *f f'* cut through the inner portion are enlarged to form circular recesses into which the heads F F may be retracted. The liberty of vibration thus given to the clamp-screws allows them to be set at such angles to the uprights A A as to make the shank of the screw radial to the curvature of the tub to which the wringer is attached, so that the dished circular heads may press squarely against the periphery of the tub, and by the action of the screws draw the chamfer *a a'* firmly against its interior, thus securing the wringer strongly to its place, as seen in Fig. 2, which shows the fitting of the wringer to the smallest tub to which it is adapted. For a larger tub the inclination of the screws would be less, while for the square washer they would be at right angles to the line of the rollers; but in all cases the heads F F press flatly and firmly against the surface of the tub and hold the wringer steadily in its position.

### *Claim.*

In combination with the frame of a clothes-wringer, the chamfers *a a'*, hollow posts *b b'*, rotating cylinders D D, and swinging clamp-screws E E with the heads F F, for the purpose of adjusting wringers to circular vessels of different diameters or to square washers, substantially as specified.

In testimony of which invention I hereunto set my hand.

RODNEY S. CATHCART.

Witnesses:

HENRY MILLWARD,  
J. L. WARTMANN.