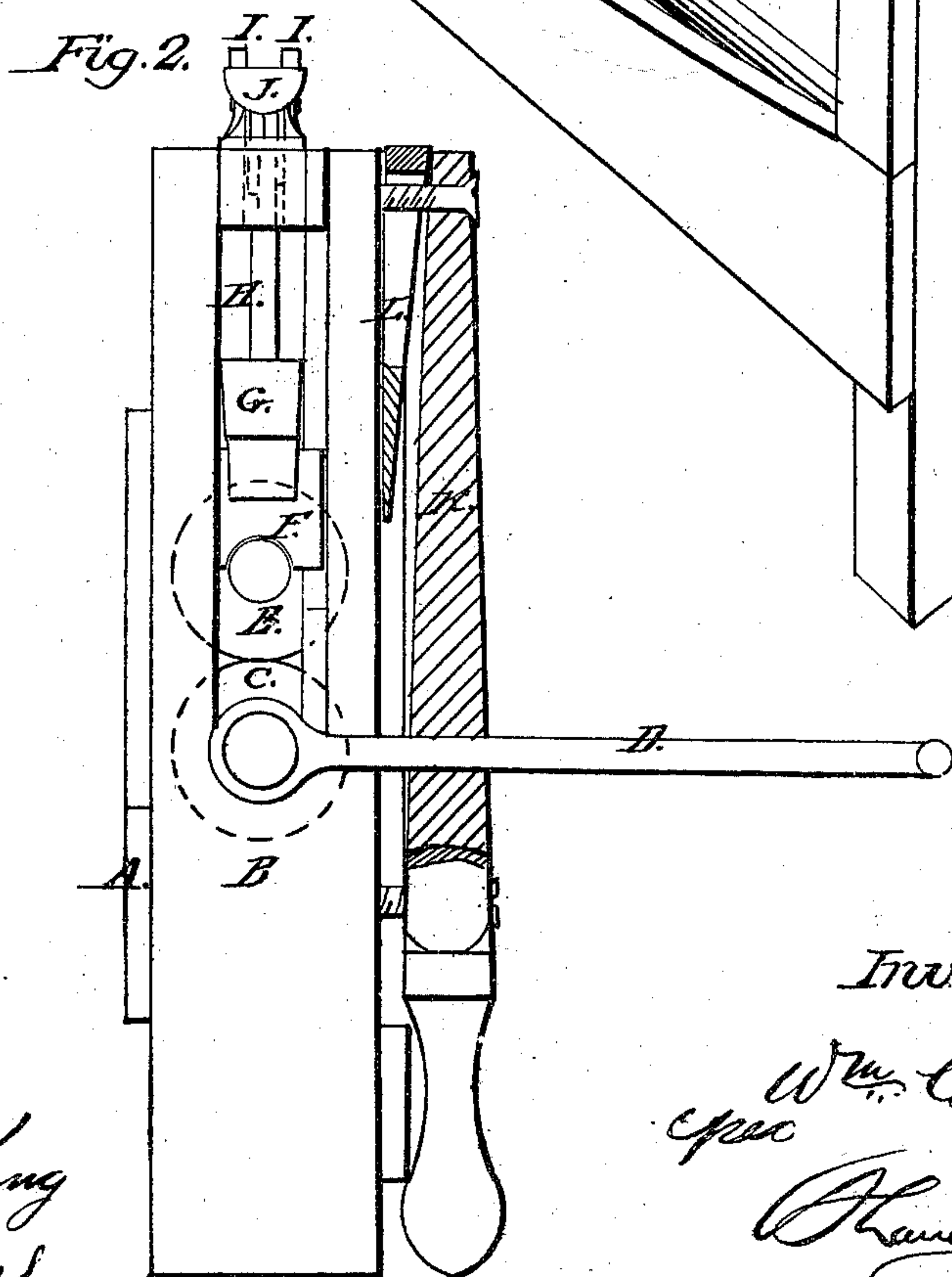
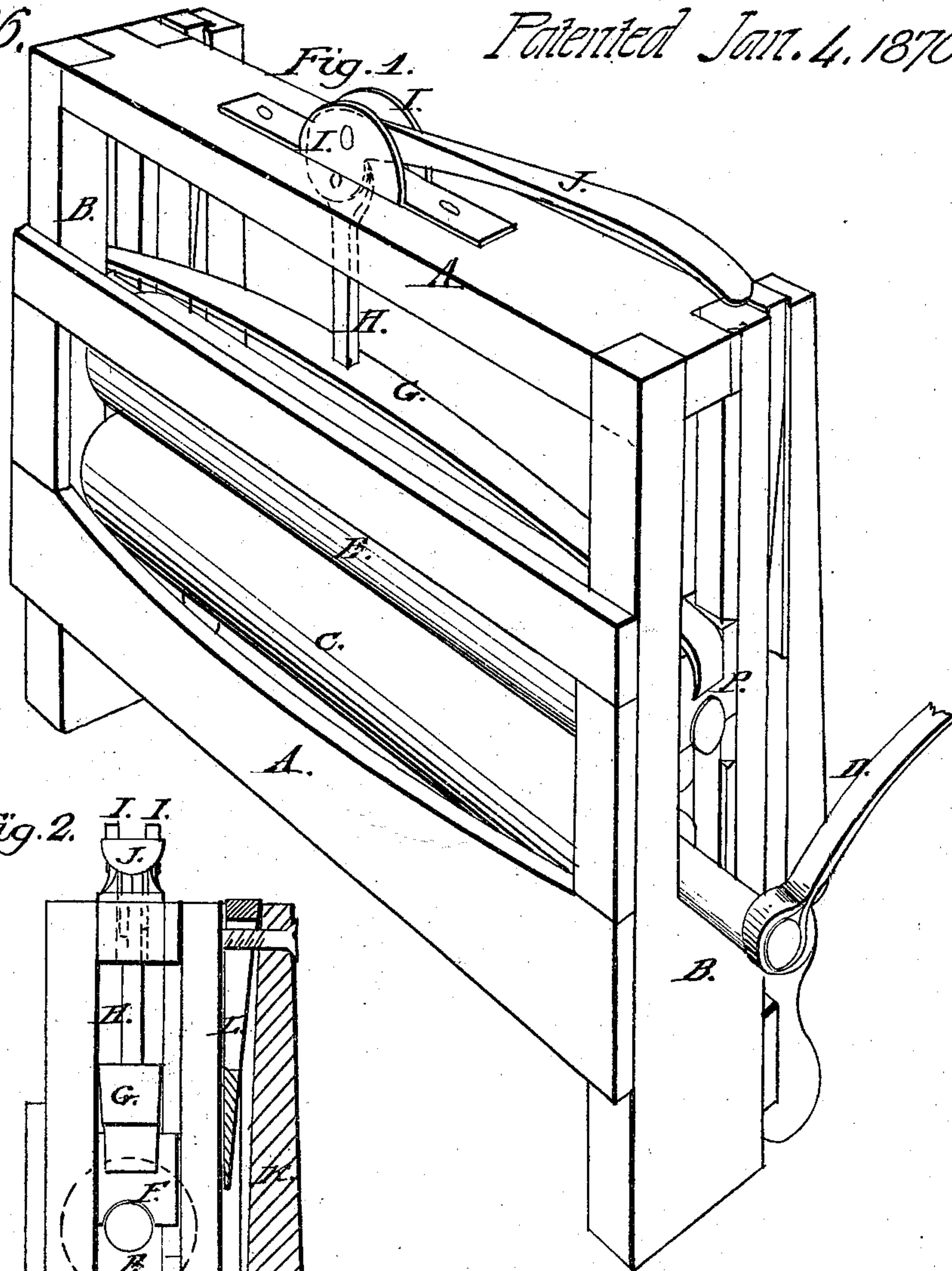


*W. Cooper,*  
*Clothes Wringer.*

*No. 98,566.*

*Patented Jan. 4, 1870.*



*Witnesses:*  
*Harry King*  
*Leopold Euer*

*Inventor:*  
*Wm. Cooper*  
*Spec*  
*Charles Mason*  
*Atty*

# United States Patent Office.

WILLIAM COOPER, OF INDEPENDENCE, IOWA.

*Letters Patent No. 98,566, dated January 4, 1870.*

## IMPROVED CLOTHES-WRINGER.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, WILLIAM COOPER, of Independence, in the county of Buchanan, and in the State of Iowa, have invented certain new and useful Improvements in Clothes-Wringer; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and general arrangement of a "clothes-wringer," by which clothes will be wrung perfectly, without any danger of being torn, and which can readily be attached to a wash-tub or wash-machine of any kind.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a perspective view, and

Figure 2, an end elevation, part in section.

A represents a frame of suitable dimensions, having slotted end-pieces B B, in which are placed the journals of a smooth roller or cylinder, C, one of said journals being outside of the frame, provided with a crank, D, for turning the roller.

Above, and resting on the roller C, is another roller, E, of similar shape, the journals of which are also placed in the slots of the end-pieces B B, and held in position by journal-blocks F F, sliding in said slots, and placed on the upper side of the journals.

Above the roller E, and resting with its ends on the journal-blocks F F, is a spring-bar, G, which is acted upon, in its centre, by a vertical bar, H, the upper end of which is pivoted to a cam at the end of a lever, J, which is in its turn pivoted between two

ears, I I, on the upper cross-bar of the frame A, which is slotted, to allow said cam and bar H to work freely.

By this means the spring-bar G can be forced down, so as to bring the rollers E and C as close together as may be desired.

On one side, along each of the end-pieces B B, is placed a vertical bar, K, which moves on two-headed bolts or screws, that pass through said bar and into the end-piece of the frame.

The upper inner end of the bar K is grooved in an inclined manner, as seen in fig. 2, and around the upper bolt or screw on which the bar is placed; between said frame and bar, is placed a slotted wedge, L, moving in the inclined groove mentioned.

The edge of the tub or wash-machine, on which the clothes-wringer is to be placed, is inserted between the lower edges of the bars K K and the end-pieces B B, the wedge L being drawn upward as far as possible.

By now pressing the wedge down, the wringer will become firmly secured to the tub.

I am aware that the several devices herein shown and described, when taken separately, are, of themselves, not new.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the frame A, rollers E C, spring G, bar H, cam-lever J, blocks K K, slotted wedges L, and journal-blocks F F, all constructed as specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 17th day of April, 1869.

WILLIAM COOPER.

Witnesses:

J. M. JONES,

I. HURDLE,