

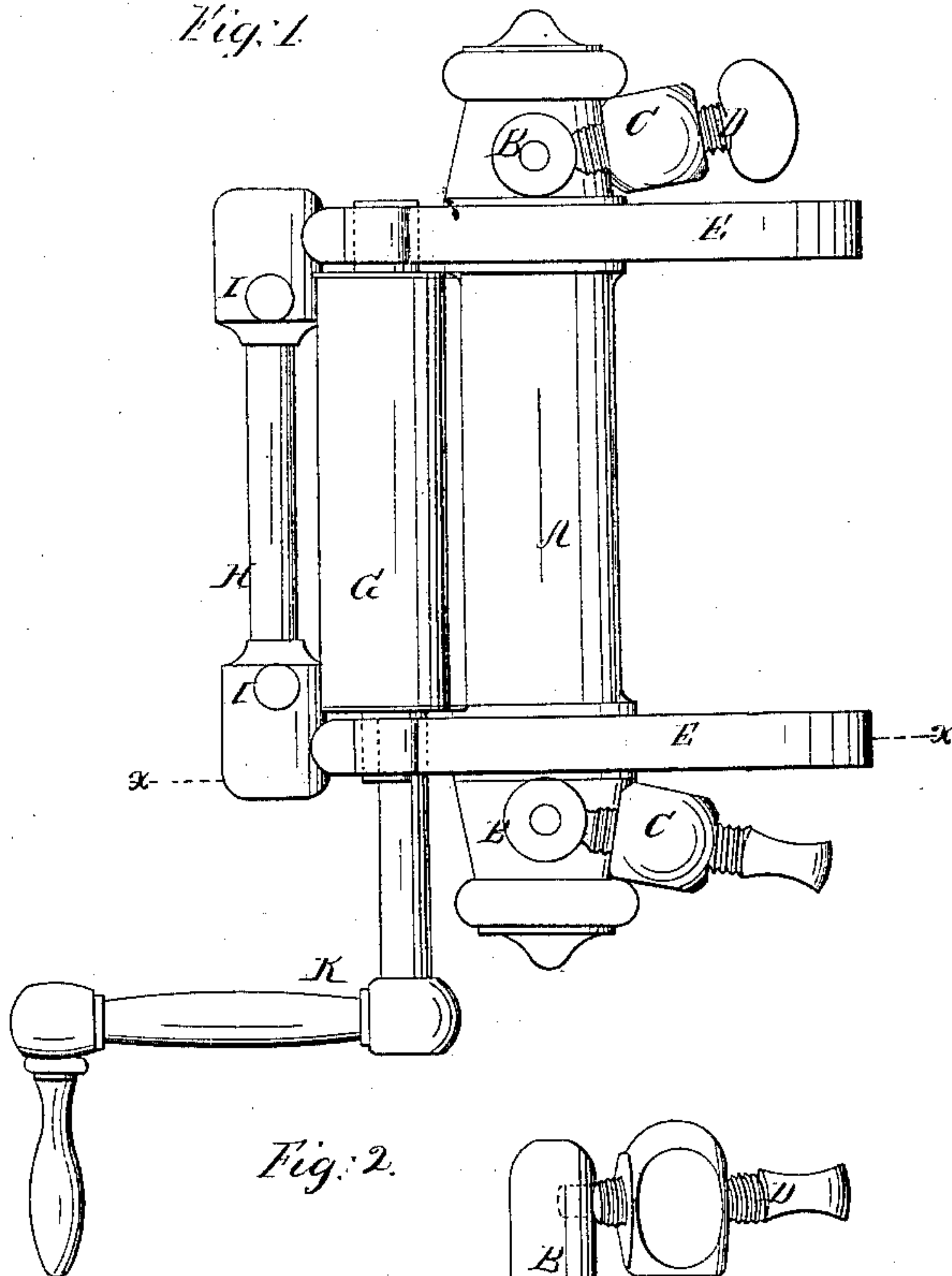
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*Wringer,*

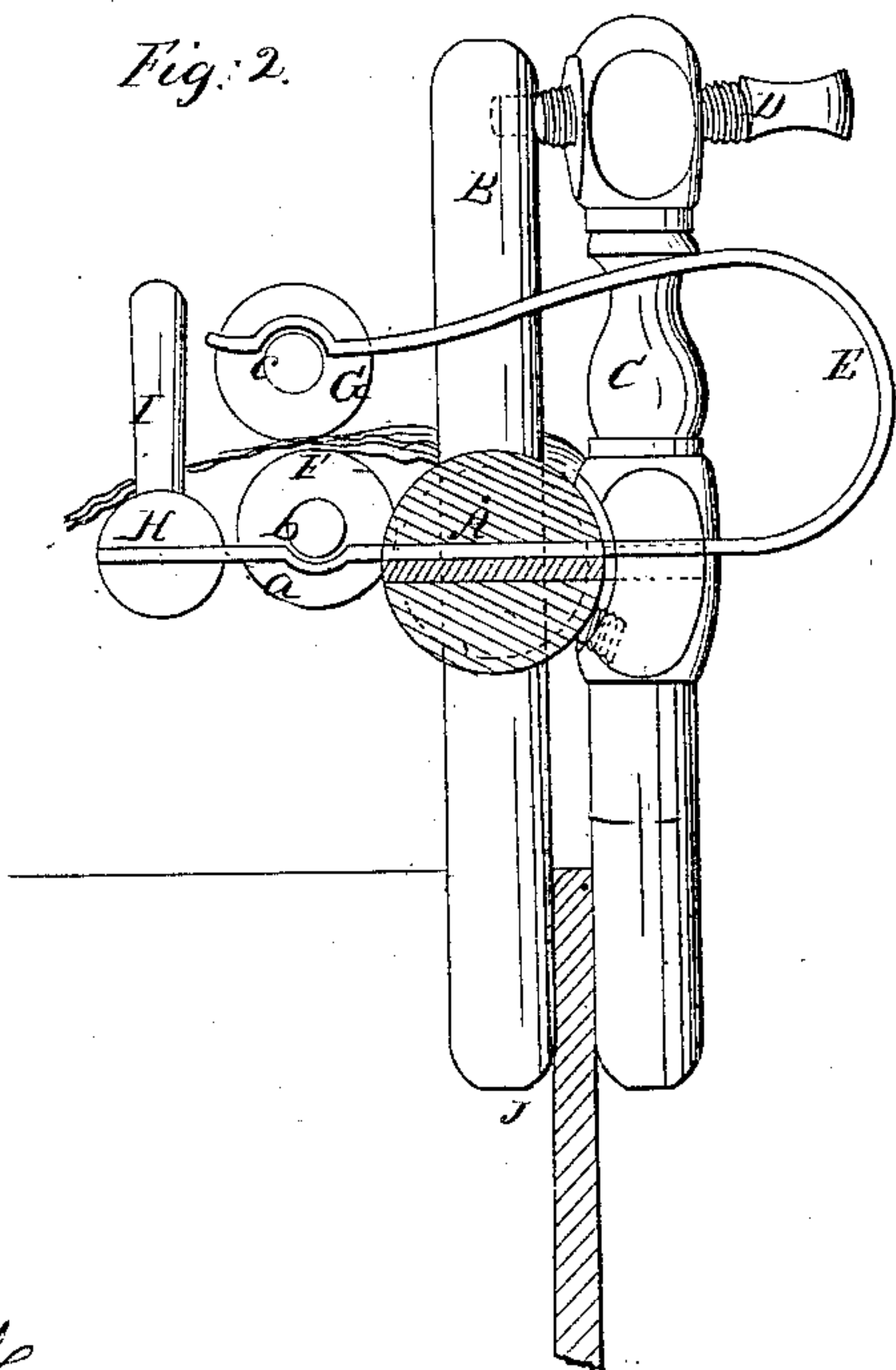
*N<sup>o</sup> 34,276.*

*Patented Jan. 28, 1862.*

*Fig. 1.*



*Fig. 2.*



*Witnesses,  
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# UNITED STATES PATENT OFFICE.

DANIEL W. SWIFT, OF WEST FALMOUTH, MASSACHUSETTS.

## IMPROVED CLOTHES-WRINGING MACHINE.

Specification forming part of Letters Patent No. 34,276, dated January 28, 1862.

*To all whom it may concern:*

Be it known that I, DANIEL W. SWIFT, of West Falmouth, in the county of Barnstable and State of Massachusetts, have invented a new and Improved Clothes-Wringing Device; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a plan or top view of my invention; Fig. 2, a section of the same, taken in the line *x x*, Fig. 1.

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

This invention relates to an improved clothes-wringing device of that class in which pressure-rollers are employed, and which are secured to the edge or side of the wash-tub or vessel by means of a clamp.

The object of the invention is to obtain a device for the purpose specified that will admit of the rollers readily adjusting themselves to the varying thicknesses of the clothes passing between them, and one which will be durable, simple, and economical in construction.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a cylinder which is turned out of a suitable hard wood, and B B are two pins which pass transversely through the cylinder, one near each end. The pins B B are of cylindrical form, but considerably smaller in diameter than the cylinder A. The pins should be of hard wood and fitted in the cylinder A, so as to project at equal distances from each side of it.

To the cylinder A, near each end of it, there is attached an upright C. These uprights are equal in length to the pins B B, and they are attached to the cylinder by screws which pass loosely through the centers of the uprights C, so that the latter can work freely on the former. One of these screws is shown by dotted lines in Fig. 1. In the upper parts of the uprights C C there are placed thumb-screws D D—one in each upright—and the front ends of the screws fit in the upper ends of the pins B B.

E E are two springs, which are constructed of flat steel bars bent in the form shown clearly in Fig. 2. The springs pass through the cylinder A—one near each end—and the lower parts of the springs which project in front of the cylinder are bent so as to form bearings *a* for the journals of an iron shaft *b*, on which an india-rubber roller F is placed. The upper parts of the springs E E are also bent or curved to form bearings for an iron shaft *c*, on which an india-rubber roller G is placed. The roller G is directly over the roller F, as shown in Fig. 2.

On the front ends of the lower parts of the springs E E there is fitted a horizontal bar H. This bar is directly in front of the lower roller F and has a vertical pin I fitted in it, one near each end.

The implement or device is used as follows: It is secured to the side of the wash-tub or other vessel J by screwing outward the upper ends of the uprights C C, so that the lower parts of the pins B B and uprights C C will grasp firmly the side of the vessel J. (See Fig. 2.) The shaft *b* of the lower roller F has a crank K attached to it for the purpose of turning said roller, and the clothes are drawn between the two rollers F G, the pins I I serving as guides to keep the clothes in proper position while passing between the rollers. The springs E E, in consequence of being arranged and formed as shown, admit of the upper roller G readily yielding or giving to conform to the varying thickness of the clothes passing between them, while the lower parts of said springs, in consequence of passing through the cylinder A and projecting in front of it, form convenient supports for the lower roller F and bar H of the pins I I. The arrangement of the cylinder A, pins B B, and uprights C C, as shown, forms a very cheap and desirable frame for the device, and one that admits of the device being firmly secured to the wash tub or vessel.

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

1. The springs E E, constructed of steel of the form shown when said springs are applied to the cylinder A of the frame of the



device to form a support for the lower roller G, and at the same time admit of the upper roller G being applied to them so that the springs will press said roller G on roller F, as set forth.

2. The guide-pins I I, when attached to the bar H, fitted on the springs E E and placed

in relation with the rollers F G, as and for the purpose specified.

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