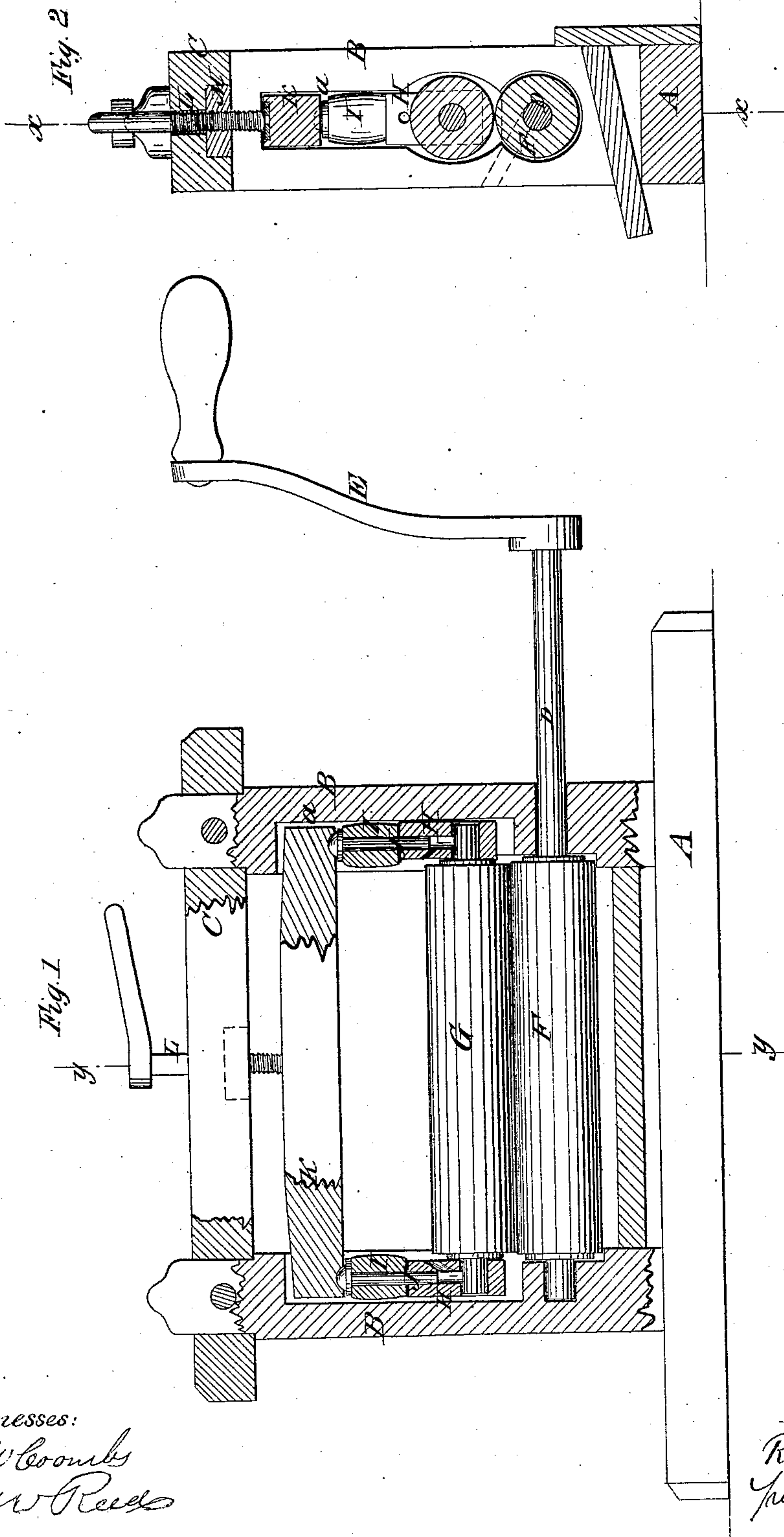


R. G. Holmes,

Wringer,

No. 33,812,

Patented Nov. 26, 1861.



Witnesses:

J. W. Coombs
J. W. Reed

Inventor:

Reuben G. Holmes
per Munroe & Co
attorneys

UNITED STATES PATENT OFFICE.

REUBEN G. HOLMES, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO
HIMSELF AND JONATHAN LUTHER, OF SAME PLACE.

IMPROVED CLOTHES WASHER AND WRINGER.

Specification forming part of Letters Patent No. 33,812, dated November 26, 1861.

To all whom it may concern:

Be it known that I, REUBEN G. HOLMES, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and Improved Clothes Washing and 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 annexed drawings, making a part of this specification, in which—

Figure 1 is a vertical section of my invention, taken in the line *xx*, Fig. 2; Fig. 2, a transverse vertical section of the same, taken in the line *yy*, Fig. 1.

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

This invention relates to an improvement in that class of clothes-wringers in which elastic pressure-rollers and rubber springs are employed for expressing the moisture from the clothes.

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

A represents a bed-piece, to which two uprights, B B, are permanently secured, said uprights being connected at their upper ends by a cross-bar, C. The inner side of each upright B is grooved vertically, as shown at *a*, and through the lower parts of said uprights a horizontal shaft, D, passes, one end of which has a crank, E, attached. The shaft D has an india-rubber roller, F, placed on it, and on this roller F a similar roller, G, bears. The journals of the roller G are fitted in slides H, and these slides are placed in the grooves *a a* and allowed to work freely up and down therein. On each slide H there is placed an india-rubber spring, I. These springs fit in the grooves *a a*, and each spring has a guide-rod, J, passing vertically through it, which rods fit into

the slides H H, as shown clearly in Fig. 1. On the top of the springs I I the ends of a bar, K, rest, and through the center of the cross-bar C a screw, L, passes, said screw working in a nut, M, in the bar C. The lower end of the screw L bears upon bar K.

From the above description it will be seen that by adjusting the screw L the pressure of the roller G on roller F may be graduated, as desired, while the india-rubber springs I admit of the upper roller yielding or giving to suit the varying thickness of the layer of clothes passing through them.

The bed-piece A may be secured to a wash-tub or any convenient fixture. The crank E may be turned by hand, the clothes passing between the rollers F G, and subjected to the requisite pressure by adjusting-screw L.

There are no metal parts with which the clothes come in contact in passing through the machine. The shaft D is covered by the lower roller, F, while the guide-rods J of the springs I are equally as well covered. The clothes therefore cannot be soiled or disfigured by iron-rust, as is the case in using all the machines of the kind with which I am acquainted.

I do not claim separately any of the within-described parts irrespective of their particular application and arrangement herein shown; but

I do claim as new and desire to secure by Letters Patent—

As an improved article of manufacture, the arrangement of the guides J with the roller-slides H, rollers G, springs I, and bar K, as herein shown and described.

R. G. HOLMES.

Witnesses:

J. M. GOODELL,
R. CURTIS.