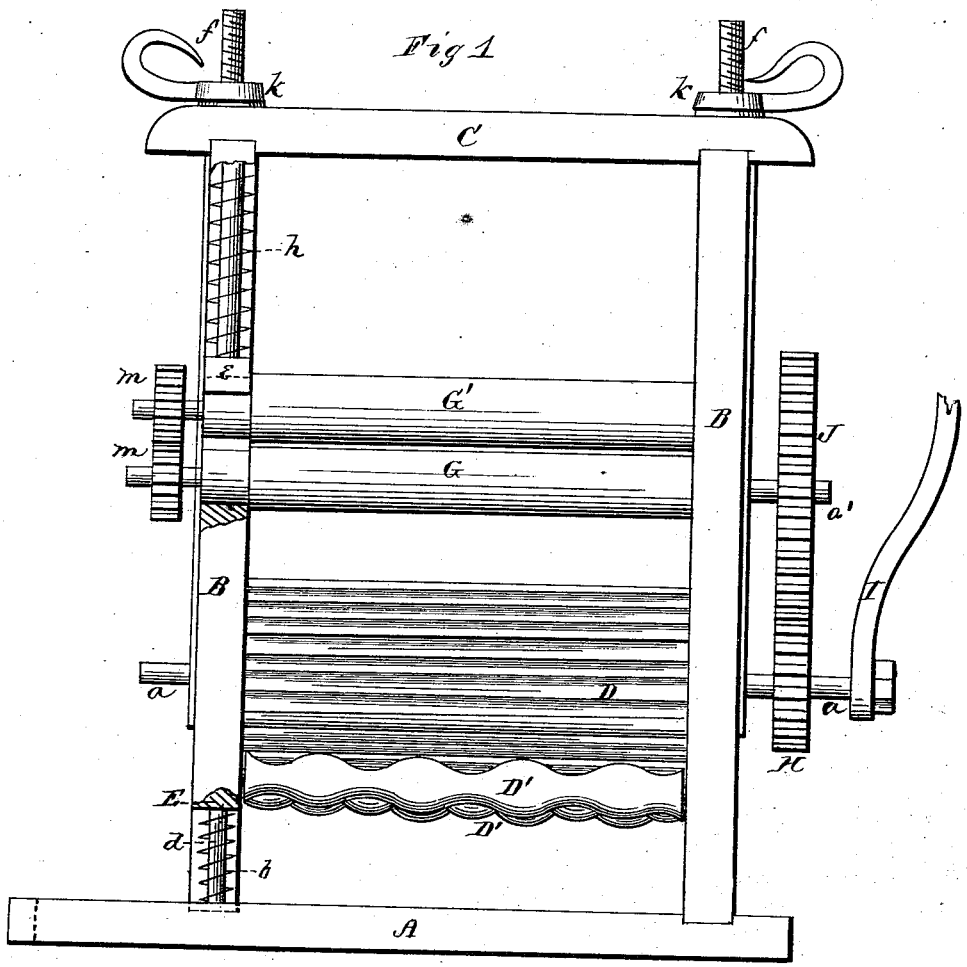
2 Sheets--Sheet 1.

J. H. COOK.

Combined Washing and Wringing Machine.

No. 161,328. Patented March 30, 1875.

Fig 1



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2 Sheets--Sheet 2.

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Combined Washing and Wringing Machine.

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Fig 2

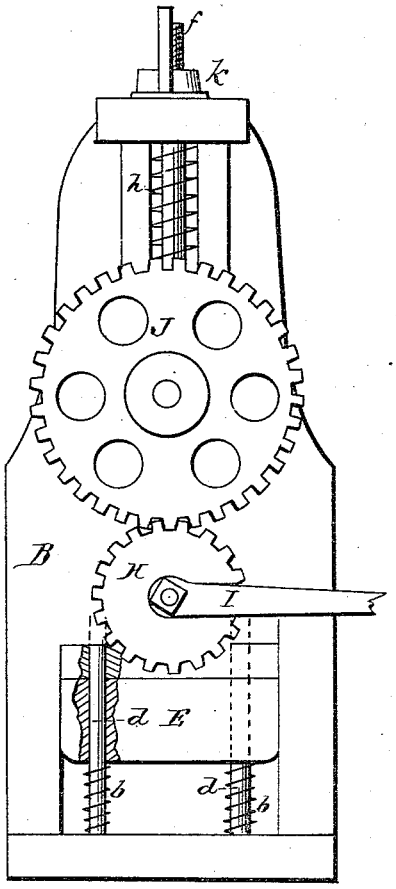
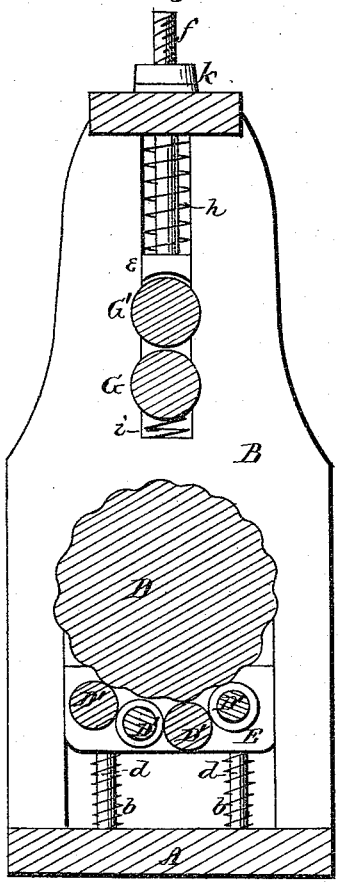


Fig 3



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UNITED STATES PATENT OFFICE.

JOSEPH H. COOK, OF MERCER, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN B. MOURY, OF SAME PLACE.

IMPROVEMENT IN COMBINED WASHING AND WRINGING MACHINES.

Specification forming part of Letters Patent No. **161,328**, dated March 30, 1875; application filed April 10, 1874.

To all whom it may concern:

Be it known that I, JOSEPH H. COOK, of Mercer, in the county of Mercer and in the State of Pennsylvania, have invented certain new and useful Improvements in Combined Washing-Machine and 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.

My invention relates to a washing and wringing machine upon a single frame; and it consists in the employment of devices whereby the washing and wringing rollers may be operated at one time from one crank, or may be readily ungeared to be operated separately, all as more fully hereinafter set forth.

In the drawings, Figure 1 represents a front elevation of the entire machine; Fig. 2, an end view, showing the gearing; and Fig. 3, a vertical section.

A represents a base-board, from which extend upward two standards, B B, connected at the top by a bar, C. The standards B B are slotted at the top, within which are inserted, in each, a rod, *h*, having bearing-blocks E at their lower ends, and having screw-threads *f* on their top ends. G G′ represent two wringing-rollers secured between the standards B B, and each having a cog-wheel, *m m*, gearing into each other on one side of the frame. Under the lower roller G is a coil-spring, *i*, as seen in Fig. 3, to throw up the wringing-rollers, as hereinafter described. The roller G has also a large cog-wheel, J, on the end of the frame opposite to the cog-gears *m*. D represents a large washing-roller secured between the standards below the wringing-rollers, and provided with a cog-wheel, H, on one end, to gear with the cog-wheel J on the lower wringing-roller. I is the crank for operating either the washing or wringing rollers, or both, as desired.

Being aware that the washing and wringing devices are of themselves not new, I do not wish to be understood as claiming the same.

Whenever it is desired to cause the washing and wringing to be done at one operation, the thumb-nuts *k k* are turned upon the screw-rods *f*, so as to bring the rollers G G′ down, so that the spring *i* will be contracted, and the wheel J will gear with the wheel H; then, by turning the crank I, the rollers D and G G′ will be caused to revolve together. By unscrewing the nuts *k k*, the spring *i* will throw the rollers G G′ up and out of gear, and the crank can be applied to the journal *a* to operate the washing devices alone, or to the journal *a′*, to operate the wringer-rollers.

What I claim is—

The combination of the cog-wheel H on the end of the washing-roller D, the cog-wheel J on the end of the wringer-roller G, the spring *i* under said roller, the screw-rods *f*, and the adjusting-nuts *k*, all as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of March, 1874.

JOS. H. COOK.

Witnesses:

JOHN B. MOWRY,

THOMAS H. BOHN.