

F. WAY.
Wringing-Machines.

No. 156,191.

Patented Oct. 20, 1874.

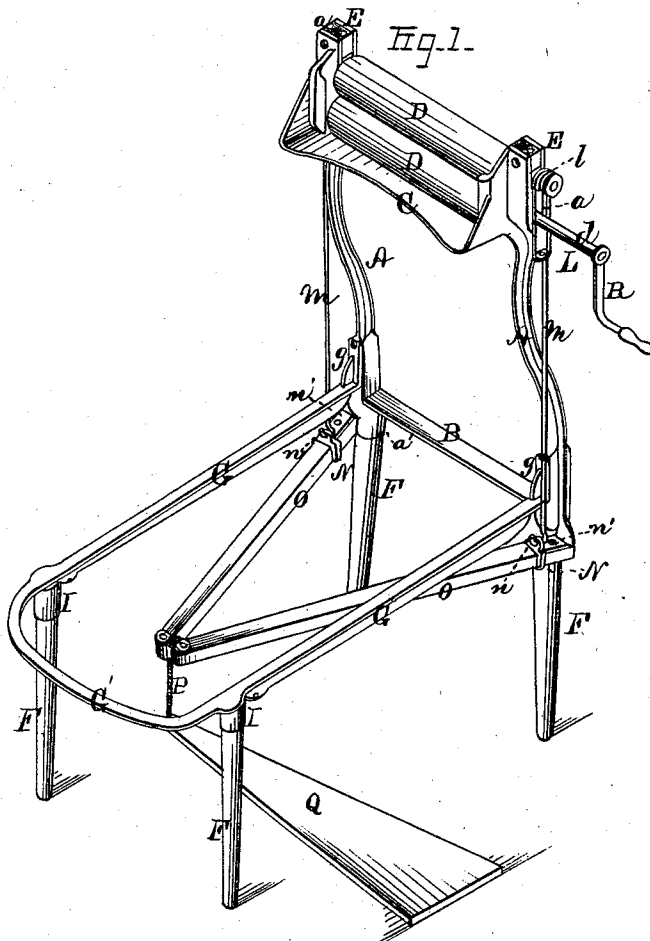
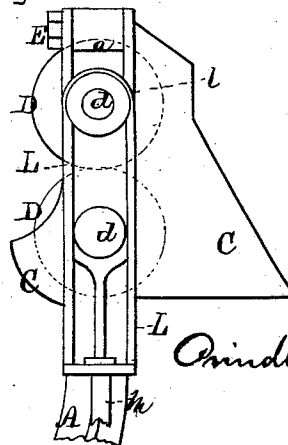


Fig. 2.



WITNESSES.

*Jas. C. Hutchinson
 John R. Young*

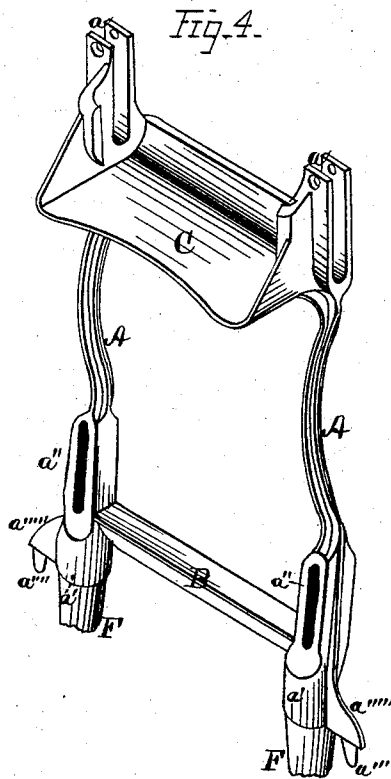
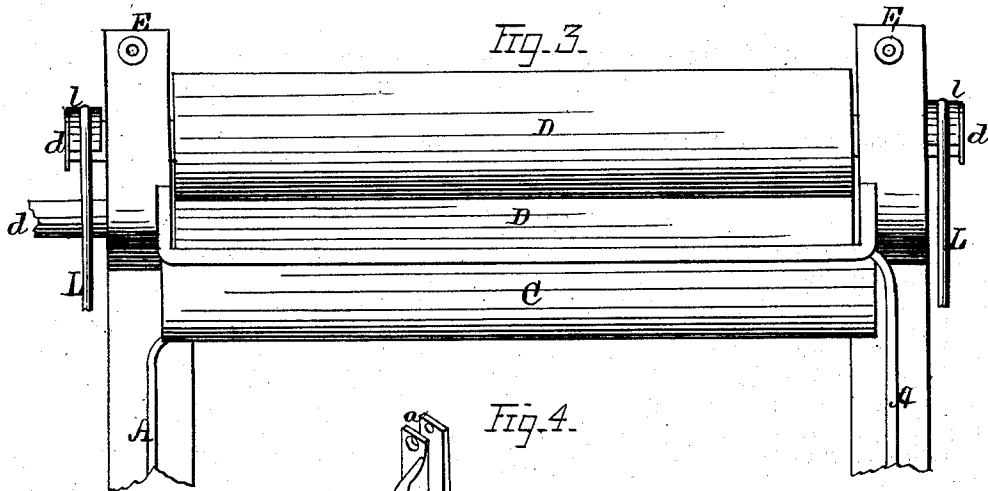
INVENTOR.

*Francis Way, by
 Orin D. & Jeani, his Attys.*

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John R. Young

INVENTOR.

Francis Way, by
Prindle and Gann, his attys

UNITED STATES PATENT OFFICE.

FRANCIS WAY, OF SPRINGFIELD, OHIO, ASSIGNOR OF ONE-HALF HIS
RIGHT TO MARTIN WAY, OF SAME PLACE.

IMPROVEMENT IN WRINGING-MACHINES.

Specification forming part of Letters Patent No. **156,191**, dated October 20, 1874; application filed
July 14, 1874.

To all whom it may concern:

Be it known that I, FRANCIS WAY, of Springfield, in the county of Clarke and in the State of Ohio, have invented certain new and useful Improvements in Wringing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improved machine as arranged for use. Fig. 2 is an enlarged side elevation of the upper end of one of the standards, showing the means employed for conveying the necessary pressure to the upper roller. Fig. 3 is a front elevation of the rollers and the contiguous portion of the frame, and Fig. 4 is a perspective view of the vertical portion of the frame with the rollers and connecting-parts removed.

Letters of like name and kind refer to like parts in each of the figures.

My invention is an improvement upon a class of wringers in which the frame forms a support for a wash-tub; and it consists principally in the vertical section of the frame constructed in one piece, substantially as and for the purpose hereinafter specified. It consists, further, in the peculiar construction of the fulcrums of the pressure-levers, substantially as and for the purpose hereinafter shown. It consists, finally, in the construction and combination of the pressure-levers, substantially as and for the purpose hereinafter set forth.

In the annexed drawings, A and A represent the side rails or standards of the vertical portion of my frame, which are connected together near their lower ends by means of a cross-bar, B, and near their upper ends by a water-trough, C, the whole having a general rectangular shape in front elevation. The portions of the standards A and A above the trough C are slotted vertically, and in a line with each other, and within said slots *a* and *a* are journaled two rollers, D and D, of usual construction, the journals *d* and *d* of the lower roller having bearings within the corresponding-shaped lower ends of said slots. A bolt

or pin, E, passes through the upper end of each standard A, and prevents the accidental displacement of the rollers without limiting the necessary vertical motion of the upper roller. Within the lower ends of the standards A and A are formed sockets *a'* and *a'* for the reception of the upper ends of the wooden legs F and F. The horizontal section of the frame is composed of two parallel bars, G and G, which are connected together at one end by a cross-bar, G', and at their opposite ends are connected to or with the vertical standards A and A in any desired manner. Suitable legs F and F are provided near the outer end of said horizontal frame, and furnish support for the same. Over the projecting end of each journal *d* of the upper roller D is fitted a strap, L, which latter, at such point, forms a half-box, *l*, and from thence extends downward outside of the lower journal *d*, where its sides are united, and connect with one end of a rod, *m*. The lower end of the rod *m* is hooked, and engages with a suitable eye, *n*, that is formed upon the upper end of a strap, N, which latter encircles a lever, O, near one end. From the strap N a plate, *n'*, extends along the upper side of the lever O to its end, near which said plate is provided with an opening or indentation that corresponds to and receives a stud or pin, *a'''*, which latter extends downward from a wing, *a''''*, that projects laterally outward from the standard A. The lever O extends forward and toward the lateral center of the frame, and is hinged at its end to or upon the end of a similar lever, O, which is, in a like manner, connected with the opposite side of the machine. From the hinged or joined ends of the levers O and O a cord, P, passes downward, and is secured to or upon one end of a treadle, Q, the opposite end of which rests upon the floor.

The operation of this machine is as follows: A tub of washed clothing is placed upon the horizontal portion of the frame, and its contents is passed outward between the rollers D and D, a crank, R, being attached to the journal of the lower roller for the purpose of operating the same. The necessary pressure

upon the clothing is produced by placing the foot upon the treadle Q and bearing downward, said treadle operating, through the levers O and O, rods M and M, and straps L and L, upon the upper roller.

The advantages possessed by my improved machine are, first, the combined strap and journal-box is simple, serviceable, and compact, and can be furnished at a less cost than where said parts are constructed separately; second, the construction and combination of the levers give to them great strength and lateral stability, and enable them to be stored in a small space, while, by combining the fulcrum-plate and rod-strap and constructing the same of cast metal, the durability of said parts are increased and their cost lessened.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

1. The vertical frame-section, consisting of

the standards A and A, cross-bar B, water-trough C, slots *a a a''* and *a''*, the sockets *a'* and *a'*, and the fulcrum-studs *a'''* and *a'''*, all constructed in one piece, substantially as and for the purpose specified.

2. The combined strap and fulcrum-plate N, *n*, and *n'*, constructed in one piece, substantially as and for the purpose shown.

3. The pressure-levers O and O, hinged together at their outer ends, as shown, in combination with the draw-rods M and M, and with the frame of the machine, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of July, 1874.

FRANCIS WAY.

Witnesses:

GEO. S. PRINDLE,
WILLIAM FITCH.