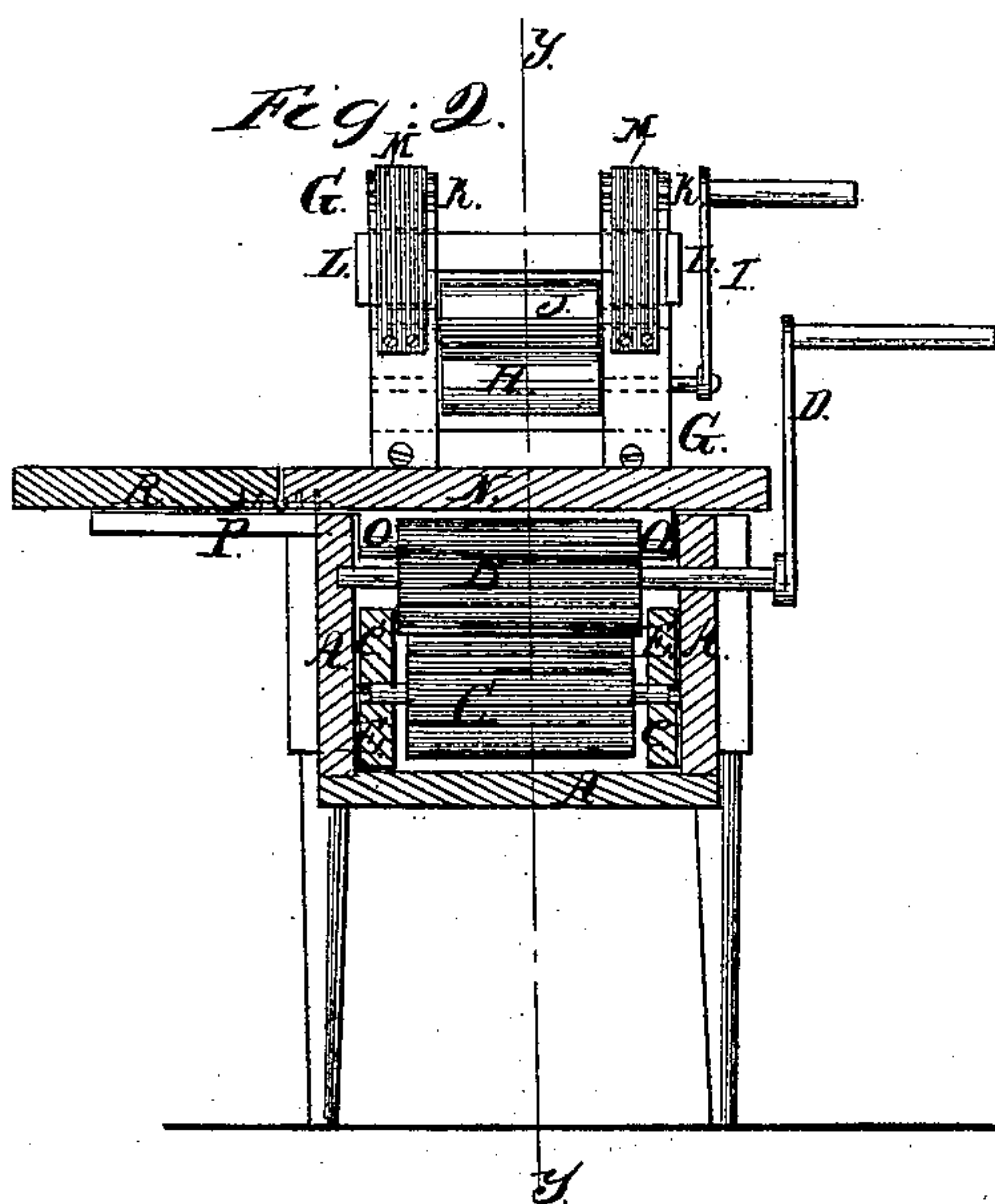
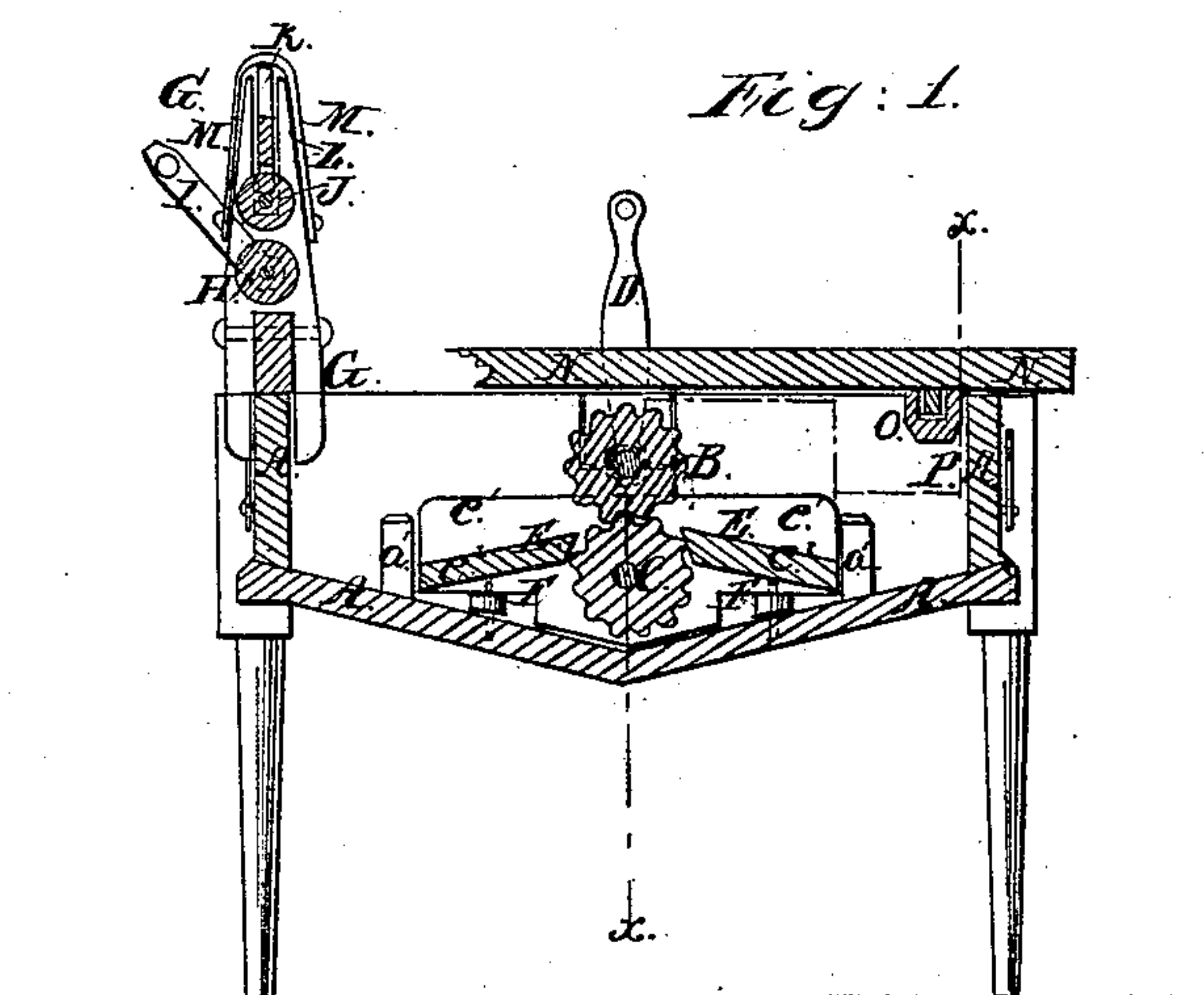


J. Whitney,
Washing Machine,
N^o 68,270, Patented Aug. 27, 1867.



Witnesses.
Thos Inseck
J. A. Service

Inventor:
 Jas Whitney
Per Munnell &
Attorneys

United States Patent Office.

JAMES WHITNEY, OF BRISTOL, VERMONT.

Letters Patent No. 68,270, dated August 27, 1867.

IMPROVED WASHING AND WRINGING MACHINE.

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, JAMES WHITNEY, of Bristol, in the county of Addison, and State of Vermont, have invented a new and improved Combined Washer, Wringer, and Table; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved machine, taken through the line *y y*, fig. 2, part of the table-leaf or cover being shown in place.

Figure 2 is a detail sectional view of the same, taken through the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved machine by which clothes may be washed quickly and thoroughly without wearing or tearing them, by which they may be conveniently wrung out when washed, and which, when not in use for washing purposes, may be used for a work-table. And it consists in the construction of the sliding-frame, in which the lower cylinder is pivoted, in the construction of the wringer, and in the combination of a table-leaf, constructed as described, with the box or tub; the whole being constructed and arranged as hereinafter more fully described.

A is the box or tub, which is made rectangular in form, and of such a length that there may be sufficient space at each end for the reception of the clothes to be operated upon, and which is supported upon legs of convenient length. B and C are grooved or fluted cylinders, the upper one, B, of which is stationary, and revolves in bearings in the sides of the box A. To the projecting end of one of the journals of the cylinder B is attached a crank, D, by which the machine is operated. The lower cylinder C is pivoted to the side timbers *e'* of the frame E, which slides up and down vertically in the central part of the tub, being kept in its proper relative position by cleats *a'* attached to the sides of the tub A. The frame E rests upon rubber or other springs F, made of such a material as will not corrode by the action of the water, said springs being kept in their relative positions by guide-pins passing through them, and entering holes in the side timbers *e'* of the frame E, as shown in fig. 1. This construction enables the rollers to adjust themselves to the thickness of the clothes passing between the cylinders. The side timbers *e'* of the frame E are connected to each other by the inclined timbers or aprons *e''*, which also act as guides to the clothes in passing to and from the said cylinders. G is the wringer, the lower edge of the frame of which is slotted to fit upon the edge of the box A, as shown in fig. 1. The lower roller H is stationary, and is revolved by means of the crank I, attached to the projecting end of one of its journals. The journals of the upper roller J revolve in slots in the upper part of the wringer-frame, and are held down by rubber springs, K or their equivalents, placed in the said slots, and the lower ends of which rest upon blocks L, which ride upon the journals of the said roller J. M are rubber or other elastic straps, the ends of which are secured to the sides of the wringer-frame, which pass over the upper edge of the said wringer-frame, and against which the upper ends of the rubber springs K press, as shown in figs. 1 and 2. By this construction the rollers H and J are enabled to adjust themselves to the thickness of the clothes passing between them, so as at all times to exert the necessary pressure. N is a removable top or cover fitting upon the top of the box A, and which is kept in place by the cleats O attached to its under side, and which are of such a length as to fit into the box A, as shown in fig. 2. The cleats O are perforated longitudinally, or have grooves formed in their upper sides for the reception of the sliding bars P, as shown in fig. 1. R is a leaf, the edge of which is hinged to the edge of the cover N, and which, when raised, is held in a horizontal position by the sliding bars P, as shown in fig. 2.

By this construction, when the machine is not in use for washing purposes, by removing the wringer G, and placing the cover N upon the box or tub A, the machine can be used as a work-table.

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

The combination of the tub A, sliding frame E, rubber springs F, fluted cylinder B C, wringers G, constructed as described, and the table-leaf N, R, O, and P, as herein set forth for the purpose specified.

Witnesses:

CHARLES B. WARNER,
HENRY C. SOPER.

JAMES WHITNEY.