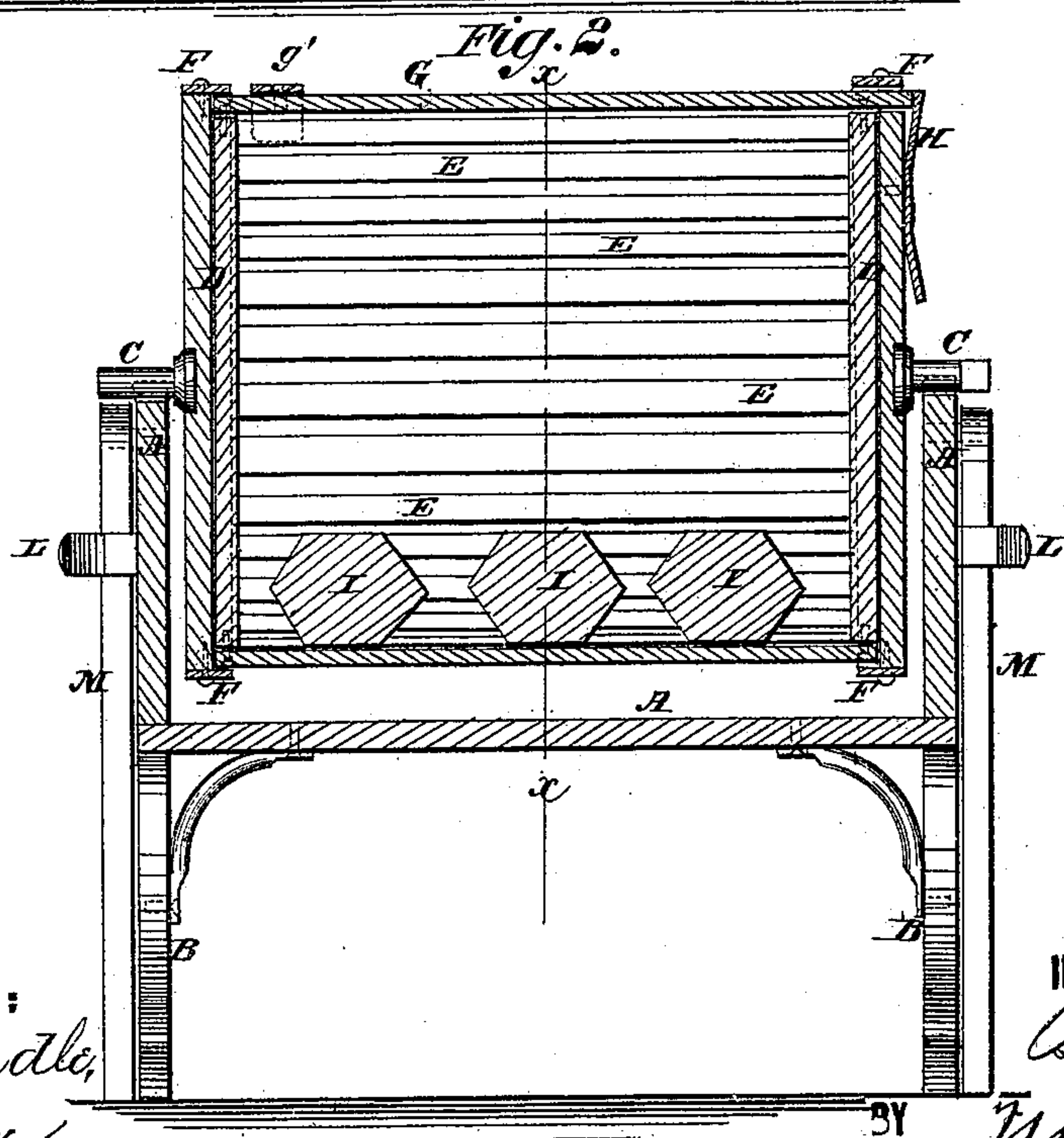
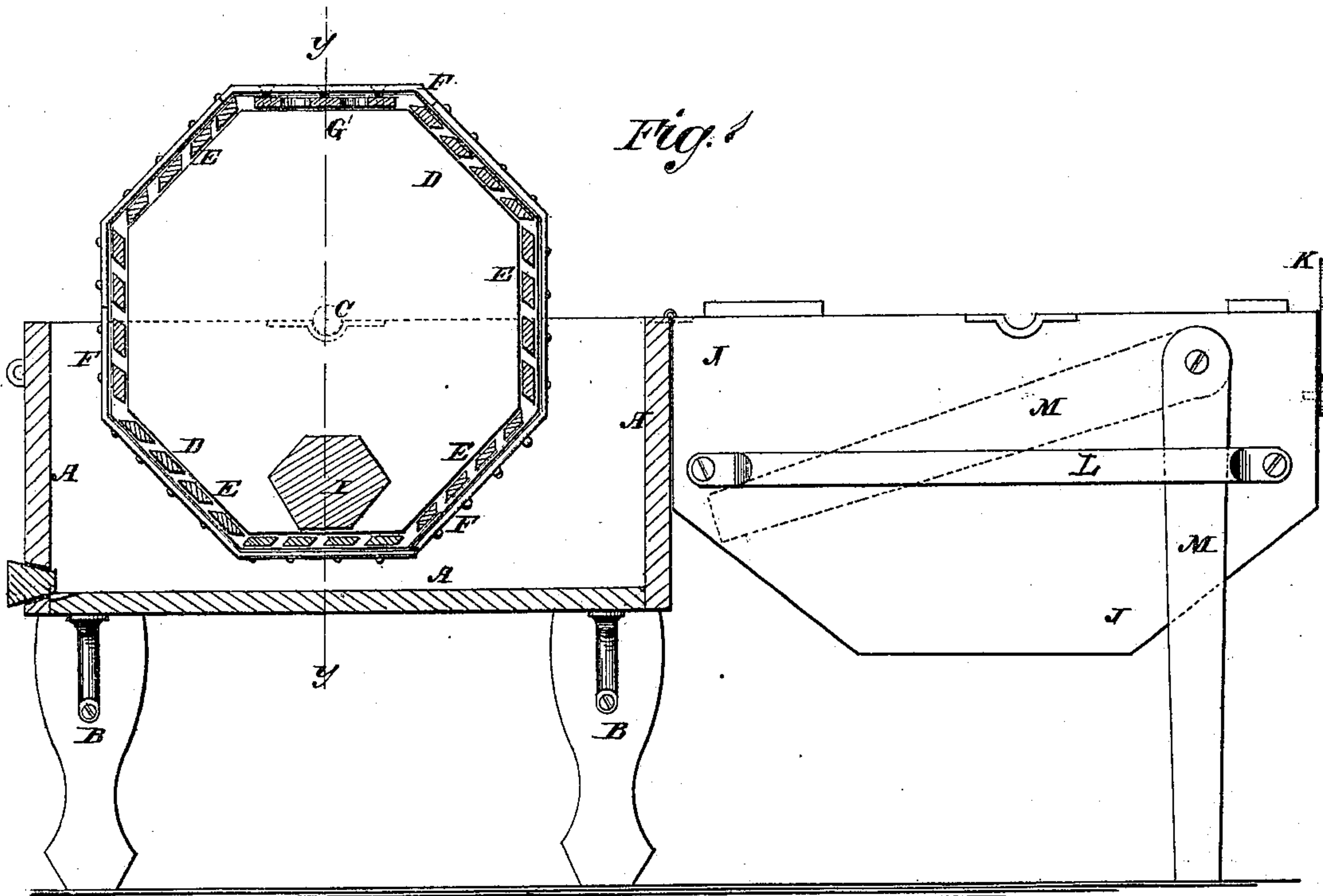


B. TARR.
 WASHING-MACHINE.

No. 174,747.

Patented March 14, 1876.



WITNESSES:
F. Mc Ardle,
Sturges

INVENTOR:

B. Tarr

BY *Wm. L. Tarr*
 ATTORNEYS.

UNITED STATES PATENT OFFICE.

BENJAMIN TARR, OF EVANSWOOD, WISCONSIN.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 174,747, dated March 14, 1876; application filed May 23, 1874.

To all whom it may concern:

Be it known that I, BENJAMIN TARR, of Evanswood, in the county of Waupaca and State of Wisconsin, have invented a new and useful Improvement in Washing-Machine, of which the following is a specification:

Figure 1 is a cross-section of my improved machine, taken through the line *x x*, Fig. 2, the cover being shown as turned back, and in end view. Fig. 2 is a vertical longitudinal section of the same, taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claims.

A is a rectangular box, which is made of any suitable size, according to the amount of washing to be done at a time, and which is supported upon legs B of such a length as to raise the machine to a convenient height. In bearings attached to the upper edges of the box A revolve the journals C, attached to the centers of the cylinder-heads D. The heads D are made of two thicknesses or layers of wood secured to each other, with the grain running in different directions to prevent warping. The heads D are made octagonal in form, and to seven of the eight faces of the inner layer of the heads D are attached wooden strips E, four to each face. The outer layer of the heads is made so much larger than the inner layer that its edges are flush with the outer sides of the strips E. The strips E are beveled upon their opposite or alternate angles, making the strips rhomboidal in cross-section, as shown in Fig. 1. The ends of the cylinder are strengthened by bands or hoops F of zinc, or other suitable sheet metal. The strips of the eighth face of the heads D are loose, are slipped in beneath the bands F, and are connected and held in their proper relative position by a metallic strap or band, *g'*, so as to serve as a door, G, for putting in and taking out the clothes. The door G is secured in place when closed by a button, H, pivoted to the head D in such a position that it may be turned up over its end, as shown in Fig. 2. In the cylinder D E F G are placed three, more or less, hard-wood polygonal blocks I of suitable size.

The blocks I may be made with six rectangular and eight triangular sides, or of other suitable form. The box A is provided with a closely-fitting cover, J, hinged at one edge to the edge of the box A, and secured when closed by a hook, K, or other convenient fastening. To the ends of the cover J are secured long keepers L, which serve as handles to the cover, and as guards or keepers to the legs M, which pass through them and are pivoted at one end to the ends of the cover J, as shown in Fig. 1, so that when the cover J is opened they may swing back to support the cover, as shown in Fig. 1, and when the cover is closed they may drop into the position shown in dotted lines in Fig. 1. The cylinder D E F G is revolved by means of a crank attached to one of its journals.

In using the machine the clothes to be washed are placed in the cylinder D E F G, a suitable quantity of soap and water is placed in the box A, and the said cylinder is revolved for a few minutes. The water should then be drawn off, and a supply of clean water introduced, and the cylinder again revolved for a few minutes. The cylinder should be placed nearer the forward side of the box A, so that a wringer may be attached to its rear side to allow the clothes to pass from the wringer into the cover J.

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

1. The combination, on the hinged cover J, of the long keepers L, with the legs M pivoted thereabove and near one end, as shown and described, so that the folding legs will be supported by the keepers, whether the cover is on the box A or not, in the manner specified.

2. The combination, with cylinder, of bands F, straps *g'*, and pivoted button H, all arranged substantially as set forth, to hold a door, G, detachably.

BENJAMIN TARR.

Witnesses:

HOLMES MACK,
J. H. DAVIS.