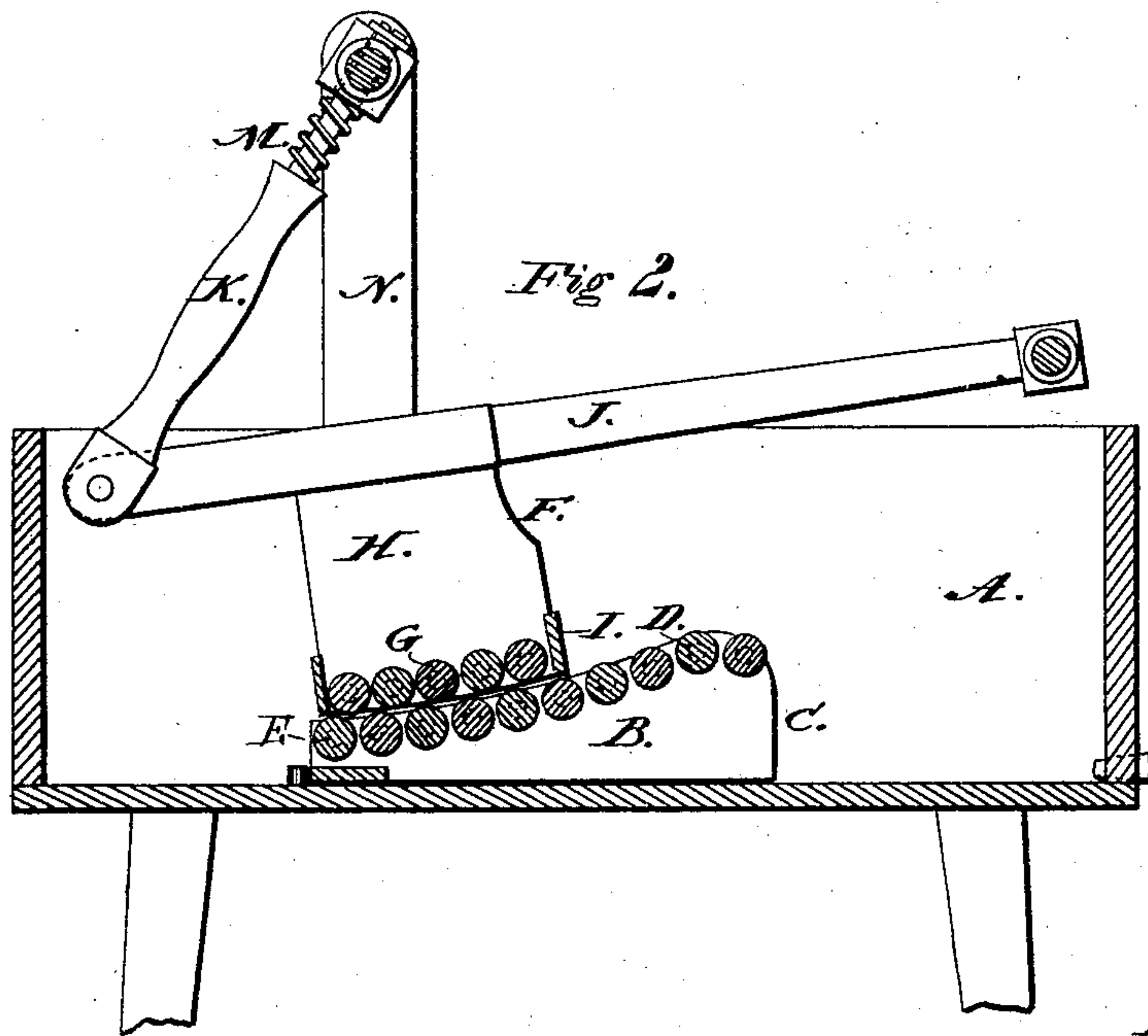
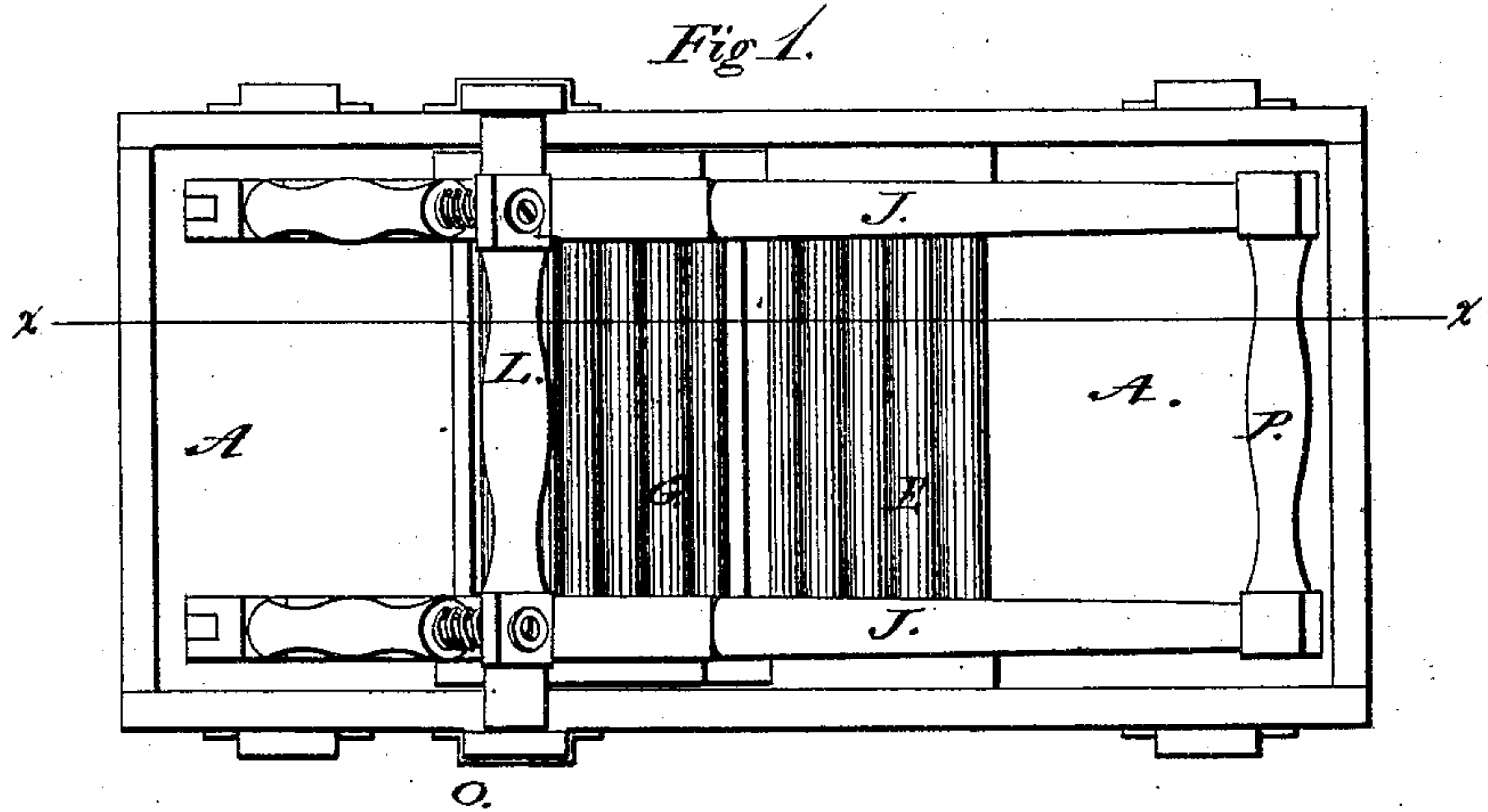


A. HAYNES.

Washing-Machines.

No. 133,985.

Patented Dec. 17, 1872.



Witnesses.

Edw. W. Dunn  
Milo Harris

Inventor.

Aaron Haynes



# UNITED STATES PATENT OFFICE.

AARON HAYNES, OF JAMESTOWN, NEW YORK.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 133,985, dated December 17, 1872.

*To all whom it may concern:*

Be it known that I, AARON HAYNES, of Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same.

Figure 1 is a plan view. Fig. 2 represents a view of a machine embracing my improvements.

In the accompanying drawing, A represents the tub or box, of an oblong form, supported upon legs secured by loops and sockets on the sides of said box. Within said box and upon the bottom is placed an inclined concave frame, consisting of two side pieces, B, secured at the narrow ends by a bar attached to the under sides of said pieces, and at the wide ends by a slat, C, standing edgewise, and attached to said pieces. In the upper edges of these pieces are secured, on gudgeons D, a series of rollers, forming a concave descending bed of rollers, E, as seen in Fig. 1. Immediately above the concave bed of rollers the rubber and presser F are arranged, which consists of a convex series of stationary rounds or rubbers, G, secured at each end in a board, H, of suitable construction to correspond with the concave bed of rollers D. On each side of said bed of rounds G is attached to the edges of the boards H a slat, I, the lower edge of which comes down a trifle below the rounds. The upper ends of the boards H are firmly attached to two shafts, J, which shafts, at the ends nearest to the boards H, are connected by flexible joints to the lower ends of two oscillating parallel arms K, the upper ends of which pass up through a rock-shaft, L. Under the

rock-shaft, around the upper parts of the arms, are placed spiral springs M. The rock-shaft L is secured at each end in a perpendicular standard N, which is secured to the box by two loops, O, and a screw through the standard between the loops. The shafts J are secured at the ends furthest from the presser by a round, P, which serves as a handle, by which the machine is worked.

The machine is worked thus: The operator takes hold of the handle P and raises the presser from the bed of rollers, and then places the clothes under the presser, upon the bed of rollers, and then brings down the presser upon the clothes, and gives any desirable pressure upon them, and then gives a few rubs upon the clothes, and then shoves or draws the clothes with the presser about the width of the presser, and then brings it to place again and proceeds as before. If desired to rub in soap, only bring the presser and clothes upon the highest part of the bed of rollers, which should be out of water.

Having thus described my invention, I claim—

The combination of the tub A and sockets and detachable legs with the bed of rollers E, rubber G with slat I and board H, standard N, shaft L, spring M, arms K, shafts J, and round P, all arranged as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of October, 1872.

AARON HAYNES.

Witnesses:

MILO HARRIS,  
C. A. NEWTON.