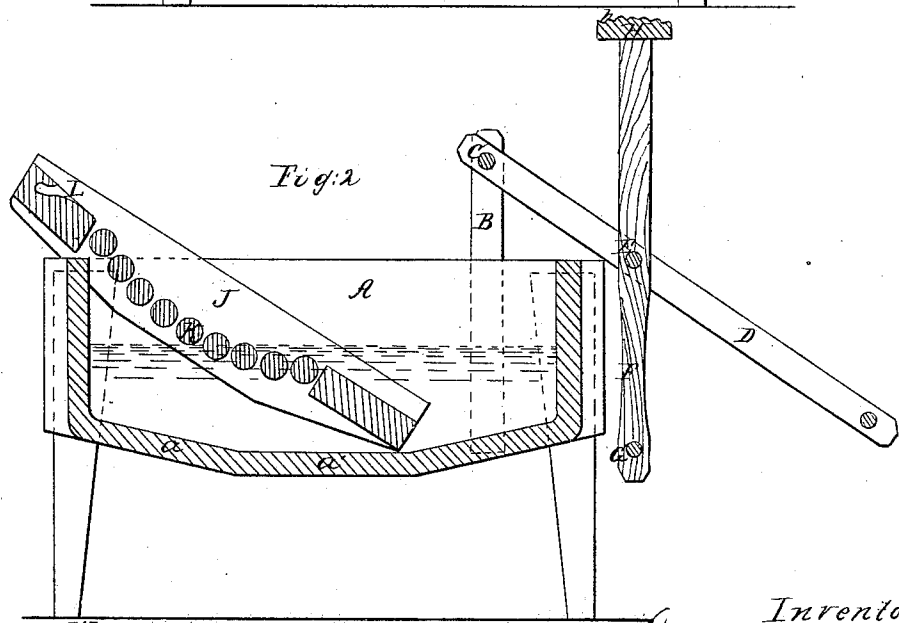
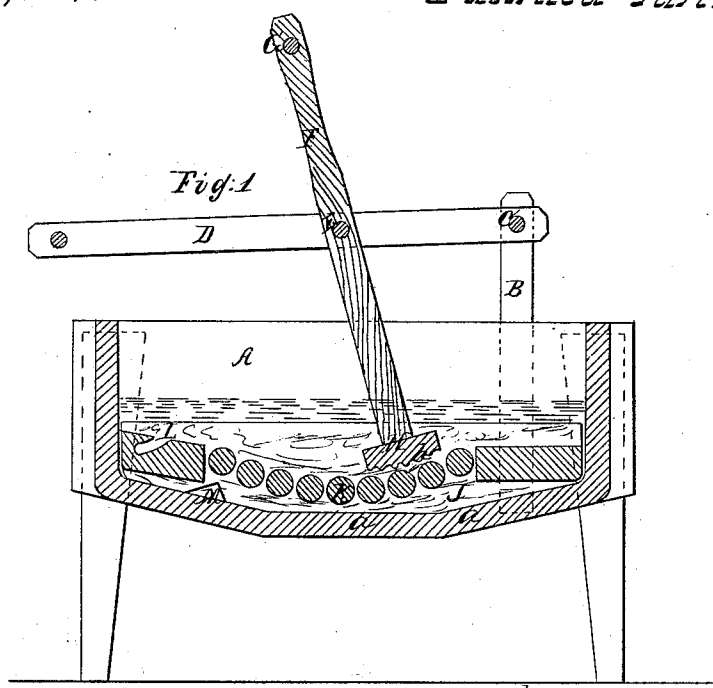


J. B. Kinney,

Washing Machine,

N^o 60,907.

Patented Jan. 1, 1867.



Witnesses
S. H. Layman
Samuel Knight

Inventor
John B. Kinney
By Knight Bros
Attorneys

United States Patent Office.

JOHN B. KINNEY, OF YELLOW SPRINGS, OHIO.

Letters Patent No. 60,907, dated January 1, 1867

IMPROVED WASHING MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, JOHN B. KINNEY, of Yellow Springs, Greene county, Ohio, have invented a new and useful Washing Machine; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

This is an improvement in the class of washing machines in which the clothes are operated between a stationary corrugated surface within the tub and a vibrating rubber.

Figure 1 is a transverse section of my machine with the parts in position for ordinary use.

Figure 2 is a similar section with the corrugated bottom elevated and resting upon one end of the machine, so as to stand partly out of the water and be usable either in conjunction with the machine's rubber or as an ordinary wash-board.

The tub or receptacle A is a rectangular box whose bottom is slightly dished, *a*, toward a depressed middle portion, *a'*. Two standards B, of which one only is shown in the drawing, afford journal bearing for a horizontal shaft, C, which supports one end of a lever, D, which lever, at a point about vertically over the tub's centre, affords journal bearing for the shaft E of a second lever, F, having near its upper end a handle, G, and at its lower end a rubber, H, whose corrugations, *h*, are arranged in an arc concentric with the shaft E. Formed to fit snugly on the bottom of the tub is a wash-board, J, having a series of rollers, K, arranged in an arc concentric with the shaft E and the corrugations *h*. A handle, L, in one end of the wash-board enables it to be lifted to the position shown in fig. 2, a notch, M, enabling the board to rest securely in said position.

For the major portion of the washing the board may lie at the bottom of the tub, as seen in fig. 1, but for the washing of some special portion or article under the eye of the operator, the board may be elevated to the position shown in fig. 2, when it may be used either in conjunction with the rubber H or by ordinary washing by hand. In use the rubber is vibrated by one hand, while the other hand is employed through the instrumentality of the lever D to give a less or greater pressure to the rubbing surfaces. When not required for immediate use the rubber may at any moment be thrown back entirely out of the way, as in fig. 2.

I claim herein as new, and of my invention—

The arrangement of compound lever D F, vibrating rubber H, and shiftable bottom or wash-board J, the whole being constructed and adapted to operate as set forth.

In testimony of which invention I hereunto set my hand.

JOHN B. KINNEY.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.