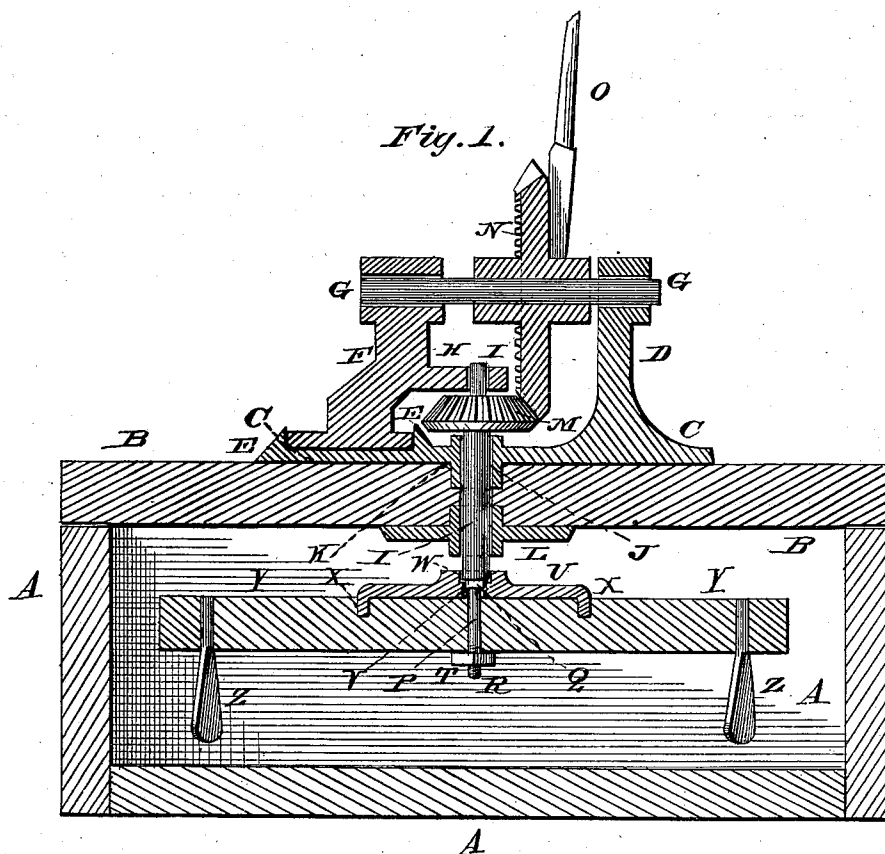


(No Model.)

J. FOX.
WASHING MACHINE.

No. 254,206.

Patented Feb. 28, 1882.



WITNESSES

Ad. G. Dietrich,
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UNITED STATES PATENT OFFICE.

JOHN FOX, OF OSKALOOSA, IOWA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 254,206, dated February 28, 1882.

Application filed December 15, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN FOX, of Oskaloosa, in the county of Mahaska and State of Iowa, 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 invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

The drawing represents a vertical sectional view of my improved washing-machine.

This invention relates to washing-machines; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawing hereto annexed, A represents the tub or suds-box of my improved washing-machine. B is the lid or cover of the same, which supports the gearing by which the oscillating beater-frame is operated. The construction and arrangement of said gearing are as follows:

C is a base-plate, which may be secured upon the cover B by means of bolts, or in any suitable manner. Plate C is provided with an upright or bracket, D, located near one end of said plate, which is provided near its other end with two transverse ribs, E E, between which another upright or bracket, F, may be secured in any suitable manner. The brackets D and F are provided at their upper ends with bearings for a horizontal shaft, G. The detachable upright or bracket F is provided with a horizontal or laterally-projecting arm, H, forming the upper bearing for a vertical shaft, I, journaled in a perforation, J, in plate C, surrounded by an upward and downward projecting flange or collar, K. An additional bearing for shaft I is formed by a collar-plate, L, bolted or otherwise secured upon the under side of the lid or cover B. The shaft I carries at its upper end a pinion, M, engaging a gear-wheel, N, mounted upon the horizontal shaft G, and provided with a handle, O, by means of which it may be oscillated or rocked to and fro, thus imparting an oscillating motion to the shaft I and to the beater-frame carried

by said shaft, as will be presently described. Shaft I has its lower end reduced in diameter, as shown at P, and at a point just above the reduced portion and just below the collar-plate L it is squared, as clearly shown at Q. Its lower end is threaded, as at R, to receive a nut, T.

U is a clutch-plate, consisting of a suitably-shaped metallic plate having a centrally-located square opening, V, fitting upon the square portion of shaft I, and surrounded on its upper side by a recess, W, fitting around the unreduced portion of said shaft immediately below the collar-plate L. The ends of plate U have downward-projecting lugs X, fitting in recesses in the upper side of the beater-frame Y, which consists of a suitably-constructed wooden frame having downward-projecting pegs Z, which, when the machine is operated, serve to beat and agitate the clothes in the suds-box or tub A. Said frame, as shown in the drawing, is adjusted upon the lower end of shaft I, where it is held in position by nut T and prevented from turning by the clutch U.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the drawing hereto annexed. The driving-gear and beater-frame are, it will be observed, attached to the cover, so as to be readily removed with the latter from the tub or suds-box; or the cover may be hinged to said box so as to be easily raised, with its attachments, to a tilted position; and the said beater-frame and driving-gear may be readily adjusted or detached, when desired, for convenience in shipment or storage.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The base-plate C, having upright D, and provided with transverse ribs E E, between which a detachable upright, F, may be secured, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN FOX.

Witnesses:

M. J. L. Fox,
BEN MCCOY.