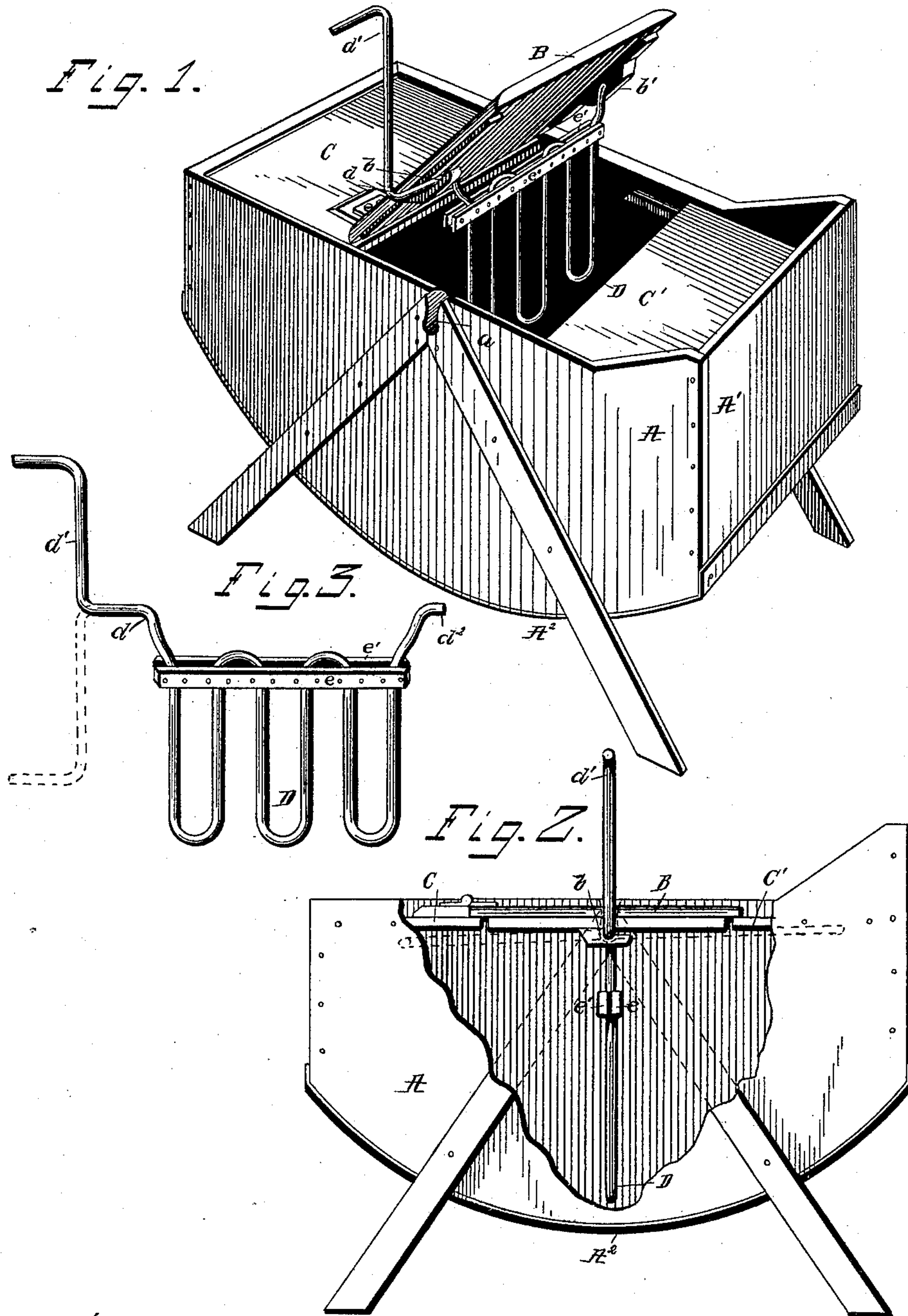


(No Model.)

O. G. NEWTON.  
WASHING MACHINE.

No. 391,913.

Patented Oct. 30, 1888.



WITNESSES.  
M. A. Barnes.  
Sarepta Specht.

INVENTOR.  
Obadiah G. Newton,  
By R. B. & A. Lacey,  
Attys.



# UNITED STATES PATENT OFFICE.

OBADIAH G. NEWTON, OF TRENTON, MISSOURI, ASSIGNOR OF ONE-HALF TO  
ERASMUS W. ALLEN, OF SENECA, KANSAS.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 391,913, dated October 30, 1888.

Application filed April 19, 1887. Serial No. 235,386. (No model.)

*To all whom it may concern:*

Be it known that I, OBADIAH G. NEWTON, a citizen of the United States, residing at Trenton, in the county of Grundy and State of Missouri, have invented certain new and useful Improvements in Washing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specifica-  
15 tion.

This invention relates to washing-machines, and has for its object the production of a simple, compact, and efficient machine, and one that is composed of few parts and is easily managed and is not liable to get out of repair.

20 The improvement consists in having combined with the suds-box a vibrating dasher of peculiar construction, removably journaled to the hinged cover which closes the opening through which the clothes are passed into the  
25 suds-box, and which in operation moves the clothes through the suds-water and presses them between the top of the suds-box and the dasher at the end of each vibration.

The improvement further consists in the novel features hereinafter more fully described, claimed, and shown in the annexed drawings, in which—

Figure 1 is a perspective view of a washing-machine embodying my invention, showing the  
35 cover partially opened; Fig. 2, a side view, parts broken away, showing the operation of the dasher by dotted lines; and Fig. 3, a front view of the dasher detached.

The suds-box is of ordinary construction, and  
40 is composed of the sides A, the ends A', the bottom A'', the hinged cover B, the top pieces, C and C', and the legs A''. The vibrating dasher is journaled in bearings b and b', secured to the under side of the hinged cover B.

45 One of the journals, d, is extended beyond the bearing b and projects a sufficient distance, so the crank d' will clear the side of the suds-box adjacent thereto, which side is provided with the notch a in its upper edge to receive the

journal when the cover is closed. The end of 50 the bearing b is removed, as shown, so that the dasher can be readily removed and placed in position. When the cover is closed, the journal d, entering the notch a, prevents the accidental displacement of and holds the dasher in the 55 bearing b. It is composed of a single wire or rod bent in a series of folds or loops, D, which are held together at one end by the clamp composed of two bars, e e', bolted together and having the upper ends of the folds held be- 60 between them. The ends of the rod or wire are extended upward and are bent outward, forming the journals d and d' and the crank d'.

In practice hot suds-water is placed in the suds-box with the articles to be washed, and 65 the cover, with the dasher in position, is closed down. A to-and-fro movement of the crank imparts a corresponding movement to the dasher. The cover partially overlaps the top C', and the dasher at each movement lifts the articles 70 out of the suds-water and presses them between it and the top and draws the cover down close. When the cover is opened, it withdraws the dasher from the suds-box, and it may be detached from the cover or folded upon the 75 same, so as to be out of the way.

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

1. The combination, with the suds-box hav- 80 ing a notch in the upper edge of one of its sides, and the cover having bearings, one of said bearings having its end open, as shown, of the dasher journaled in the bearings and held in the open bearing by having the journal 85 fitted in the notch of the suds-box, substantially as set forth.

2. The combination, with the wire or rod having a series of folds between its ends, which ends are extended, forming the journals and 90 the crank, of the clamp-bars applied to the ends of the folds, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

OBADIAH G. NEWTON.

Witnesses:

W. P. THOMAS,

R. A. COLLIER.