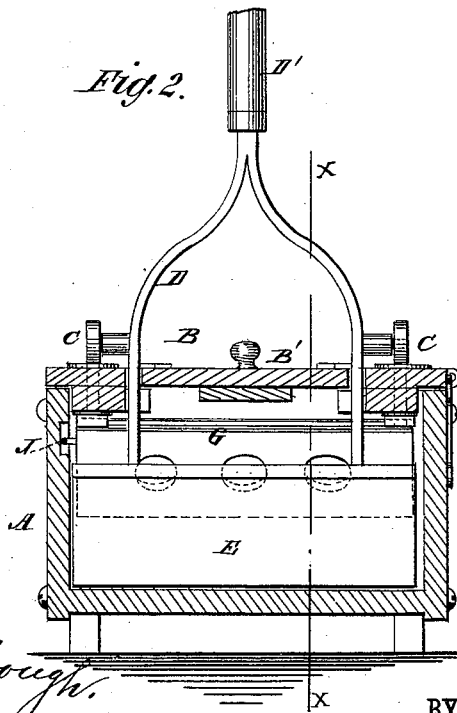
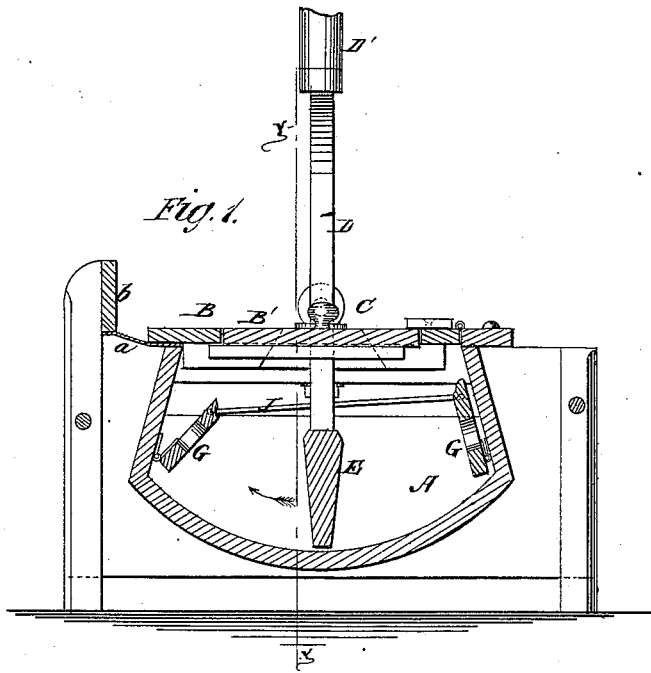


C. H. HORNE.  
Washing-Machine.

No. 200,455.

Patented Feb. 19, 1878.



WITNESSES:  
*Francis McArdle,*  
*J. H. Scarborough.*

INVENTOR:  
*C. H. Horne.*  
BY *[Signature]*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHARLES H. HORNE, OF BERWICK, MAINE.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **200,455**, dated February 19, 1878; application filed June 30, 1877.

*To all whom it may concern:*

Be it known that I, CHARLES H. HORNE, of Berwick, in the county of York and State of Maine, have invented a new and Improved Washing-Machine, of which the following is a specification:

This invention relates to washing-machines of that class wherein a vibrating dasher is applied in a tub the bottom of which is the arc of a circle.

The nature of my invention consists in combining with a vibrating dasher two vibrating boards, which are located at the ends of the tub, and connected together by a rod let into a groove in oneseide of the tub, as will be hereinafter explained.

My object is to cause the fabrics in the tub to turn over after each blow given to them by the dasher, thereby causing them to present new surfaces to the dasher at each stroke thereof.

In the annexed drawings, Figure 1 is a vertical section taken longitudinally through the machine in the plane indicated by line *x x*, Fig. 2. Fig. 2 is a vertical section taken transversely through the machine in the plane indicated by line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The letter A designates the tub or box, the bottom of which is concave, the sides vertical, and the ends inclined inward, as shown. This box is provided with a hinged cover, B, the free end of which rests upon an inclined plate, *a*, which extends as far as a shield, *b*. This will prevent water from being dashed upon the floor while washing. Cover B is held down by means of hooks, and through the center of it is a hole, that is closed by a removable door, B', for affording access to the interior of the tub without raising the cover.

C C are two eye-bearings, which are rigidly secured to the cover B, and receive the ends of a bifurcated lever, D, which is provided with a handle, D', and has secured to its lower ends a tapered dasher, E. Long slots are made through the cover B, to allow the dasher to be vibrated from one end to the other of the tub.

G G are two boards, which are perforated, and hinged by their lower edges to the inclined ends of the tub, as shown in Fig. 1. The upper ends of these hinged boards G G are connected together by means of a rod, J, which is pivoted to them and arranged in a groove made in one side of the box A. (Shown in both figures of the drawing.)

When articles to be cleansed are put into the box A on opposite sides of the dasher E, this dasher is then vibrated, so as to alternately beat and squeeze the fabrics against the boards G G. When the dasher strikes the fabrics against the board on one side of it, the board on the opposite side of it is suddenly drawn forward and downward, thus throwing over the fabrics. This rotation of the fabrics continually presents new surfaces to be acted on by the dasher, which not only thoroughly but rapidly cleanses them.

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

The combination, with tub A, of the lever D D', journaled in eyes C C on cover B, and the hinged boards G G, unattached to said lever, but connected together by a rod, J, as shown and described.

CHARLES H. HORNE.

Witnesses:

CHESLEY G. SPINNEY,  
L. W. PEUL.