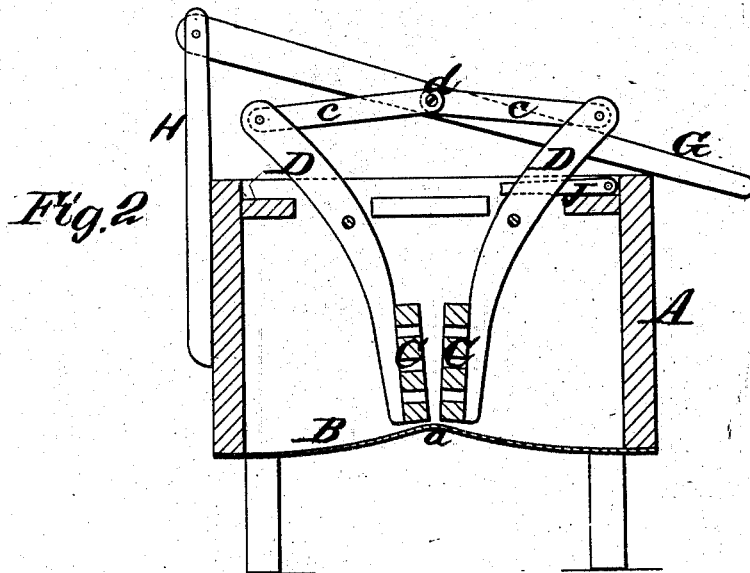
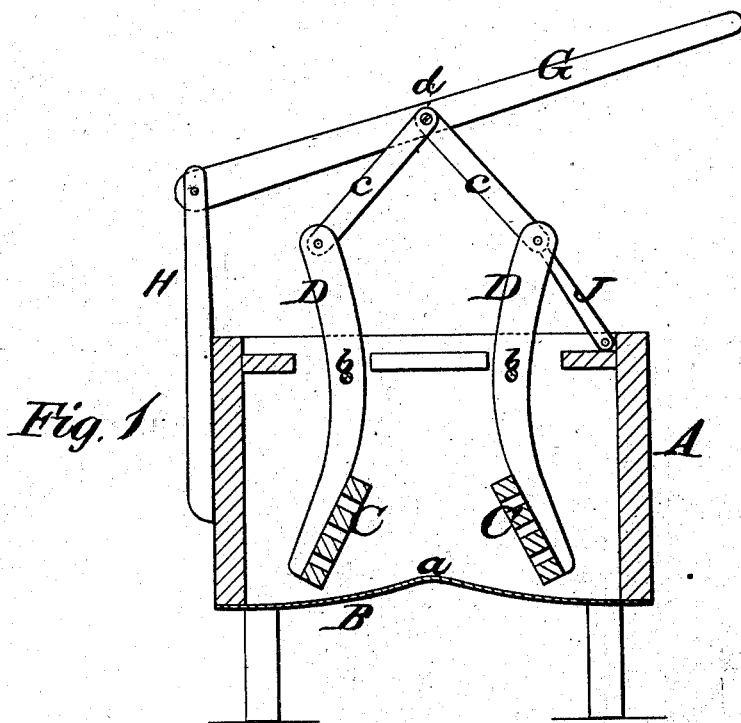


T. L. PEIRCE.  
WASHING-MACHINE.

No. 185,574.

Patented Dec. 19, 1876.



WITNESSES

*W. F. Atkey*  
*George E. Upham.*

INVENTOR,

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ATTORNEYS

# UNITED STATES PATENT OFFICE.

THOMAS L. PEIRCE, OF UNION, IOWA.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **185,574**, dated December 19, 1876; application filed June 10, 1876.

*To all whom it may concern:*

Be it known that I, THOMAS L. PEIRCE, of Union, in the county of Hardin and State of Iowa, have invented a new and valuable Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The figures of the drawing are a representation of central vertical sections, one with the lever elevated, and the other with the lever depressed.

This invention has relation to washing-machines; and the nature of my invention consists in vibrating beaters having arms rising from them, in combination with toggle-joints and a hand-lever, as will be hereinafter explained.

In the annexed drawing, A designates the box in which the washing is done, and B is the double concave bottom thereof, which rises in the form of a ridge at *a*. C C designate perforated beaters, which are secured to curved arms that vibrate on rods *b b*, secured to the sides of the box A. The two arms D

D are the longest of the four, and are curved, as shown in the two figures, 1 and 2. The upper ends of these arms D D are pivoted to the lower ends of toggle-joints *c c*, the upper ends of which are connected by a single pivot, *d*, to a hand-lever, G. This hand-lever has its fulcrum on the upper end of a standard, H, rising from one side of the wash-box. J designates a prop, which is pivoted at one corner of the wash-box, and which, when it is adjusted as shown in Fig. 1, will hold apart the beaters C C, for the purpose of introducing fabrics between them.

What I claim as new, and desire to secure by Letters Patent, is—

In a washing-machine having a double concave bottom, B, and perforated beaters C C, the arms D D and toggle-levers *c c*, combined with the hand-lever G, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS L. PEIRCE.

Witnesses:

F. BARNES,

B. ALBERTSON.