

W. M. Doty,
Washing Machine,
No 43,483, *Patented July 12, 1864.*

Fig. 1.

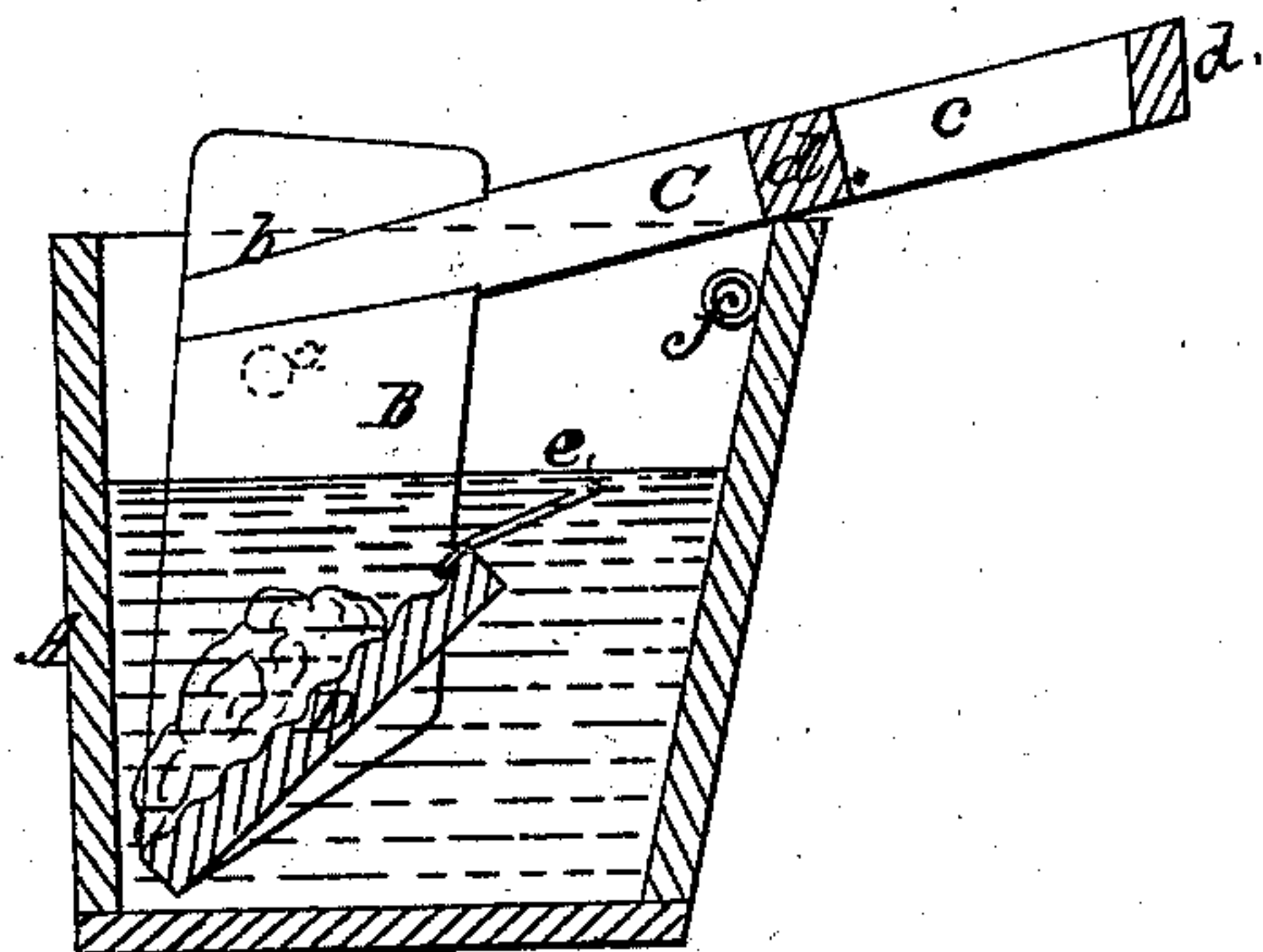


Fig. 2.

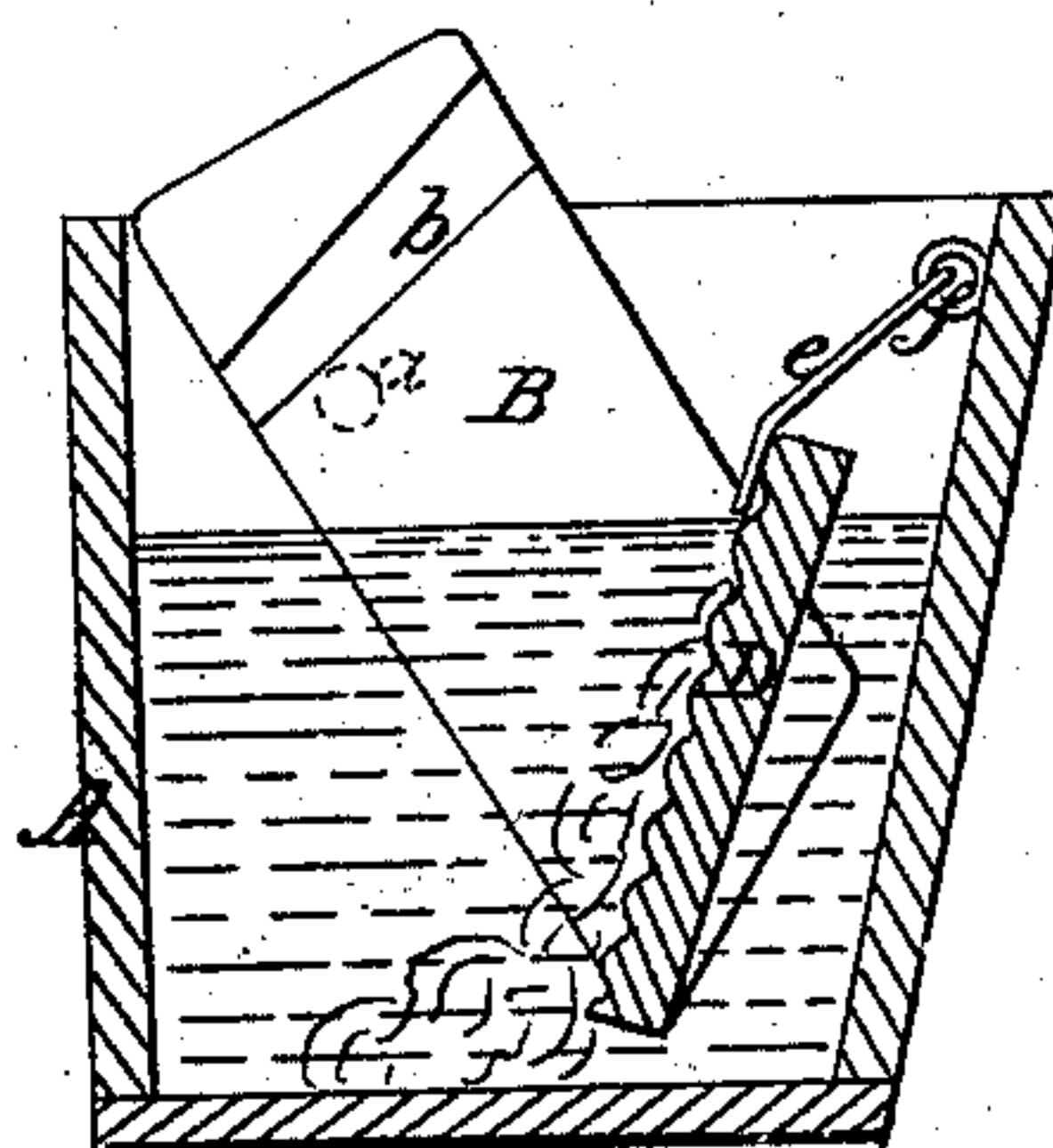
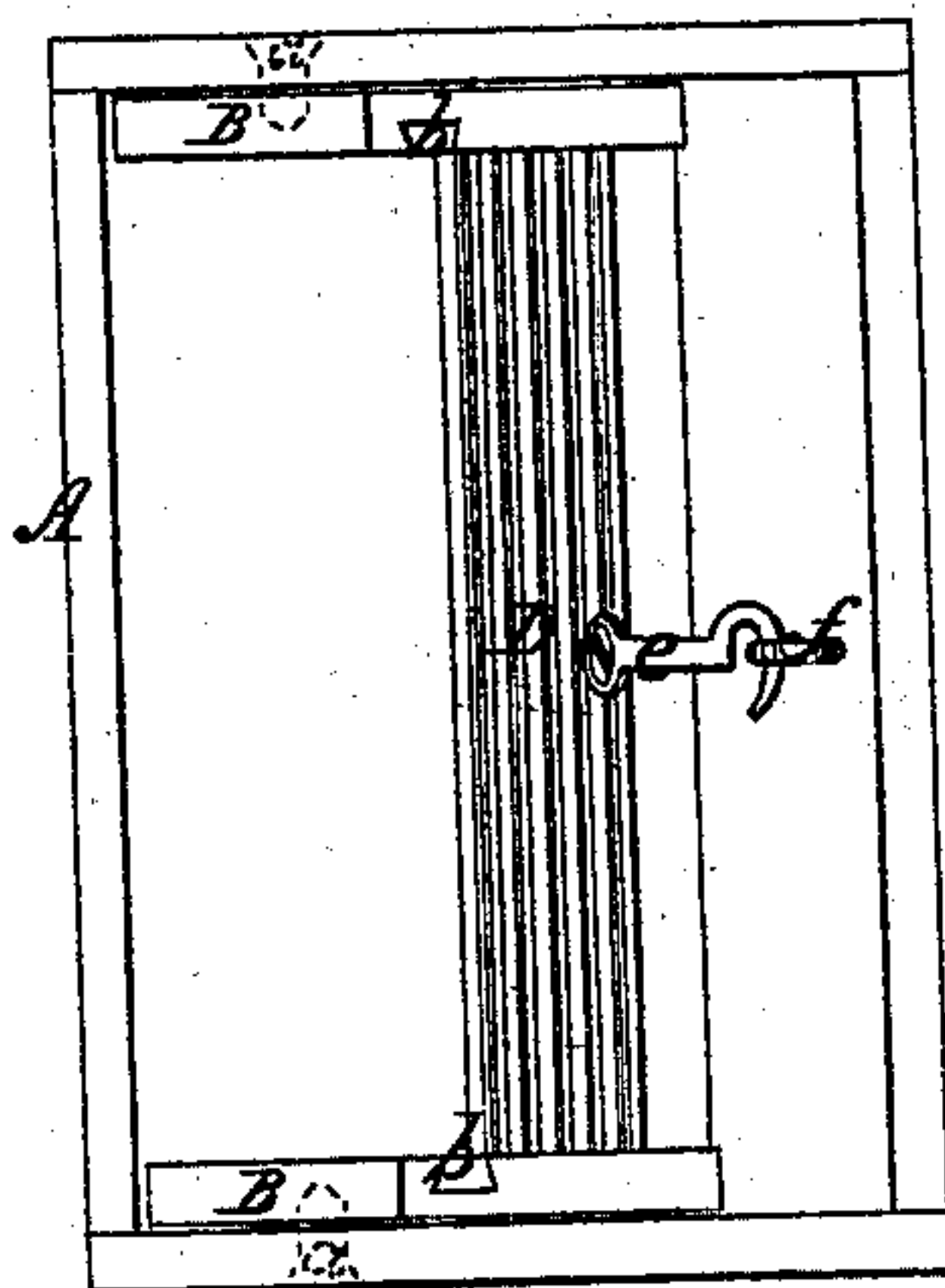


Fig. 3.



Witnesses:

Thos H. Dingley
Geo W Reed

Inventor:

Wm M Doty

UNITED STATES PATENT OFFICE.

WILLIAM M. DOTY, OF NEW YORK, N. Y.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 43,483, dated July 12, 1864.

To all whom it may concern:

Be it known that I, WILLIAM M. DOTY, of the city, county, and State of New York, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a transverse vertical section of my invention when arranged for machine-washing. Fig. 2 is a similar section of the same when arranged for hand-washing. Fig. 3 is a plan or top view of the same.

Similar letters of reference in the three views indicate corresponding parts.

The object of this invention is a mechanism for washing which can be readily introduced into the stationary wash-tubs which are usually made of marble or other suitable material and permanently fixed in those rooms or apartments in which the washing is to be accomplished, said mechanism being provided with a dash-board, which can be used for pounding or pressing the clothes, or which can be fastened in such a position that it can be conveniently used in place of the ordinary wash-board.

The nature of my invention and its peculiar advantages will be readily understood from the following description.

A represents a tub, made of marble or other suitable material, and intended to be permanently fixed in the room or apartment in which the washing is to be performed. This tub is provided with two pendent arms, B, which are secured to the ends of the tub by means of pivots *a*, which may either be made to pass through the ends of the tub or suitable brackets might be fastened to the tub to form the bearings for the pivots *a*. The upper ends of the arms B are furnished with dovetailed sockets *b*, to receive and retain the hand-lever C, which serves to impart motion to the dash-board D. The hand-lever C is composed of two longitudinal bars, *c*, which are connected by cross-bars *d*, and it is fitted into the sockets *b* so that it can easily be inserted or with-

drawn, as may be desired. The dash-board D is firmly connected to the arms B, and it is set in an inclined position, as clearly shown in Fig. 1 of the drawings, so that the same, when it is brought down, compresses the clothes between its lower edge and the side of the tub, and at the same time, by the action of the inclined dash-board, the clothes are turned over and over automatically, and every part of the same is exposed to the action of the water and of the dash board itself. The upper part of said dash-board is corrugated, similar to an ordinary hand wash-board, and it is provided with a hook, *e*, so that it can be fastened to a loop, *f*, inserted into the inside of the tub, as clearly shown in Fig. 2 of the drawings. If the dash-board is secured in this position and the hand-lever removed, said dash board can be used as an ordinary hand wash-board, or, if it is desired to have the unobstructed use of the tub, the entire washing mechanism is taken out by removing the pivots *a*. By these means the washing of clothes can be effected in a stationary wash-tub either by the action of the pressure-board or in the ordinary manner of hand-washing, or the tub can be used independent of the washing mechanism, like an ordinary tub. The full benefit of the washing-machine can thus be obtained without the necessity of having a separate tub, which is in the way during the whole time when no washing is to be done.

My mechanism is exceedingly simple in its construction. It can be readily inserted into or removed from a stationary tub, and by taking out the handle it can be used for ordinary hand-washing.

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

The combination of the pivoted oscillating arms B, inclined dash-board D, removable hand-lever C, and stationary tub A, all constructed and operating in the manner and for the purposes herein shown and described.

WM. M. DOTY.

Witnesses:

THOS. L. J. DOUGLAS,
GEO. W. REED.