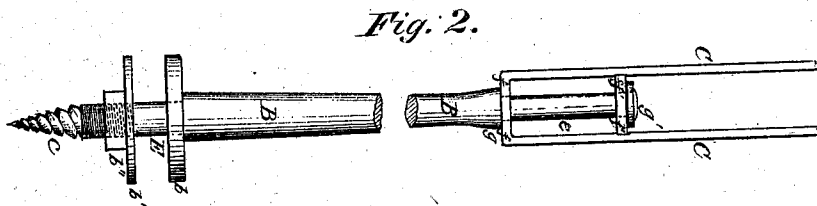
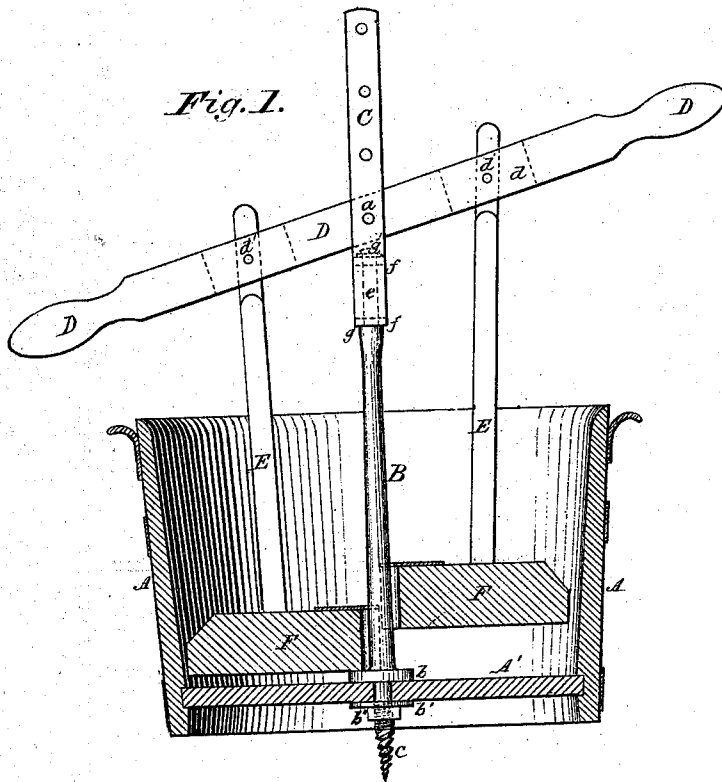


M. P. Flanders,

Washing Machine.

No. 105,444.

Patented July 19, 1870.



Witnesses:
John F. Finell,
H. L. Sherwood

Inventor:
Martin P. Flanders
By his attorney
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United States Patent Office.

MARTIN P. FLANDERS, OF JAY, NEW YORK.

Letters Patent No. 105,444, dated July 19, 1870.

IMPROVED WASHING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, MARTIN P. FLANDERS, of the town of Jay, in the county of Essex, in the State of New York, have invented certain Improvements in Washing-Machines, of which the following is a specification.

The object of this invention is to introduce to the public a cheap and durable machine, that is easily worked, not liable to get out of repair, and, if out of order, is easily put in repair again; A machine that can be securely attached to and held in place upon a bench or floor, and that can be brought in such contact with the clothes or other things being washed that every part of all the articles being washed will be acted upon by the operating devices; and

It consists in the construction of a center spindle and swivel, with its attachments, in such manner as to accomplish the object above-stated.

In the drawings—

Figure 1 is an upright sectional view of the machine, and

Figure 2 is an enlarged view of the center spindle, swivel, and holding devices.

A represents a vessel or common wash-tub, having a bottom, A'.

B is the center spindle, and is securely attached to bottom A' of tub A, by means of a screw-bolt at the lower end, which is of less diameter than the spindle, and passes through the supporting-washer *b*; on the upper side of the bottom A', through the bottom A' and washer *b'*, where nut *b''* is screwed on to a thread on the spindle B firmly against washer *b'*, which holds the spindle firmly in an upright and central position in the tub A.

Below the screw-thread that nut *b''* screws into, and extending below the bottom ends of the staves that form the sides of the tub A, is a pivoted screw, *c*. The purpose of this extended screw *c* is, that after the center spindle is firmly attached to the tub A, as above described, the screw can, by turning the tub, be made to enter into the top of a bench, plank, or floor, so that the machine, when in operation, will not be moved from its place, and remain firm in its position until intentionally detached from the floor or bench.

At a suitable height above the bottom A' of the tub or vessel, on center spindle B, is a shoulder, *g*, and above that a swivel-pin, *e*, is formed, and in such manner that the yoke or swivel C, having the bottom *f* and cross-piece *f'*, may be placed thereon and secured by a washer and head, *g'*.

Inserted between the two arms of swivel C is a

hand-lever, D, pivoted centrally to the arms C at *a*. This hand-lever D can be adjusted to different heights by changing the pivot-pin in the arms C to any desired point.

On either side of the center or pivoted point of lever D are mortises, *d*, in which are placed and pivoted therein, at *d'*, the upper ends of uprights E E.

The uprights E E are firmly attached at their bottom ends to the heads or pressers F F, and by which the heads or pressers are alternately raised and forced downward, and, in order to bring the heads or pressers to act upon all the clothes, and at all points of the vessel or tub, the hand-lever, with the swivel-yoke C, turns freely around on swivel-pin *e*, so that the pressers or heads will be brought into contact with all parts of the vessel or tub and the articles to be washed therein.

The operation of the machine is as follows :

After it has been made fast to a bench, plank, platform, or floor, by turning screw *c* into the same, the hand-lever placed in and pivoted to swivel C, the uprights E E, with the heads or pressers attached in place, the hand-lever is raised at one end, which raises the head on that side, and forces the other head or presser down, when the raised end of the lever is, in turn, forced down, and with it the head or presser on that side, and, as the lever is continued in such motion, the pressers or heads F F act alternately to press the water from the clothes in the vessel or tub, which motion is continued until the clothes or articles in the vessel or tub are properly cleansed.

By this machine the clothes are speedily washed, and by such motion that no wear upon the most delicate fibrous structure is perceived, no buttons rubbed off, or the substance of the material washed away, as the dirt is expelled with the water by pressure.

Having thus described my invention,

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

1. The pivoted screw *c* on the lower end of spindle B, when attached to and in combination with a washing-machine, in the manner and for the purpose described.

2. The center spindle B, with swivel-pin *e*, in combination with the swivel-yoke C, lever D, uprights E E, heads or pressers F F, and vessel A, constructed and arranged to operate in the manner described.

MARTIN P. FLANDERS.

Witnesses:

T. D. TRUMBULL,
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