(No Model.)

H. F. BRAMMER.

WASHING MACHINE MOTOR.

No. 590,252. Patented Sept. 21, 1897.

Fig. 1.

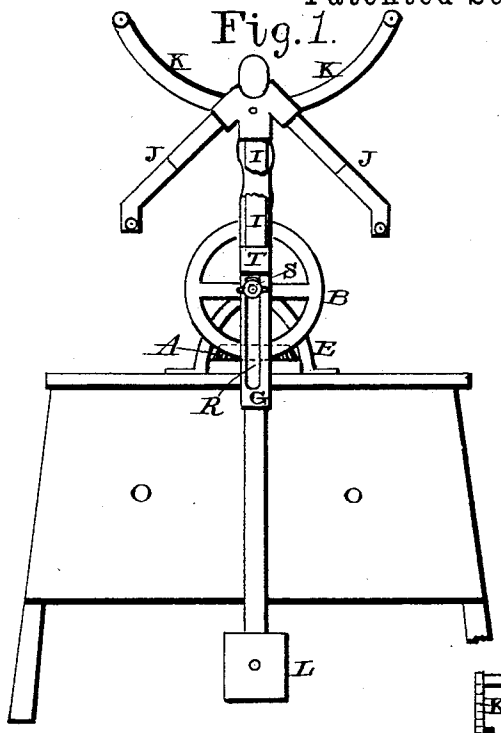


Fig. 2.

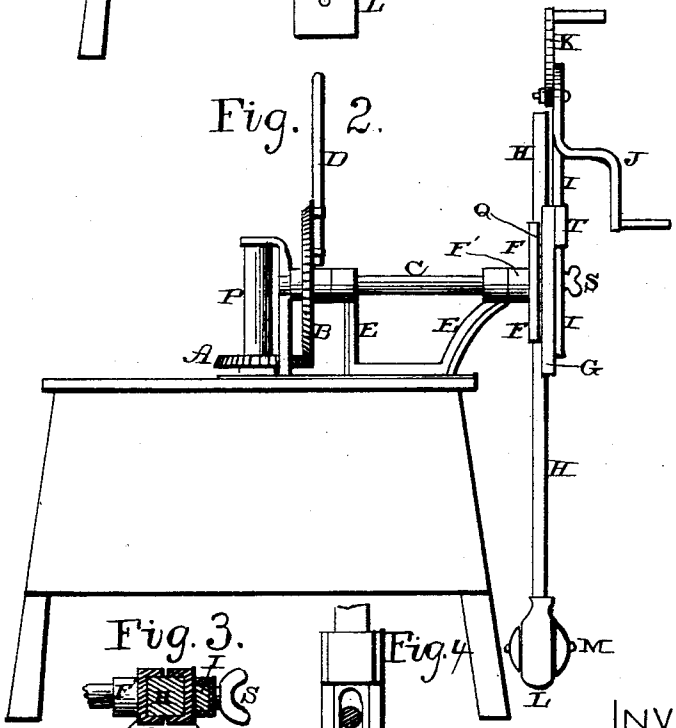


Fig. 3.

Fig. 4.

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WASHING-MACHINE MOTOR.

SPECIFICATION forming part of Letters Patent No. 590,252, dated September 21, 1897.

Application filed April 10, 1897. Serial No. 631,652. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. BRAMMER, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Washing-Machine Motors; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in washing-machine motors; and it consists in an arrangement and combination of parts which will be more fully described hereinafter, whereby a number of handles can be attached to the operating parts, so as to enable a number of persons of different sizes to join in operating the machine.

The object of my invention is to provide a weighted swinging lever, used in operating washing-machines, churns, and other like machinery, with a plurality of handles, which are placed at different heights, so as to enable several persons to assist in operating the machine.

Figure 1 is a side elevation of a washing-machine to which my invention is applied. Fig. 2 is a similar view taken at right angles to Fig. 1. Figs. 3 and 4 show details of construction.

O represents the body of the washing-machine, from the top of which rises the operating-shaft P, which is provided with a bevel-gear A, and meshing with this gear A is the operating-wheel B, secured to the end of the shaft C, and the wheel is provided with a handle D in the usual manner. The shaft C is journaled in the bracket E, which is secured to the top of the machine in the usual manner. The parts above described are old, and hence need not be more fully described in this connection. Secured to the other end of the shaft C is the plate or casting F, which is provided with a hub F′ at or near its center and with vertical outwardly-turned flanges along its outer edges. Applied to the outer vertical flanges Q of the plate or casting F is a similarly-shaped casting G, which is provided with a slot R, and in between the castings or plates F G is clamped a swinging lever H, which is provided either with a slot or a series of holes through which the end of the shaft C passes, and by means of which slot or series of holes the lever H can be adjusted vertically between the two plates or castings F G at the will of the operator. The outer end of the shaft C is screw-threaded and the clamping-nut S is applied thereto, so as to clamp the parts F G tightly together. The frictional contact between the plates F and G will be sufficient to hold the lever H in any desired position in case a slot is made through it for the passage of the end of the shaft C. Upon the lower end of this lever H is secured the weight L, which is preferably composed of three parts, and which three parts are clamped together by the bolt M, which passes through these parts and the lower end of the lever H. The two outer parts of the weight may be removed, if so desired, when but a small washing is to be done. In order to prevent persons from being injured by the weight while it is in motion, a bag of any kind may be placed around it, and then this bag is stuffed with any soft material, which will prevent persons from being injured in case the weight strikes them.

Upon the upper end of the plate or casting G is formed a loop T, and through this loop T is passed the vertical rod I, which is provided with a slot at its lower end, so that it can be adjusted vertically upon the end of the shaft C and thus regulate the height at which the handles are to be placed. Formed upon the upper end of this rod I are the arms J, which extend downwardly and outwardly at any desired angle, and at the lower ends of which the handles J^2 are secured. If so desired, the rod I, plate or casting G, and the handles J may all be cast in a single piece.

Bolted or otherwise secured to the upper end of the rod I is a curved rod or bar K, to the outer ends of which handles are secured. This rod or bar may also be cast as a part of the rod I; but I prefer to make them separate, so that the rod can be adjusted into different positions, as by raising one handle above the other, according to the heights of the persons

who are to take hold and help to operate the machine. The arms J are bent outwardly to any desired distance, so that the handles are out of line with each other and allow four or more persons to take hold of these handles and help to operate the machine without getting in one another's way.

By furnishing a washing-machine with the number of handles, as here shown, different members of the family can unite in operating it, from the children up.

Having thus described my invention, I claim—

1. In a washing-machine a suitable mechanism for operating the stirrer therein, combined with a suitable plate or casting secured to the outer end of the operating-shaft, a vertically-adjustable operating-lever which is clamped to the plate or casting, a rod which is clamped to the plates or castings and is provided with a series of handles at its upper end, the lever being clamped between the casting and the rod and means for clamping the parts together substantially as shown.

2. The body O, a mechanism for operating the stirrer, and the operating-shaft C, journaled upon the top of the body, combined with the plate or casting F, secured to the outer end of the shaft, the plate or casting G, clamped against the one F, and thumb-nut applied to the end of the shaft C; the weighted lever H, secured between the two plates or castings, the rod I clamped against the outer side of the plate or casting G, and which is provided with a series of arms at its upper end carrying handles, the arms being bent or curved so that the handles are out of line with each other substantially as described.

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

HENRY F. BRAMMER.

Witnesses:
T. A. MURPHY,
ROSANN SMITH.