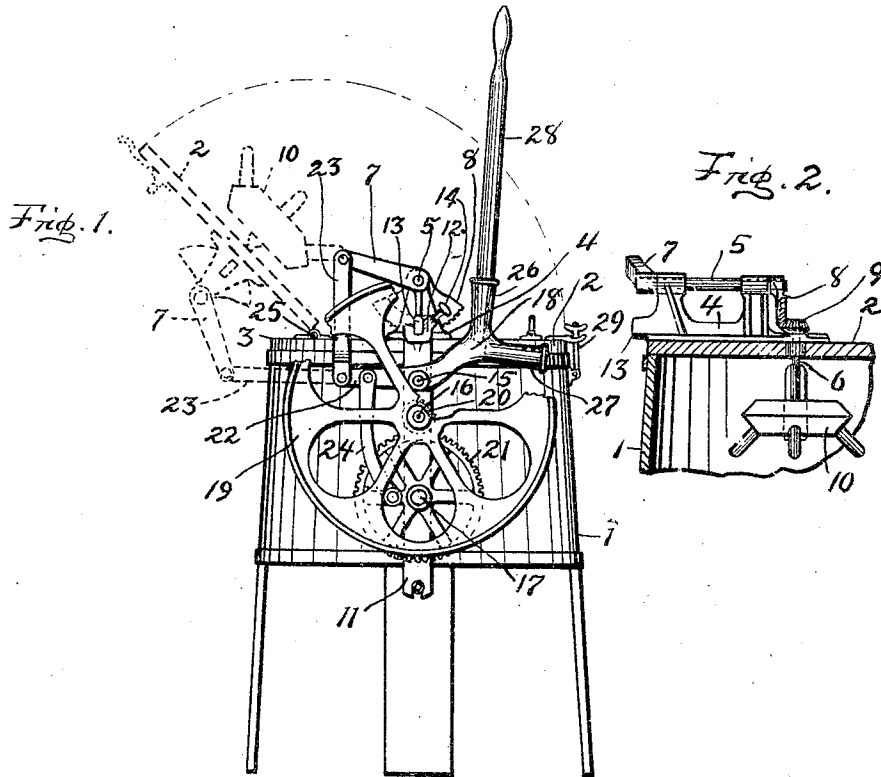


P. W. PETERS.
DRIVING MECHANISM FOR WASHING MACHINES.
APPLICATION FILED FEB. 13, 1911.

1,008,194.

Patented Nov. 7, 1911.



WITNESSES:

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PAUL W. PETERS, OF FORT WAYNE, INDIANA, ASSIGNOR TO THE HORTON MANUFACTURING COMPANY, A CORPORATION OF INDIANA.

DRIVING MECHANISM FOR WASHING-MACHINES.

1,008,194.

Specification of Letters Patent.

Patented Nov. 7, 1911.

Application filed February 13, 1911. Serial No. 608,340.

To all whom it may concern:

Be it known that I, PAUL W. PETERS, a citizen of the United States of America, and resident of Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Driving Mechanism for Washing-Machines, of which the following is a specification.

This invention relates to improvements in driving mechanism for washing machines of that class in which an oscillating dolly, or agitator, is employed in conjunction with a rotating momentum wheel, and the object of the improvement is to afford a construction wherein the lid of the suds-vessel, carrying the dolly, may be opened without disconnection of the actuating mechanism carried by the suds-vessel proper. This object is accomplished by the construction illustrated in the accompanying drawings in which—

Figure 1. is a side elevation of the machine with the momentum wheel shown partly cut away; and Fig. 2. is a detail view showing a vertical central section at a right angle to the plane of Fig. 1.

Similar numerals of reference indicate corresponding parts in both views, and, referring now to the same: 1 is a suds-vessel, and 2 is a lid, which, together with the top-piece 3, form the cover for the suds-vessel. Upon the lid is secured a bracket 4 which affords bearings for the rocking shaft 5 and also for the dolly shaft 6, the former extending at right angles to the latter. The rocking shaft has at its outer end an arm 7, and at its inner end a segment gear 8. The dolly shaft 6 has at its upper end a pinion 9 that meshes with the gear 8, and extends through the lid and supports the dolly 10.

Upon the side of the suds-vessel is secured a bracket 11 having a slotted upper end 12 which is adapted to receive the projecting end 13 of the bracket 4 when the lid is in closed position. A thumb screw 14 serves to secure the two brackets together. The bracket 11 has projecting therefrom three studs, 15, 16, and 17 respectively, and upon the stud 15 is mounted the operating lever 18. The momentum wheel 19 is mounted upon the stud 16 and has a toothed hub 20. The driving gear 21 is mounted

upon the stud 17 and meshes with the toothed hub of the momentum wheel so as to actuate the same. Thus the suds vessel constitutes a stationary support for the bracket 11 with the parts mounted thereon, and the lid constitutes a hinged member for the bracket 4 carrying the rocking shaft.

The operating lever has an arm 22 that has a connection with the arm 7 on the rocking shaft 5 by means of a link 23, and also with the driving gear 21 by means of a pitman 24. The hinges 25 connecting the lid and top-piece, and upon which the lid swings, are so located, and the respective lengths of the arm 7 and link 23 are such as to permit the lid to be opened without the necessity of disconnecting the arm and link or other actuating parts of the mechanism.

The operating lever has two handle sockets, 26 and 27 respectively, in either of which the handle 28 may be inserted, the sockets are so disposed that when the handle is in the socket 26 it will extend vertically, and when in the socket 27 it will extend horizontally.

In the operation of this invention, a proper quantity of suds is placed in the suds-vessel, together with the articles to be cleansed, and the lid is then closed and secured by a fastener 29, also the bracket 4 is secured to the bracket 11 by the thumb-screw 14. The mechanism is then set in motion by manipulating the handle to and fro. Thus, the operating lever actuates the momentum wheel through the medium of the pitman, driving gear and toothed hub; and the dolly through the medium of the link, arm, rocking shaft, segment gear, pinion and dolly shaft.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In mechanism of the class described, a stationary support; a hinged member upon the stationary support; a rocking member supported upon the hinged member; a momentum wheel carried upon the stationary support; a driving-gear for the momentum wheel; an operating lever having its fulcrum upon the stationary support, and having a pitman connection with the driving-gear to actuate the latter; and an actuating medium connecting the operating lever and

rocking member, which connection is adapted to be maintained while the hinged member is swung to its various positions.

2. In mechanism of the class described, a stationary support; a hinged member upon the stationary support; a rocking member supported upon the hinged member; a momentum wheel carried upon the stationary support; a driving gear in connection with the momentum wheel adapted to drive the same; an operating lever having actuating connection with the driving gear; an arm fixed upon the rocking member which extends therefrom toward the hinged side of the hinged member; and a link connecting the arm and the operating lever.

3. In mechanism of the class described, a

stationary support; a hinged member upon the stationary support; a rocking member supported upon the hinged member and having an arm which extends toward the hinged side of said hinged member; an operating lever; a momentum wheel carried upon the stationary support; a link connecting the arm and the operating lever; and means in connection with the lever to actuate the momentum wheel.

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

PAUL W. PETERS.

Witnesses:

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