

(No Model.)

W. BAYLIS.
WASHING MACHINE.

No. 591,728

Patented Oct. 12, 1897.

Fig. 1

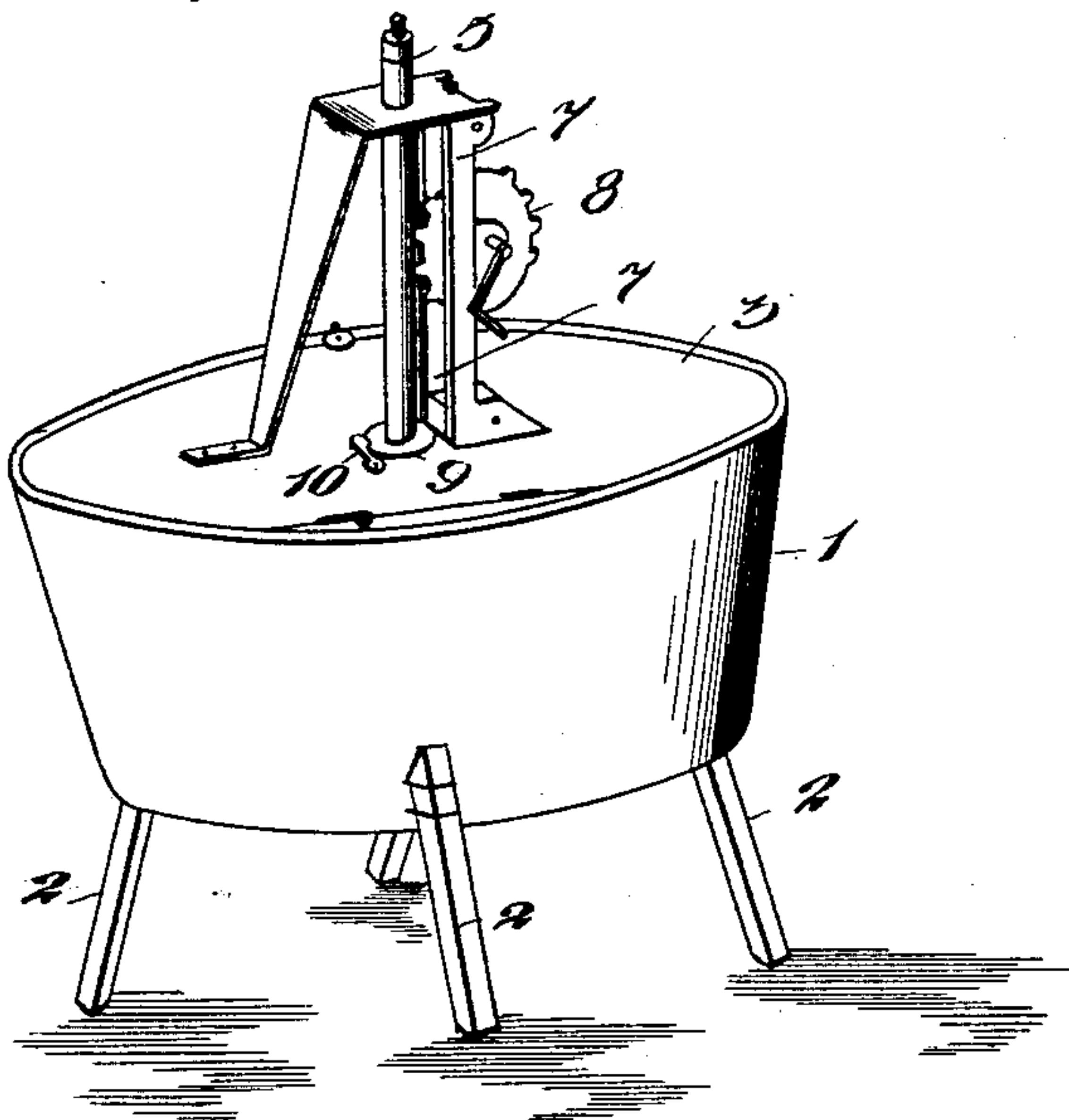
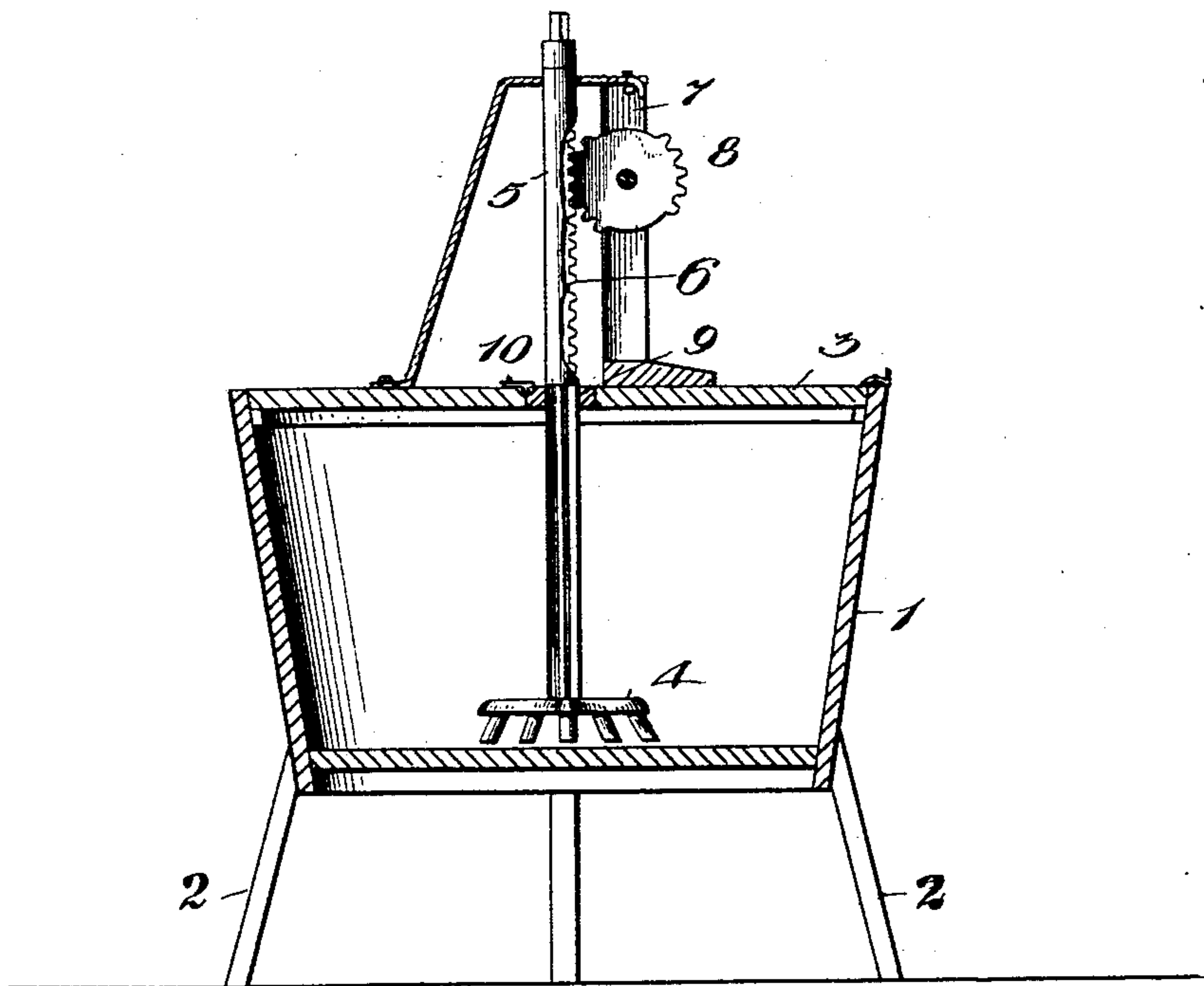


Fig. 2



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM BAYLIS, OF WINNIPEG, CANADA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 591,728, dated October 12, 1897.

Application filed April 6, 1897. Serial No. 631,002. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BAYLIS, a subject of the Queen of Great Britain, residing at Winnipeg, in the Province of Manitoba and Dominion of Canada, have invented certain new and useful Improvements in Washing-Machines; 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.

My invention relates to a washing-machine; and the object is to simplify the construction and provide a machine of this character by means of which soiled clothes may be quickly and thoroughly cleansed.

With this object in view the invention consists of certain features of construction and combination of parts which will be herein after fully set forth and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved washing-machine, and Fig. 2 is a vertical sectional view of the same.

In the drawings, 1 denotes the tub or suds-box having supporting-legs 2 and a hinged top 3. These parts may be of any well-known or approved construction, and a further description of the same is not thought to be necessary.

4 denotes the pounder or rubber, the shaft 5 of which projects upwardly through the cover and is provided with a vertical row of teeth 6.

7 denotes two standards, between which is journaled a mutilated-gear wheel 8, adapted to engage the teeth of the pounder-shaft, raise the same, and allow it to drop. It is evident that when this reciprocating vertical movement is imparted to the pounder some means should be provided to prevent the shaft from rotating, for if allowed to rotate the teeth would fall out of gear with the mutilated-gear wheel; and to this end I have mounted in the top of the cover a collar 9, having a square or angular hole which corresponds to a portion of the pounder-shaft.

10 denotes a pivoted latch which is adapted to be swung into engagement with the collar and prevent its rotation. This latch is preferably of the form shown and is provided with a downwardly-extending pin which engages a nick in the periphery of the collar.

In operation, when it is desired to impart to the pounder a vertical reciprocating motion, by applying the crank or winch to the shaft of the mutilated gear and rotating said gear the pounder will be elevated and will drop by its own weight. When the machine is being operated in this manner, the latch is in engagement with the collar, so that the pounder-shaft will not rotate in its bearings and thus get out of mesh with the mutilated-gear wheel. Now when it is desired to rotate the pounder the latch is removed from engagement with the collar, and by applying the winch or crank to the upper end of the shaft the pounder is rotated.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a washing-machine, the combination with the tub or suds-box and a removable cover provided with a central aperture, of a pounder, the shaft of which for a portion of its length is polygonal in cross-section, and provided with a vertical row of teeth, a collar loosely mounted to rotate in the central aperture of the cover, the opening through said collar corresponding in shape with the cross-section of the shaft, a latch pivoted to the cover and adapted to engage the collar and lock it against rotation, a mutilated-gear wheel suitably supported on said cover and engaging the teeth of said shaft, a crank by means of which either the pounder-shaft may be rotated to impart a rotary motion to the pounder or the shaft of the mutilated gear rotated to impart a vertical reciprocating motion to the pounder, substantially as set forth.

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

WILLIAM BAYLIS.

Witnesses:

GLEN A. CAMPBELL,
JOHN F. HOSEGOOD.