

No. 811,735.

PATENTED FEB. 6, 1906.

J. D. McELROY.
DISH WASHING MACHINE.
APPLICATION FILED AUG. 7, 1905.

Fig. 1.

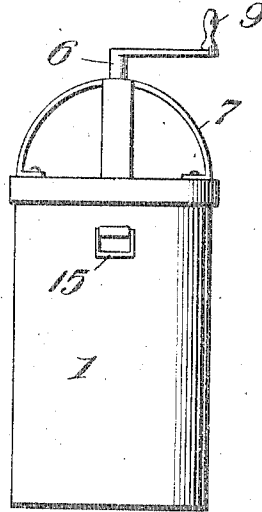


Fig. 3.

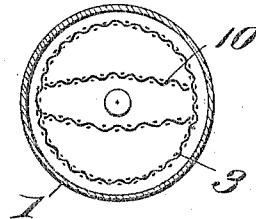


Fig. 4.

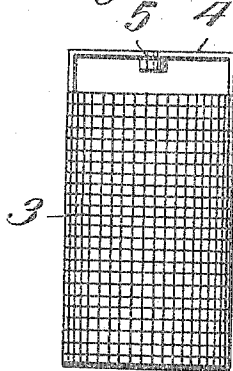


Fig. 2.

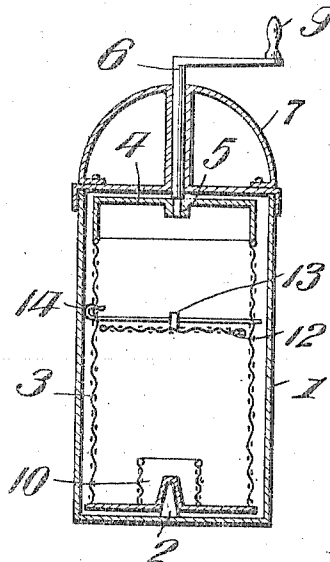
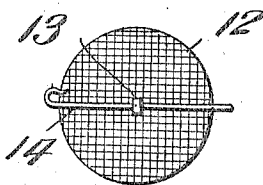


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPHINE D. McELROY, OF LEAVENWORTH, KANSAS.

DISH-WASHING MACHINE.

No. 811,735.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed August 7, 1905. Serial No. 273,158.

To all whom it may concern:

Be it known that I, JOSEPHINE D. McELROY, a citizen of the United States, residing at Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Dish-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.

This invention relates to improvements in dish washing and drying machines.

The object of the invention is to provide a machine of this character in which dishes may be placed and washed without danger of chipping and breaking and which after being washed may be drained and dried without the handling of the same, means being provided whereby the dishes may be securely held in the dish-receptacle to prevent undue movement of the same in said receptacle.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of the machine arranged for use. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a horizontal sectional view of the same. Fig. 4 is a side view of the dish-receptacle removed from the boiler, and Fig. 5 is a detail view of the dish-holding plate removed from the receptacle.

Referring more particularly to the drawings, 1 denotes the boiler, which may be constructed of any suitable material and in any suitable shape, the same being here shown, and is preferably cylindrical in shape and formed of sheet metal. On the bottom of the boiler 1 is arranged a concentrically-disposed upwardly-projecting pivot-pin 2, upon which is adapted to be revolvably mounted a dish-receptacle 3.

The dish-receptacle 3 is preferably in the form of a cylindrical reticulated wire basket, in the upper end of which is secured a bail-shaped cross-bar 4, in which is formed a centrally-disposed rectangular opening 5. In the opening 5 is adapted to be inserted the lower end of a crank-shaft 6, which is journaled in the framework 7 of an oval-shaped cap 8, which is adapted to be placed upon the upper end of the boiler 1 to close the same. On the upper end of the crank-shaft 6 is ar-

ranged a crank-handle 9, whereby said shaft and the dish-receptacle may be revolved in the boiler, thus cleansing the dishes contained in said receptacle.

Within the dish-receptacle 3, and preferably on the bottom of the same, is formed a reticulated compartment 10, in which is adapted to be placed knives, forks, spoons, and other small articles to be washed, thereby keeping the same together and preventing their being thrown into contact with the dishes, thus preventing the breaking or chipping of the latter. In order that the dishes may be firmly held in the dish-receptacle 3 after being packed therein, a holding plate or cover 12 is provided, said holding-plate being preferably constructed of network or reticulated material and is of a shape and size to fit within the receptacle 3. The holding-plate 12 is provided with a centrally-disposed upwardly-projecting stud 13, in which is formed a transversely-disposed opening, through which is adapted to be inserted a securing-rod 14, one end of which is bent in the form of a hook. The rod 14 is adapted to be projected through the network sides of the receptacle 3 and through the apertured stud 13, thereby holding the plate 12 down upon the dishes within the receptacle.

If desired, the boiler 1 may be provided with suitable handles 15, whereby the same may be readily moved or carried.

In operation the dishes are placed in the receptacle 3 and secured by the plate 12, as hereinbefore described. The filled receptacle is now placed in the boiler upon the pivot 2, after which the cap 8 is placed upon the boiler, with the crank-shaft in engagement with the aperture in the bail of the receptacle. The crank-handle 9 may now be turned, thus revolving the receptacle within the boiler and thoroughly cleansing the dishes contained in the former. After the dishes have been sufficiently cleansed the cap 8 is removed from the boiler and the dish-receptacle lifted therefrom by means of the bail-shaped cross-bar 4 and set aside to allow the dishes contained therein to drain and dry, thus providing for the washing and drying of the dishes without handling the same further than placing them into the receptacle 3.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

The herein-described dish-washing machine consisting of a boiler having an upwardly-projecting pivot 2 from the bottom thereof, a reticulated dish-receptacle revolubly mounted on said pivot within said boiler, a bail on the upper end of said receptacle, said bail having formed therein a square socket 5, a combined bearing-frame and cover arranged

on the upper end of said boiler, said frame comprising curved straps 7, a crank-shaft journaled in said bearing-frame and adapted to engage the squared socket in said bail, a crank arranged on said shaft, a knife and fork receptacle arranged on the bottom of said dish-receptacle, and a dish-holding tray adjustably secured in said receptacle to hold the dishes therein, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPHINE D. McELROY.

Witnesses:

B. H. BENNE,
OTTO BAUER.