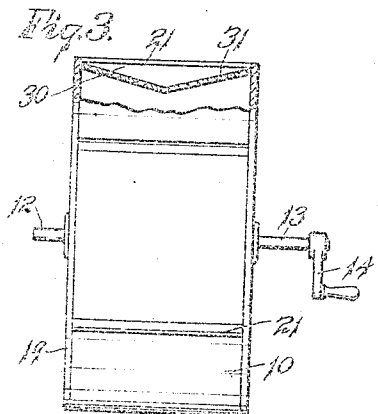
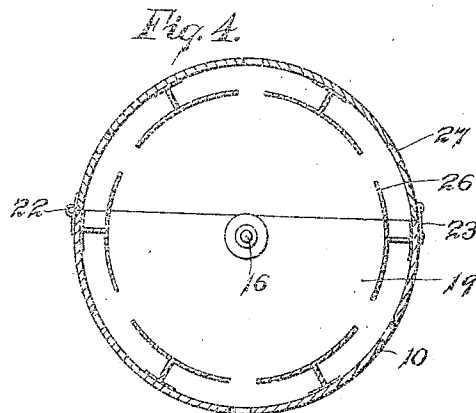
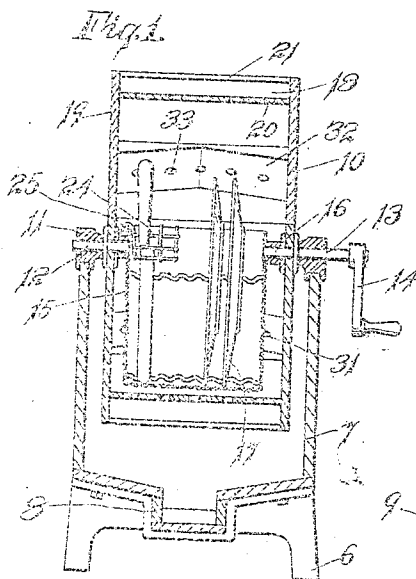
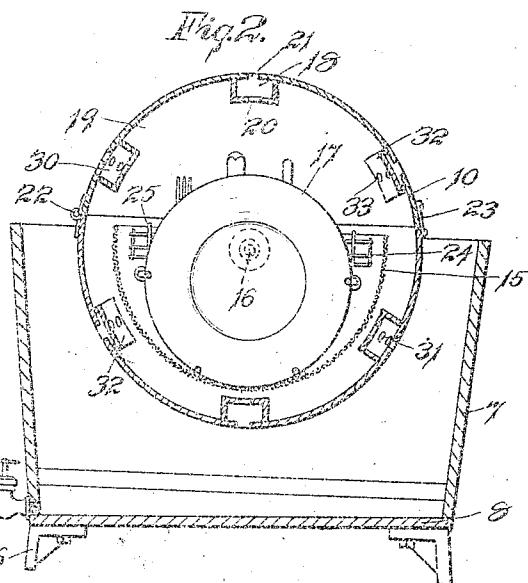
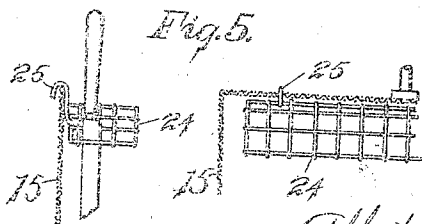


A. L. SESSIONS.
DISH WASHING MACHINE.
APPLICATION FILED MAY 3, 1912.

1,215,583.

Patented Feb. 13, 1917.



WITNESSES:
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ALBERT L. SESSIONS, OF BRISTOL, CONNECTICUT.

DISH-WASHING MACHINE.

1,215,583.

Specification of Letters Patent.

Patented Feb. 13, 1917.

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To all whom it may concern:

Be it known that I, ALBERT L. SESSIONS, a citizen of the United States, and a resident of Bristol, in the county of Hartford and State of Connecticut, have invented a new and Improved Dish-Washing Machine, of which the following is a specification.

My invention relates to the class of devices above named, and an object of the invention, among others, is to provide a device of this class that shall be extremely convenient and effective for the purpose set out.

One form of device embodying my invention and in the construction and use of which the objects herein mentioned, as well as others, may be attained, is illustrated in the accompanying drawings, in which—

Figure 1 is a view in central vertical section through a machine embodying my invention.

Fig. 2 is a view in central vertical section through the machine on a plane located at right angles to the plane of view of Fig. 1.

Fig. 3 is a view in side elevation of the barrel partially broken away to show construction.

Fig. 4 is a detail view in section through a barrel of a little different form.

Fig. 5 is an end and front view of a portion of a removable tray for holding knives, forks and the like.

In the accompanying drawings the numeral 6 denotes standards supporting a tub 7 having a depression 8 extending lengthwise thereof and to which a faucet 9 is secured as a means of drawing water from the tub. This depression forms a settling chamber in which the heavier matter removed from the dishes accumulates and which is thus prevented from being repeatedly washed over the dishes and the bottom may be so inclined that the settling chamber is deepest at that end containing the faucet.

A barrel 10 is rotatably mounted on the sides of the tub. As shown herein bearings 11 are located on opposite sides of the top edges of the tub and trunnions 12—13 are rigidly secured to the barrel and are mounted in these bearings. The trunnion 13 may be supplied with a handle 14 as a means for turning the barrel.

A basket 15 is loosely mounted on studs 16 projecting inwardly from the center of the barrel, in the form of construction shown these studs being a part of the trunnions hereinbefore described. This basket

is preferably made from perforated material, as wire netting or the like, within which dishes 17 or like articles may be placed for cleaning purposes.

The barrel 10 is provided with buckets so made that in the rotation of the barrel water will be taken up from the tub 7 and dashed over the articles within the basket as the barrel is rotated. In the structure shown in Figs. 1, 2, and 3 the buckets are of different forms, those denoted by the numeral 18 consisting of grooves extending from end to end of the barrel, the ends of the grooves being closed by end plates 19 constituting a part of the barrel. These buckets are provided with openings 20 through which the water escapes to the interior of the barrel where it is dashed upon the articles in the basket, as hereinbefore described. Another set consisting of buckets 30 are deeper at the lengthwise center of the barrel than at the ends, the bottom gradually sloping toward the periphery of the barrel, and openings 31 are formed in the bottom, these openings inclining toward the ends of the barrel. Another set of buckets 32 are deeper at the ends than in the center, these buckets having openings 33 inclining toward the lengthwise center of the barrel. It will thus be seen that the water picked up by the buckets is projected into the barrel in different directions, both toward the lengthwise center, away from the lengthwise center, and in a diametrical line so that the contents receive streams from all directions, insuring a thorough washing.

Openings of any suitable form may be made through the wall of the barrel into the buckets to permit water to flow thereinto. In the form of construction herein shown, a slot 21 opposite the bucket being provided for this purpose.

As a convenient means for placing the articles within the basket and removing them therefrom the barrel 10 is made in two parts, the upper part being hinged to the lower part as at 22, and the two parts being secured at their free ends as by a catch 23 of any desired construction.

In the form of device shown in Fig. 4 the buckets 26 are located on the inside of the barrel opening toward each other and holes 27 are arranged in line lengthwise of the barrel to deliver water into said buckets. The buckets open toward each other so that the water will be gathered up and dashed

upon the articles in the basket when the barrel is revolved in either direction, it being understood that the basket is employed in all of the forms shown herein.

- 5 As a convenient means for containing knives, forks and the like a tray 24 may be suspended within the basket 15, this tray having hooks 25 to engage the edge of the basket. This tray is preferably formed of wire suitable to permit water to drain freely from the articles therein and it will be provided with a bottom, the openings through which may receive the articles to hold them in a separated and upright position, fully exposed to the streams of water. The tray may also have front and ends and also a back is required, although the basket within which it is supported may serve as the back wall if desired.
- 20 While I have illustrated and described herein certain forms of devices these may be altered and changed to a considerable degree and yet embody the invention, which is not limited to the exact construction herein disclosed.

I claim—

1. A dish washing machine including a tub, a barrel rotatably mounted in the tub, a basket suspended within the barrel, means upon the bottom of the basket and on opposite sides thereof to engage the edges of dishes and hold them spaced apart in an upright position, and means for gathering water from within the tub and dashing it in different directions against the front and back faces of the dishes within the basket.

2. A dish washing machine including a tub, a basket for dishes or like articles suspended within the tub, means for supporting dishes faced in a predetermined direction within the basket, and means for gathering water from within the tub and for projecting it in different directions transverse to that in which the dishes are faced and against the front and back faces of said dishes.

3. A dish washing machine including a tub, a barrel rotatably mounted within the tub, a basket suspended within the barrel, buckets having troughs extending lengthwise of the barrel on the inner surface thereof, the bottoms of some of the troughs being each inclined in a different direction lengthwise of the barrel from that of other troughs and with holes through said inclined bottoms arranged to project the water in different directions against the faces of the dishes, and means for rotating the barrel.

4. A dish washing machine including a tub, a barrel rotatably mounted within the tub, a basket suspended within the barrel, means for supporting the dishes on edge with their faces toward the ends of the barrel, buckets extending along the inner face of the barrel lengthwise thereof, a part of the bottoms of some of the buckets being inclined each in a different direction lengthwise of the barrel from that of another part thereof and the bottoms in some of the buckets being inclined in different directions from those in some of the other buckets, said buckets having openings through their bottom walls to project the water against the dishes.

5. A dish washing machine including a tub, a barrel rotatably mounted within the tub, a basket suspended within the barrel, buckets extending along the inner face of the barrel lengthwise thereof, the bottoms of some of the buckets being each inclined in a different direction obliquely to the axis of the barrel from that of other bottoms, said bottoms having openings therethrough extending at right angles to the plane thereof, and means for rotating the barrel.

6. A dish washing machine including a tub, a barrel rotatably mounted within the tub, a basket suspended within the barrel, means within the basket for facing the dishes toward the ends of the barrel, troughs extending along the inner face of the barrel lengthwise thereof at its periphery, the bottoms of some of said troughs being inclined at an angle to the axis of the barrel, said bottoms having openings therethrough extending in a direction at right angles to the plane of said bottom, and means for rotating the barrel.

7. A dish washing machine including a tub, a barrel rotatably mounted within the tub and having slots extending lengthwise along its outer surface providing openings into its interior, troughs extending along the inner face of the barrel lengthwise thereof at its periphery and into which said slots open, the bottoms of some of said troughs being inclined at an angle to the axis of the barrel, and said bottoms having openings therethrough, a basket suspended within the barrel, and means within the basket for facing the dishes toward the ends of the barrel.

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Witnesses:

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