

M. J. WEAVER.

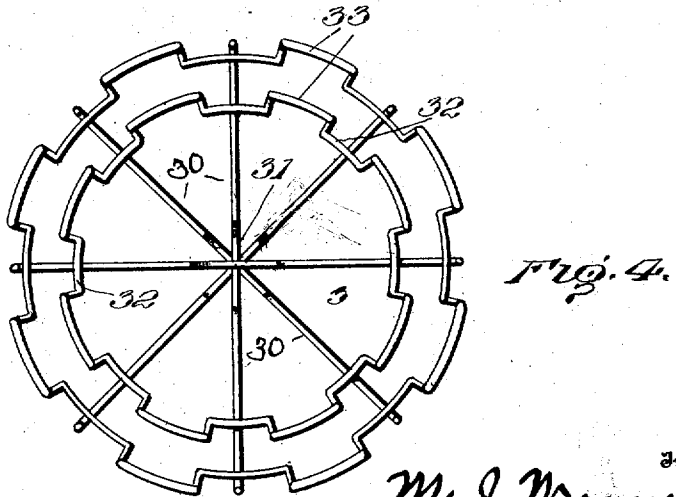
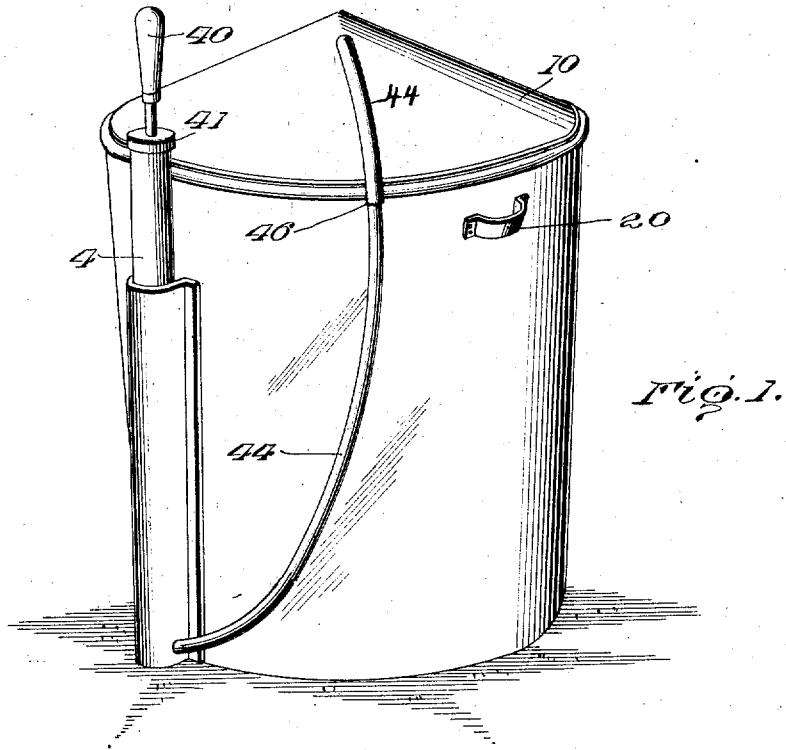
DISH WASHER.

APPLICATION FILED SEPT. 22, 1909.

Patented July 5, 1910.

2 SHEETS—SHEET 1.

963,672.



Witnesses

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384

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2 SHEETS—SHEET 2.

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Fig. 2.

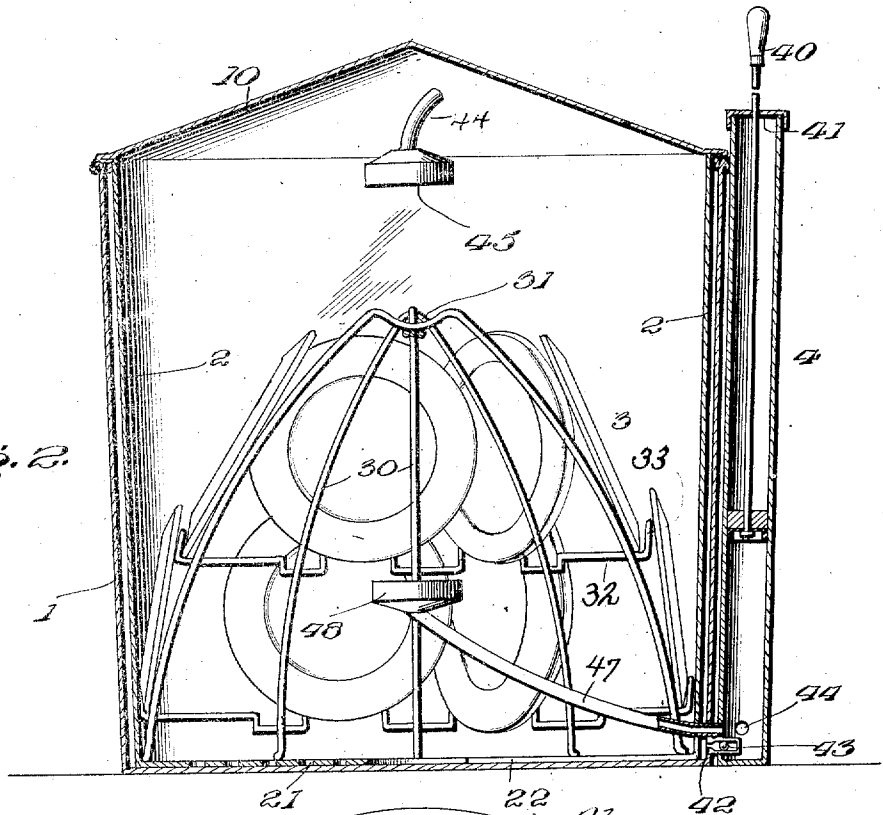
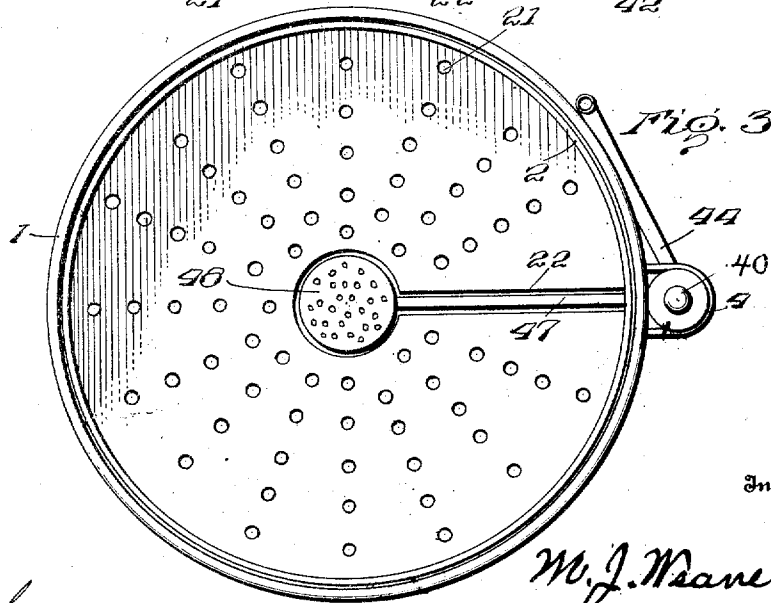


Fig. 3.



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UNITED STATES PATENT OFFICE.

MARY JANE WEAVER, OF ROSEBUD, TEXAS.

DISH-WASHER.

33,672.

Specification of Letters Patent.

Patented July 5, 1910.

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To all whom it may concern:

Be it known that I, MARY JANE WEAVER, a citizen of the United States, residing at Rosebud, Falls county, Texas, have invented certain new and useful Improvements in Dish-Washers; and I do hereby 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 certain improvements in dish washers; and the objects and nature of my invention will be readily understood by those skilled in the art in the light of the following explanation of the accompanying drawings which show what I now consider my preferred embodiment from among other formations and arrangements within the spirit and scope of my invention. The invention consists in certain novel features in construction and in combinations as more fully and particularly set forth hereinafter.

Referring to the accompanying drawings: Figure 1, is a perspective view of the washer with parts assembled for operation. Fig. 2, is a vertical section. Fig. 3, is a top plan view with the covers removed. Fig. 4, is a detail top plan view of the dish rack.

In the specific example illustrated, my washer consists of a main or exterior tub or tank 1; a removable inner receptacle or carrier 2; and a dish rack 3, adapted to be removably arranged in the inner receptacle.

The tub or tank 1, is open at the top and is provided with a removable cover 10, for normally closing the same at the top. This tube is provided with a pump operative from the exterior of the washer for spraying the dishes arranged within the washer on the rack 3. In the example illustrated, I show a vertical pump barrel or cylinder 4, vertically arranged at the exterior of and fixed to the tub and provided with a reciprocating piston operated by handle 40, the upper end of the pump barrel being closed by removable cap 41. The lower end of the barrel communicates with the bottom portion of the interior of the tub through suction duct or opening 42, provided with any usual or suitable check valve 43 opening inwardly with respect to the pump barrel.

The pump barrel, in the example illustrated, is shown provided with discharge pipes 44, and 47, extending to and terminat-

ing in sprayer heads 45, 48, arranged within the inner receptacles to spray the water forcibly against the surfaces of the dishes carried by the dish rack. The pipe 44, extends from the lower end of the pump barrel upwardly along the exterior of the outer tank and extends through the cover 10 and depends therefrom within the inner receptacle and carries the sprayer head 45, above the dish rack and is arranged to spray the water down on the dishes carried by the rack. The pipe 44, is made in sections, one section fixed to tank 1, and another section fixed to cover 10, the said sections being connected together through slip joint 46, to permit removal and application of the cover 10, and the section of pipe 44, carried thereby. An upwardly directed sprayer head 48, is arranged centrally within the lower portion of the inner receptacle to direct the water upwardly against the dishes on the rack, and this head 48 is carried by a discharge pipe 47, extending from the lower end of the pump and passing through the wall of the outer tank. The sprayer heads 45, 48, are of any suitable construction and are usually made removable.

The inner receptacle is open at the top and provided with suitable hand holds and with perforated bottom 21. The bottom and side wall of the inner receptacle are suitably slotted, see 22, to receive the discharge pipe, and sprayer head 48, and permit insertion and removal of said receptacle into and from the tank 1, without interference with or from said pipe and head.

The dish rack is preferably removably arranged within the inner receptacle. In the specific example illustrated, its lower end rests on the bottom of the inner receptacle and tapers upwardly and centrally therein and consists of an open frame, formed with exterior sockets or ledges to support the dishes on the exterior of and around the open frame. The rack can be formed by a series of spaced vertical wires 30, converging upwardly and secured together at their upper ends at 31, and a series of spaced encircling horizontal wires 32, secured to each of the vertical wires and at the intervals between the vertical wires looped or offset outwardly to form dish holding brackets or sockets 33. The dishes can be arranged vertically or on edge and

overlapping about the exterior of the rack, each at its lower edge resting on a bracket or socket 33, about as shown.

In practice the dishes are arranged on the 5 rack and then placed in the inner receptacle which is then placed in the tub. The required amount of hot water is then poured in the tub which is then closed by the cover. The pump piston is then reciprocated and 10 the water is drawn into the pump and forcibly discharged against the dishes through the spray head.

What I claim is:—

In combination, in a dish washer, a tub 15 provided with a removable cover, an exterior pump having its barrel fixed to said tub and provided with a suction inlet opening into said tub above the floor thereof, a spray nozzle carried by said cover and de-

pending therefrom centrally into said tub, 20 said pump provided with a discharge pipe from said pump extending through the side wall of said tub laterally into the lower portion thereof and provided with a central elevated upwardly directed spray nozzle, a 25 removable open top inner receptacle within said tub and having a bottom opening to receive said last mentioned pipe and nozzle and provided with means for holding dishes in series around said lower central nozzle 30 and below said upper nozzle, substantially as described.

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

MARY JANE WEAVER.

Witnesses:

E. C. PARKER,
E. E. PORTER.