(No Model.)

C. L. RUDD.

APPARATUS FOR WASHING DISHES.

No. 300,398. Patented June 17, 1884.

Fig. 1

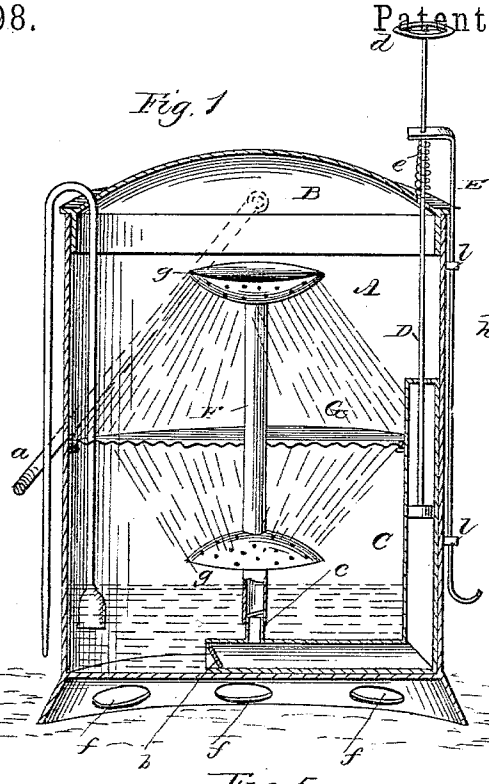


Fig. 2.

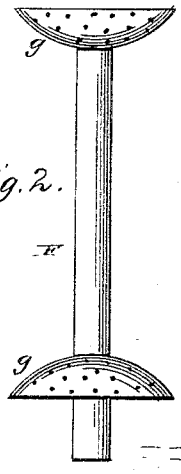


Fig. 3.

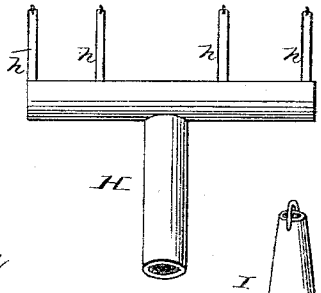
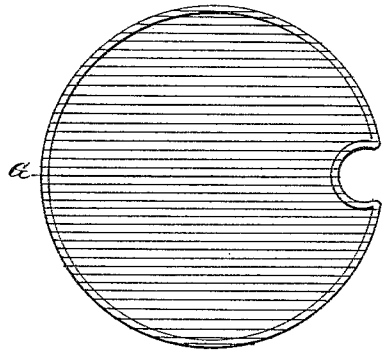


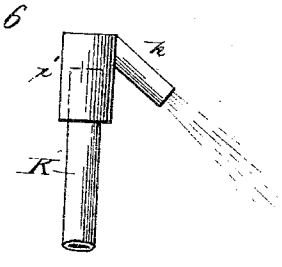
Fig. 4



Fig. 5

Fig. 6





WITNESSES

F. L. Ousley

N. E. Oliphant.

INVENTOR

Charles L. Rudd

By Charles H. Fowler

Attorney

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

CHARLES L. RUDD, OF LAKE CITY, MINNESOTA.

APPARATUS FOR WASHING DISHES.

SPECIFICATION forming part of Letters Patent No. 300,398, dated June 17, 1884.

Application filed August 18, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. RUDD, a citizen of the United States, residing at Lake City, in the county of Wabasha and State of Minnesota, have invented certain new and useful Improvements in Apparatus for Washing Dishes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of a pail or tank constructed according to my invention, with the pump and one of the attachments in position for use, Figs. 2, 3, 4, 5, and 6 being detail views of the several attachments.

The present invention has relation to certain new and useful improvements in that class of washing and sprinkling apparatus for domestic purposes, in which is employed a pail or tank provided with a rack for the dishes or other like articles to be washed, a force-pump with treadle attachment for operating it, and means for throwing the water in sprays in opposite directions against the dishes.

The devices which have one or more of the above-mentioned characteristics are the class to which my invention more nearly relates; and it therefore has for its object to improve the construction and render the apparatus more effective and certain in its results, and to supply devices whereby the pump can be worked either by hand or foot power, as found desirable. These objects I attain by the construction, substantially as shown in the drawings and hereinafter described and claimed.

In the drawings, A represents a suitable pail or tank provided with a removable water-tight cover, B, and a handle, *a*. Secured upon the interior of this pail A is a suitable force-pump, C, provided with an inlet-valve, *b*, and outlet-valve *c*, its plunger-rod D extending up some distance above the top of said pail or tank, and terminating in a handle, *d*. To this plunger-rod D is connected a treadle, E, extending down the outside of the pail or tank through guides *l* to near its base, a spring, *e*, operating to force said plunger-rod back after being pressed down, this treadle-connection admitting of the pump being worked by either hand or foot power, or both, as the operator may prefer or find necessary, the base of the pail or tank being provided with openings *f*, in which the operator places his foot to steady said pail or tank when working the pump.

Adapted to be tightly secured to the outlet-valve *c* of the pump is a tube, F, provided at or near its ends with suitable sprinklers, *g*, through which the water is forced in opposite direction for washing clothes, vegetables, or dishes, which are intended to be placed upon a perforated shelf or rack, G, adapted to fit within the pail or tank about midway between the sprinklers *g*. The water being thus forced in opposite directions upon the articles on said shelf, a rapid and effective cleaning is accomplished.

For washing bottles, jars, or cans, an attachment is used consisting of a T-shaped tube, H, adapted to fit over the valve *c* of the pump, and having projecting from its top smaller vertical tubes *h* of any desired or convenient number, said tubes being provided at their top with suitable means, such as a loop secured across their openings for the purpose of converting the forced-up water into spray, the bottles, jars, or like articles being placed over the tubes bottom up and thoroughly cleansed by action of the spray.

If desired, a single tapering tube, I, may be employed for washing jugs, bottles, cans, or jars, said tube being adapted to fit over the valve *c*, and being provided at its upper end with means similar to that upon the tubes *h*, for converting the water into spray as it is forced out through the opening in said end.

For window cleaning or sprinkling purposes I employ a hose adapted to have one end fitted over the valve *c* of the pump, said hose being provided at its other end with a rose-head to convert the forced-up water into spray. This hose, when not in use, may be, for convenience, coiled upon and secured to the cover of the pail.

Adapted to fit tightly over the valve *c* of the force-pump is a tube, K, provided at its upper end with an elbow, *i*, having a downwardly-projecting nozzle, *k*, said elbow being so constructed that the action of the water when forced through will cause it to revolve, there-

by concentrating the full force into one downward stream upon clothes or other articles to be washed in such a manner as to admit of an equal distribution through all parts of the pail or tank.

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

1. The combination, with a suitable pail or tank provided with a sprinkling or washing device, and a force-pump having a piston adapted to be operated by hand, of a treadle-attachment consisting of a rod passing through guides upon the exterior of the pail or tank, and connected at its upper end to the piston-rod, and a spring coiled around it and bearing against the top or cover of said tank or pail and against the bent or upper end of the treadle-rod, whereby the pump is adapted to be operated either by hand or foot power, substantially as specified.

2. A suitable pail or tank having arranged within the same a suitable pump adapted to be operated by hand or foot power, in combination with a shelf or rack and a centrally-arranged tube communicating with the lower extremity of the pump and extending upwardly through the shelf or rack, and provided with sprinklers, one above and the other below said shelf or rack, whereby the water will be forced upward through a single tube and be ejected in opposite directions and at an angle against the articles resting on the shelf, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES L. RUDD.

Witnesses:
E. C. WARREN,
T. I. CRANE.