

C. L. BEACH.
DISH WASHER.
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1,034,676.

Patented Aug. 6, 1912.

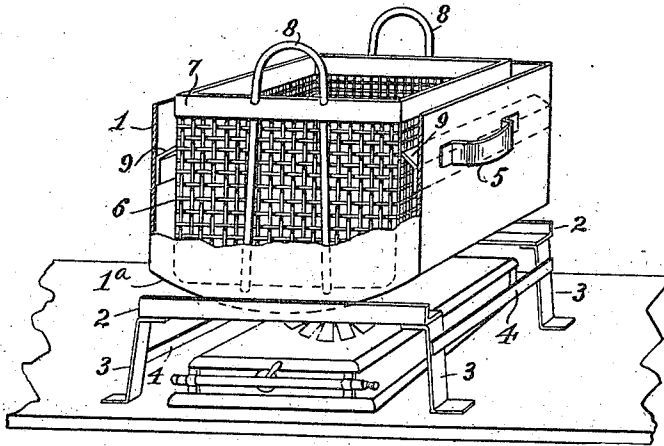


Fig. 1

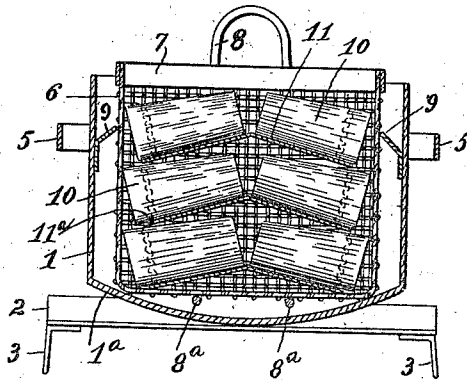


Fig. 2

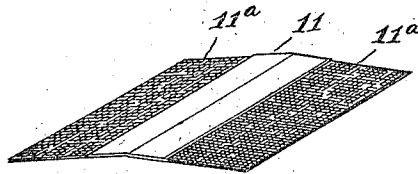


Fig. 3

Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES L. BEACH, OF ANN ARBOR, MICHIGAN.

DISH-WASHER.

1,034,676.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES L. BEACH, a citizen of the United States, residing at Ann Arbor, in the county of Washtenaw and State of Michigan, have invented certain new and useful Improvements in Dish-Washers, of which the following is a specification.

My invention relates to improvements in dish washers, and more particularly to that class or type which are particularly designed and adapted for domestic use.

The primary object of my invention is to provide a generally improved dish washer of exceedingly simple, cheap, and efficient construction, better adapted to its intended purposes than any other device of the same class with which I am acquainted.

A further object of the invention is to improve the construction of the tank and basket and provide means whereby these parts will cooperate with each other to more effectively bring about the objects of the invention.

A still further object is to provide a portable washer of this class which may be readily operated by hand, and provide an improved support for the washer tank whereby the water in the latter may be readily heated from the burner of a gas range or from a specially provided burner attached to the supporting stand immediately below the bottom of the wash tank.

With the above mentioned and other objects in view, the invention consists in the novel construction, arrangement, and combination of parts, hereinafter described, illustrated in one of its embodiments in the accompanying drawings, and particularly pointed out in the appended claim.

Referring to the drawings forming a part of this specification, Figure 1, is a perspective view of the improved washer in its operative position, a portion of one of the side walls being broken away for the purpose of clearer illustration of the parts. Fig. 2, a sectional view of the same, showing the use of article supporting plates for washing glass tumblers and the like. Fig. 3, a perspective view of one of the improved article supporting plates shown in Fig. 2.

Similar numerals of reference designate like parts throughout all the figures of the drawings.

The improved dish washer comprises a rectangular tank or casing 1, provided with a curved bottom 1^a, forming a rocker surface

adapted to be supported on a suitable support, whereby the improved tank may be readily rocked in the washing operation, as hereinafter described.

As a convenient means for supporting the improved rocker tank 1, above the burner of a gas stove or other heating medium, said support, in the present instance, comprises an open supporting stand consisting of angle iron rocker guide members 2, adapted to receive and support the marginal sides of the curved bottom 1^a, said guide members being supported at their ends by means of legs 3, the latter being connected by means of connecting brace bars 4. As a means for rocking the rocker tank 1, as well as a convenient means for handling the latter, the end walls are provided with handle members 5. The improved basket 6, is removably mounted within the rocker tank or casing 1, and comprises suitable wire fabric provided about the upper marginal edges thereof with a rim portion 7. The basket is provided with handles 8, at either side, formed by a wire member bent upon itself and extending beneath the bottom of the basket to form bottom supporting members 8^a, as shown most clearly in Fig. 2, of the drawings.

As a means for directing the water or cleansing liquid inwardly upon the dishes in the basket during the rocking or washing operation, as well as providing means for spacing and holding the basket in proper position relative to the ends of the rocker tank, basket spacing baffle plates 9, are mounted within the opposite lateral or end walls of the washer casing, the flanged portions of said baffle plates extending upwardly and inwardly from said lateral or end walls and toward the interior portions of the basket, whereby the dishes or articles to be cleansed in the latter will alternately receive the deflected streams or currents of the cleansing liquid as the rocker tank is rocked in an obvious manner. The dishes or plates to be cleansed are placed in the basket 6, with the bottom sides up and arranged in layers after which the basket may be readily placed in the rocker tank 1, and cleansed by the rocking of the tank through the medium of the handles 5.

As a convenient means for washing glass tumblers 10, or the like, upwardly dished or arched article supporting plates 11, are provided, the sides of said plates preferably

comprising wire fabric or netting 11^a, as shown most clearly in Fig. 3, of the drawings, said plates being adapted to receive and support layers of tumblers 10, arranged as shown in Fig. 2, of the drawings, the inclined sides 11^a, extending toward the opposite sides of the basket adjacent to the baffle plates 9, so that the deflected liquid deflected during the rocking operation will be directed into and through the open ends of the tumblers 10, thereby readily cleansing the latter in an obvious manner.

While the present embodiment of my invention is particularly designed and adapted for domestic use, it is obvious the capacity of the improved washer may be readily increased as desired without departing from any of the principles or sacrificing any of the advantages of this invention.

From the foregoing description taken in connection with the accompanying drawings, the operation and advantages of my invention will be readily understood.

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

In a dish washer, a rocker tank provided with baffle plates within its ends, a basket mounted therein, and arched article supporting plates mounted in said basket forming transversely extending vaulted passages between said baffle plates.

In testimony whereof I have affixed my signature in presence of two witnesses.

CHARLES L. BEACH.

Witnesses:

WM. A. CLARK,
CLYDE C. KERR.