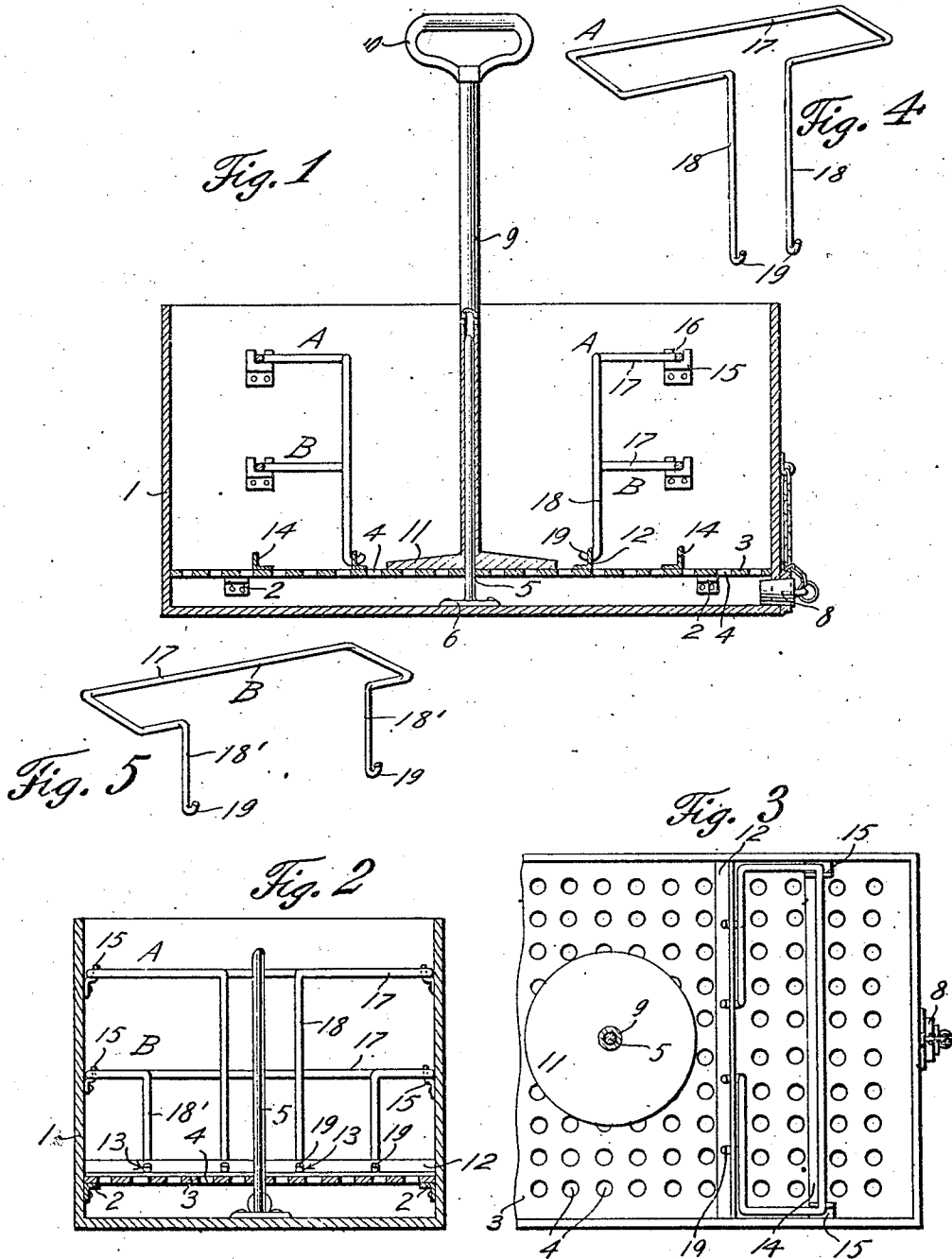


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DISH WASHER.
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ANNA WALTHER, OF PORT TOWNSEND, WASHINGTON.

DISH-WASHER.

958,948.

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To all whom it may concern:

Be it known that I, ANNA WALTHER, a citizen of the United States, residing at Port Townsend, in the county of Jefferson and State of Washington, have invented certain new and useful Improvements in Dish-Washers, of which the following is a specification.

This invention relates to dish washers and is designed particularly to construct a device of this class which will cleanse the dishes by the circulation of water, soaped or otherwise, about the dishes.

The object of this invention is to construct a device of this type and character in which it is possible to set the dishes on edge if so desired and also at the same time guard the same from the agitator.

With the above and other objects in view this invention consists of the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a central longitudinal section of a washer constructed in accordance with the present invention; Fig. 2 is a central transverse section with the agitator removed; Fig. 3 is a top plan view of one extremity of the washer illustrating the manner in which the guards are located in the vessel; Fig. 4 is a perspective view of the upper guard; Fig. 5 is a similar view of the lower guard.

The washer forming the subject-matter of the present invention comprises a rectangular receptacle or vessel 1 having spaced therefrom by the brackets 2 the removable bottom 3; said bottom being provided with a plurality of perforations 4. The false bottom 3 is also provided with a central opening through which extends the rod 5, said rod having a transverse plate 6 at its lower extremity, that permanently attaches to the bottom of the receptacle 1. At one extremity of the rectangular vessel 1 and between the false bottom 3 and the bottom of the vessel is an outlet 7, said outlet being adapted to be closed by the plug 6 carried on the exterior of the vessel 1. This outlet permits the water to be drained from the vessel and also all dirt and like foreign matter to be removed from the interior of the vessel with the water. An agitator comprising a tubular member 9 having a handle 10 at one extremity and a

transverse plate 11 at the other is adapted to reciprocate on the rod 5 by the latter being received within the tubular member 9. This construction of an agitator prevents any displacement of the same and also causes the water to be thoroughly circulated through the entire vessel, which action will remove dirt from the articles contained within the said vessel.

Located transversely on the false bottom 3 is the angle iron 12 secured to said false bottom by bolts passing through the arm of the angle iron resting against said bottom. The other arm of the angle iron 12 is provided with a series of openings 13 in horizontal alinement. A similar angle iron 14 is spaced on the false bottom 3 toward each end of the vessel from the angle iron 12 and forms a means whereby the dishes contained in the vessel may be retained on edge. Located in direct vertical alinement above the angle iron 14 are the brackets 15 so constructed that one terminal thereof is secured to the longitudinal sides of the vessel 1 while the opposite terminal thereto is bent inwardly and has formed in the upper end thereof the recess 16.

An upper and a lower guard indicated in general as A and B respectively are carried in the brackets 15 on each side of the agitator and provide a means for retaining the dishes from contact with the latter and also supply a means of holding the dishes in vertical position. These guards comprise an angular wire frame 17 having formed at right angles thereto the arms 18, at the lower extremity of which are the hooks 19. The lower guard B is constructed exactly similar in all respects to the upper guard A with the exception that the arms 18' thereof are shorter than the arms 18 of the latter and are spaced nearer the extremities of the frame. The frame 17 is so constructed that when the corners thereof oppositely disposed to the arms 18 and 18' are held in the recesses 16 of the brackets 15, the longitudinal side of the frame carrying the arms 18 and 18' will be approximately in vertical alinement with the arm of the angle iron 12 in which is formed the openings 13. Thus it will be seen that the hooks 19 are placed within the openings 13 and the arms and the frame are held in the recess 16 of the brackets 15 forming a substantial guard for the agitator.

From the foregoing it will readily be

seen that upon the vertical reciprocation of the agitator, the water will be circulated through and about the dishes contained within the rectangular vessel 1 causing all dirt to be removed therefrom and sifted through the false bottom 3 into the space between the same and the bottom of the vessel from which it can be drawn through the opening 7. The dishes may be placed upon end within the vessel by resting one edge against the angle iron 14 and the other either against the transverse end of the vessel 1 or against the lower guard B.

It will also be seen that the removable feature of the false bottom and the guards and the simplicity of the construction thereof facilitates the cleansing and the sanitation of the device.

Having thus described my invention, what is claimed as new is:

1. A dish washing apparatus comprising a vessel having an outlet port adjacent the bottom of one extremity thereof and a closure for said outlet port, a perforated false bottom spaced from the bottom of the receptacle above said outlet port, a guide rod centrally disposed in the base of said receptacle and extending outwardly through the false bottom, an agitator reciprocating above said false bottom and about said guide rod, and means for retaining the dishes from contact with said agitator and also means for supporting the same on edge.

2. A dish washing apparatus comprising a vessel having an outlet port adjacent the bottom of one extremity thereof and a closure for said outlet port, a perforated false bottom spaced from the bottom of the receptacle above said outlet port, a guide rod centrally disposed in the base of said receptacle and extending outwardly through the false bottom, an agitator reciprocating upon said guide rod consisting of a tubular member adapted to incase said guide rod having a handle at one extremity and a transverse plate at the other, and means for retaining the dishes from contact with said agitator and also means for supporting the same on edge.

3. A dish washing apparatus comprising a vessel having an outlet port adjacent the bottom of one extremity thereof and a closure for said outlet port, a perforated

false bottom spaced from the bottom of the receptacle above said outlet port, a guide rod centrally disposed in the base of said receptacle and extending outwardly through the false bottom, an agitator reciprocating upon said guide rod consisting of a tubular member adapted to incase said guide rod having a handle at one extremity and a transverse plate at the other, and independently removable guards disposed in vertical alinement on each side of said agitator.

4. A dish washing apparatus comprising a rectangular vessel, a perforated false bottom spaced from the bottom of the vessel having secured thereto at each extremity thereof a series of parallel angle irons, the innermost of said angle irons having their vertical arms apertured, a vertical guide rod permanently secured to the base of the vessel and extending upwardly through the false bottom, an agitator reciprocating on said guide rod, brackets secured to the longitudinal sides of said vessel in vertical alinement, and guards carried at one side thereof by said brackets and the other by the innermost of said angle irons, as and for the purpose set forth.

5. A dish washing apparatus comprising a rectangular vessel, a perforated false bottom spaced from the bottom of the vessel having secured thereto at each extremity thereof a series of parallel angle irons, the innermost of said angle irons having their vertical arms apertured, a vertical guide rod permanently secured to the base of the vessel and extending upwardly through the false bottom, an agitator reciprocating on said guide rod, brackets secured to the longitudinal sides of said vessel in vertical alinement, and guards comprising a rectangular wire arm, one side of which is adapted to be supported by said brackets, the other side carrying outwardly extending arms, said arms having hooks formed at the extremities thereof, said hooks cooperating with the openings in said innermost angle irons.

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

ANNA WALTHER.

Witnesses:

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