

March 31, 1931.

W. B. TAYLOR

1,798,387

DISHWASHER

Filed May 15, 1929

2 Sheets-Sheet 1

*Fig. 1.*

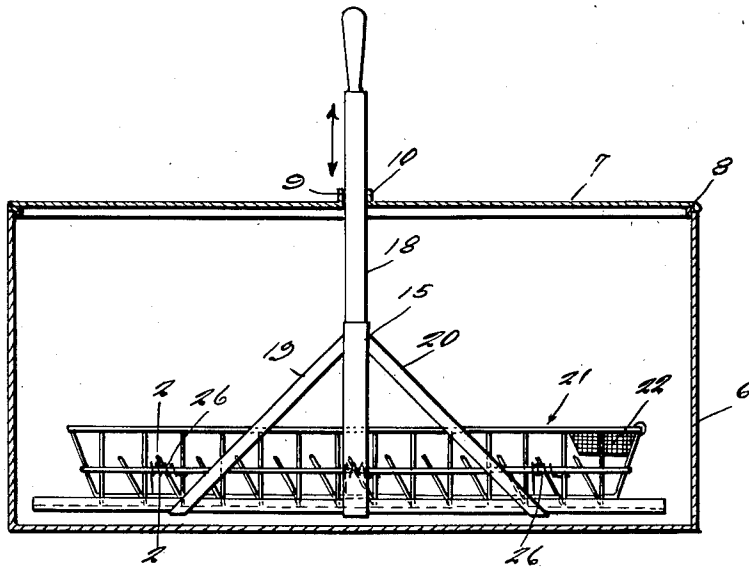


*Fig. 2.*

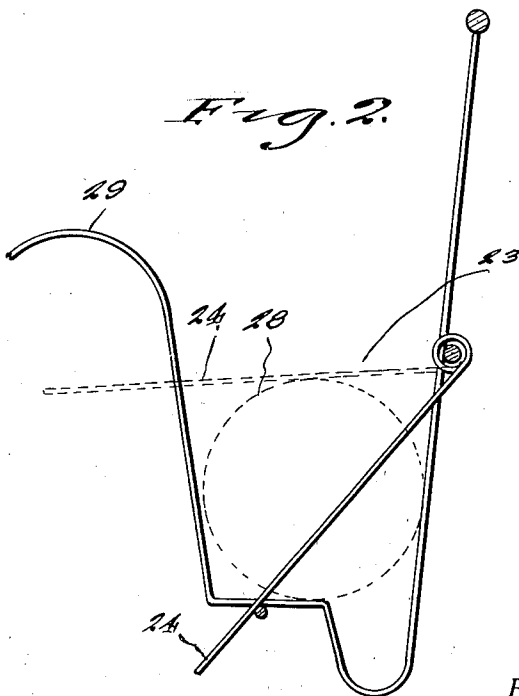
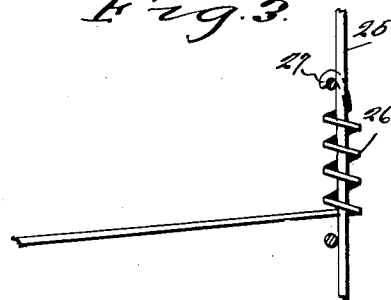


*Fig. 3.*



Inventor

*Wilson B. Taylor*

By *Clarence A. O'Brien*  
Attorney

March 31, 1931.

W. B. TAYLOR

1,798,387

DISHWASHER

Filed May 15, 1929

2 Sheets-Sheet 2

*Fig. 4.*

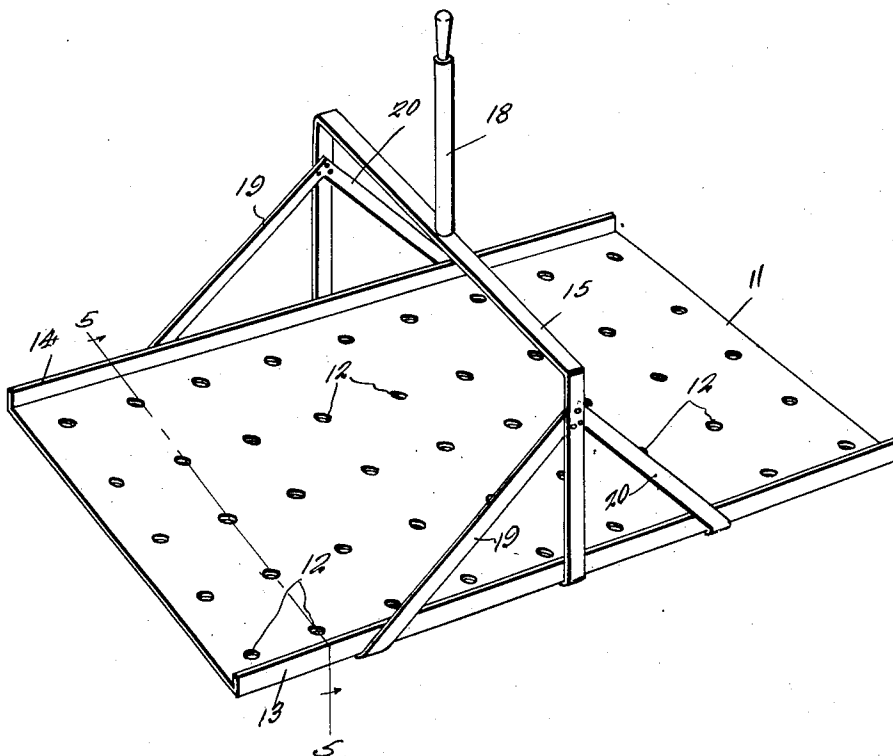
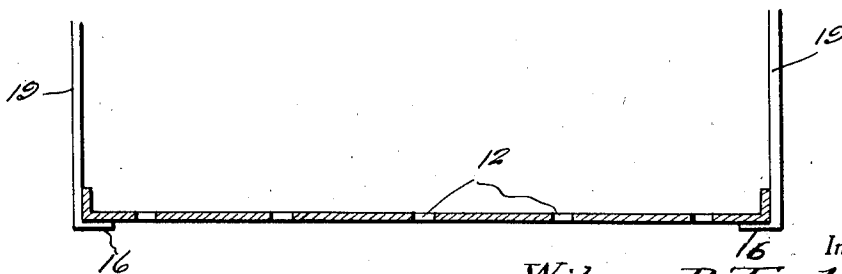


*Fig. 5.*



Inventor  
*Wilson B. Taylor*

By *Clarence A. O'Brien*  
Attorney

## UNITED STATES PATENT OFFICE

WILSON B. TAYLOR, OF UNIONTOWN, PENNSYLVANIA

## DISHWASHER

Application filed May 15, 1929. Serial No. 383,346.

This invention relates to dish washers and particularly to hand operated dish washers, and an object of the invention is to provide a supporting tray in spaced relation to the sides of the container, and a foraminous bottom on the tray so that the dishes being washed will receive the benefit of cross currents of water.

Another object of the invention is to provide a dish holding basket with resilient arms to prevent the movement of articles being washed while the basket is being moved upwardly and downwardly.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a device of the character referred to, which is very simple in its method of assembly, strong, durable, thoroughly reliable in its operation, and comparatively inexpensive to manufacture and operate.

With the foregoing and other objects in view, the invention consists in the novel construction, combination and arrangement of parts as will be hereinafter more specifically described and illustrated in the accompanying drawings, wherein is disclosed an embodiment of the invention, but it is to be understood that changes, variations and modifications may be resorted to, without departing from the spirit of the claim hereunto appended.

In the drawings, wherein like reference characters denote corresponding parts throughout the several views:

Figure 1 is a longitudinal vertical section through the hollow receptacle, illustrating the structure in accordance with this invention in side elevation.

Figure 2 is a fragmentary enlarged transverse sectional view, taken substantially on the line 2—2 of Figure 1.

Figure 3 is a fragmentary top plan of a portion of the basket enlarged and illustrating the structure of the resilient arm in accordance with this invention.

Figure 4 is a perspective view of the tray in accordance with this invention, and

Figure 5 is a transverse section of the tray substantially on the line 5—5 of Figure 4 and looking in the direction of the arrows.

Referring to the drawings in detail, 6 indicates a hollow receptacle of substantially rectangular configuration having an opening in the top and adapted to receive the wash water for washing the dishes as will presently appear. A lid 7 is formed with an inwardly directed flange 8 about its perimeter which frictionally engages with the upper edges of the receptacle walls 6, whereby the lid is supported over the top of the receptacle. The lid 7 is provided with a central opening 9, about which is disposed an upwardly directed flange 10, which forms a wide bearing surface for the handle to be presently referred to, which extends therethrough. The flange also materially aids as a stuffing box to prevent wash water from splashing through the opening 9.

A substantially rectangular flat tray 11 is adapted to be movably supported within the receptacle 6, in spaced relation to all sides thereof, so that when the tray is moved upwardly and downwardly, the water will flow over all sides thereof and the flat tray 11 is further provided with a plurality of rows of openings 12, so that jets of water will be directed vertically above the tray at the same time that the water is flowing over the sides thereof. Along the longitudinal opposite side edges of the tray there is formed a pair of flanges 13, 14 to prevent the basket, to be presently described from slipping from the sides thereof.

A substantially inverted U-shaped strap 15 is disposed transversely across the tray midway between the ends thereof and has the inner ends of the legs turned under and secured to the bottom of the tray as at 16, 17, whereby the ends are secured to the tray. The bight portion of the strap 15 is disposed in spaced relation to the upper face of the tray and provides a space for sliding the basket to be presently described thereunder. Secured to and projecting vertically above the bight portion of the strip 15 and at the center thereof is a handle 18, which projects through the opening 9 and the flange 10, whereby the tray may be moved up and down as will be understood by the arrow in Figure 1 of the drawings.

The strap 15 is provided with a pair of diagonal braces 19, 20, the ends of which are secured to the legs of the strap and the tray by any suitable means. A pair of braces are provided for each leg of the strap 15 on each side thereof.

An open wire basket 21 is adapted to be removably supported on the tray 11 wherein is supported the dishes or other articles to be washed. At one end of the basket is provided a wire compartment 22, for supporting the silverware to be washed. The basket is of substantially rectangular configuration and is of slightly less dimensions than the tray 11. A pair of continuous countersunk pockets extend longitudinally of the basket at the sides thereof, for the purpose of holding round or cylindrical shaped articles to be washed. One of the continuous pockets is indicated at 23 and is clearly illustrated in Figure 2 of the drawings. A plurality of rockable resilient arms 24 have one end coiled around the side 25 of the basket as indicated at 26 and the end of the coil is clinched to the basket as at 27. The coil 26 exerts a downward pressure upon the arm 24, and it normally rests in the position shown in Figure 2 of the drawings. When articles as indicated at 28 are placed in the pocket 23, the arms 24 may be moved to the position shown in dotted lines in Figure 2, whereby the resilient arms will abut against the article and hold them secured during the movement of the basket in the washing operation.

Intermediate the side longitudinal pockets there are provided conventional rests for supporting dishes edgewise in the basket, so as to receive the maximum washing effect. The fragmentary portion of one of the rests is indicated at 29, in Figure 2 of the drawings.

What is claimed is:

In a dish washer of the character described, an elongated fabricated basket including longitudinal and transverse rods bent in a manner to provide side walls, end walls and a bottom, the transverse rods further being bent in a manner to provide a dish receiving pocket at one longitudinal marginal portion of the basket, coil springs mounted at spaced points on one of the longitudinal rods of the side wall of the basket which is adjacent the pocket and having one end anchored thereto, said one side wall constituting the outer side of the pocket, retaining arms connected to the other ends of the springs for actuation thereby and disposed transversely for swinging movement in the pocket for engagement with the dishes therein, the free end portions of the arms being operable between intermediate portions of certain of the transverse rods.

In testimony whereof I affix my signature.

WILSON B. TAYLOR.