No. 671,976. Patented Apr. 16, 1901.

J. PARROTTE.

DISH WASHER.

(Application filed Oct. 26, 1900.)

(No Model.)

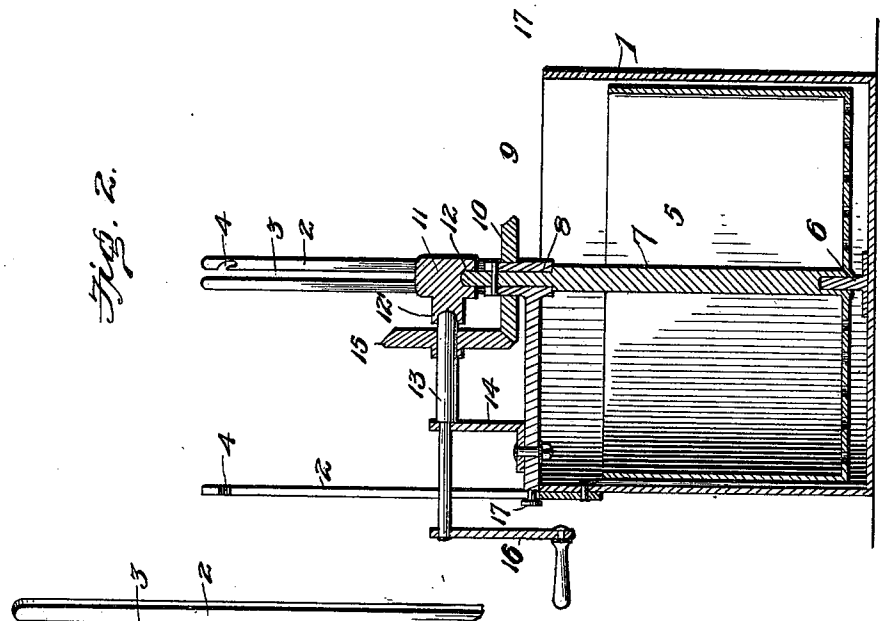


Fig. 2.

Fig. 3.

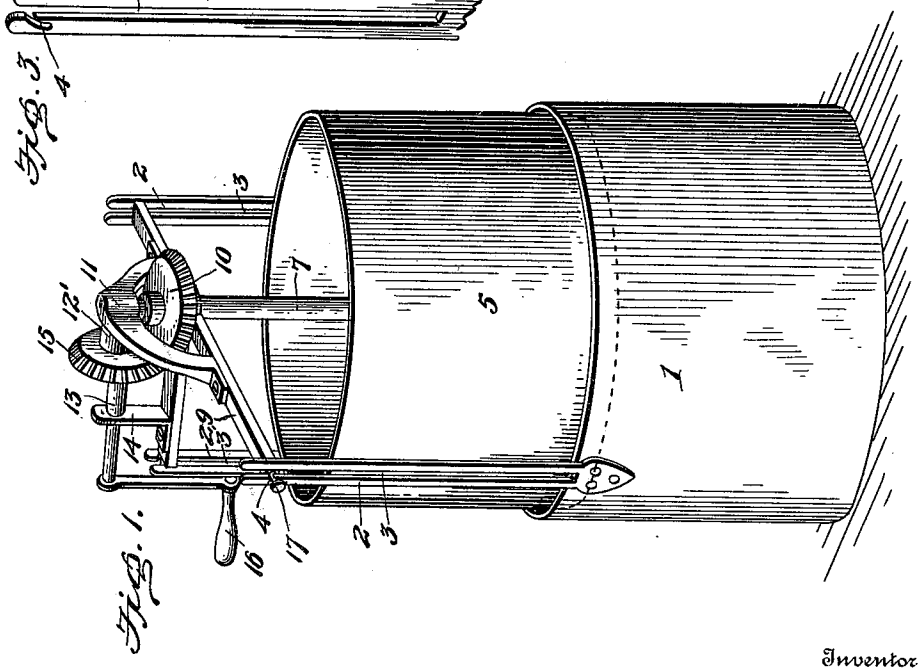


Fig. 1.

Witnesses

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UNITED STATES PATENT OFFICE.

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DISH-WASHER.

SPECIFICATION forming part of Letters Patent No. 671,976, dated April 16, 1901.

Application filed October 26, 1900. Serial No. 34,530. (No model.)

To all whom it may concern:

Be it known that I, JENNIE PARROTTE, a citizen of the United States, residing at Marquette, in the county of Marquette and State of Michigan, have invented certain new and useful Improvements in Dish-Washers; and I do 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.

The invention relates to dish-washers.

The object of the invention is to provide a simple, durable, and inexpensive device of this character by means of which dishes may be easily and quickly cleansed and dried.

With this object in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved dish-washer, showing the dish-receptacle elevated to permit of the draining of the dishes. Fig. 2 is a longitudinal sectional view with the dish-receptacle lowered into the water-receptacle. Fig. 3 is a detail perspective view of one of the supporting-arms.

In the drawings the same reference characters indicate the same parts of the invention.

1 denotes the water-receptacle, preferably circular in form, as shown, and provided with upwardly-extending supporting-arms 2, having vertical slots 3, intersected by transverse notches 4 at the upper ends.

5 denotes the dish-receptacle, having a bottom of foraminous or reticulated material and provided on its under side with a socket to fit a stud-bearing 6, projecting from the bottom of the water-receptacle.

7 denotes a post projecting vertically from the bottom of the dish-receptacle upwardly through a bearing 8, formed in the hub of a spider 9. The upper end of the post is provided with a gear-wheel 10.

11 denotes a bracket-bearing removably secured to two of the arms of the spider and provided with a bearing-socket 12 for the extreme upper end of the post and with a lateral tubular bearing-socket 12′ to receive one end of the shaft 13, the other end of which is journaled in a removable bracket-bearing 14. This shaft is provided with a fixed gear-wheel 15, that meshes with the gear-wheel 10 and is rotated by a crank 16.

The outer ends of the spider-arms slide vertically in the slots of the vertical supports and are provided with heads 17 to prevent the accidental disconnection of the arms from the supports.

In operation the dishes to be cleaned are placed within the dish-receptacle, which is then lowered into the water-receptacle, which has been previously filled with water. By turning the crank back and forth in opposite directions the water will be forced violently against the dishes and thoroughly clean them. After they have been cleaned the dish-receptacle is elevated and is given a slight turn to spring the outer ends of the spider-arms into the notches aforesaid, in which position the dish-receptacle will be held above the water in the water-receptacle and the dishes be permitted to drain. To lower the dish-receptacle into the water-receptacle, the former is given a partial turn, and the outer ends of the spider-arms will be disengaged from the transverse notches and will permit of the dish-receptacle being lowered into the water-receptacle.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of the invention will be readily apparent without requiring an extended explanation.

The device is exceedingly simple, may be made at small cost, and is well adapted for the purpose for which it is designed; and it will of course be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention,

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

In a dish-washer, the combination with the water-receptacle provided with vertical supports having longitudinal slots intersected by transverse notches, of a dish-receptacle provided with a vertical post, a spider the ends of which are adapted to engage the slots in

the notches of said supports, said post projecting through a bearing-aperture in the hub of the spider, a gear-wheel fixed to the upper end of said post, a bracket-bearing removably secured to two of the spider-arms and provided with a bearing for the upper end of said post and with a lateral bearing, a second bearing-bracket removably secured to one of the spider-arms, a shaft having one end journaled in this bearing-bracket and the other end journaled in the lateral bearing aforesaid, a gear-wheel fixed to the said shaft and in mesh with the first-named gear-wheel, and a crank for rotating said shaft, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JENNIE PARROTTE.

Witnesses:
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