No. 719,936. PATENTED FEB. 3, 1903.

M. D. COLBATH.

DISH CLEANER.

APPLICATION FILED DEC. 16, 1901.

NO MODEL.

Fig. 1.

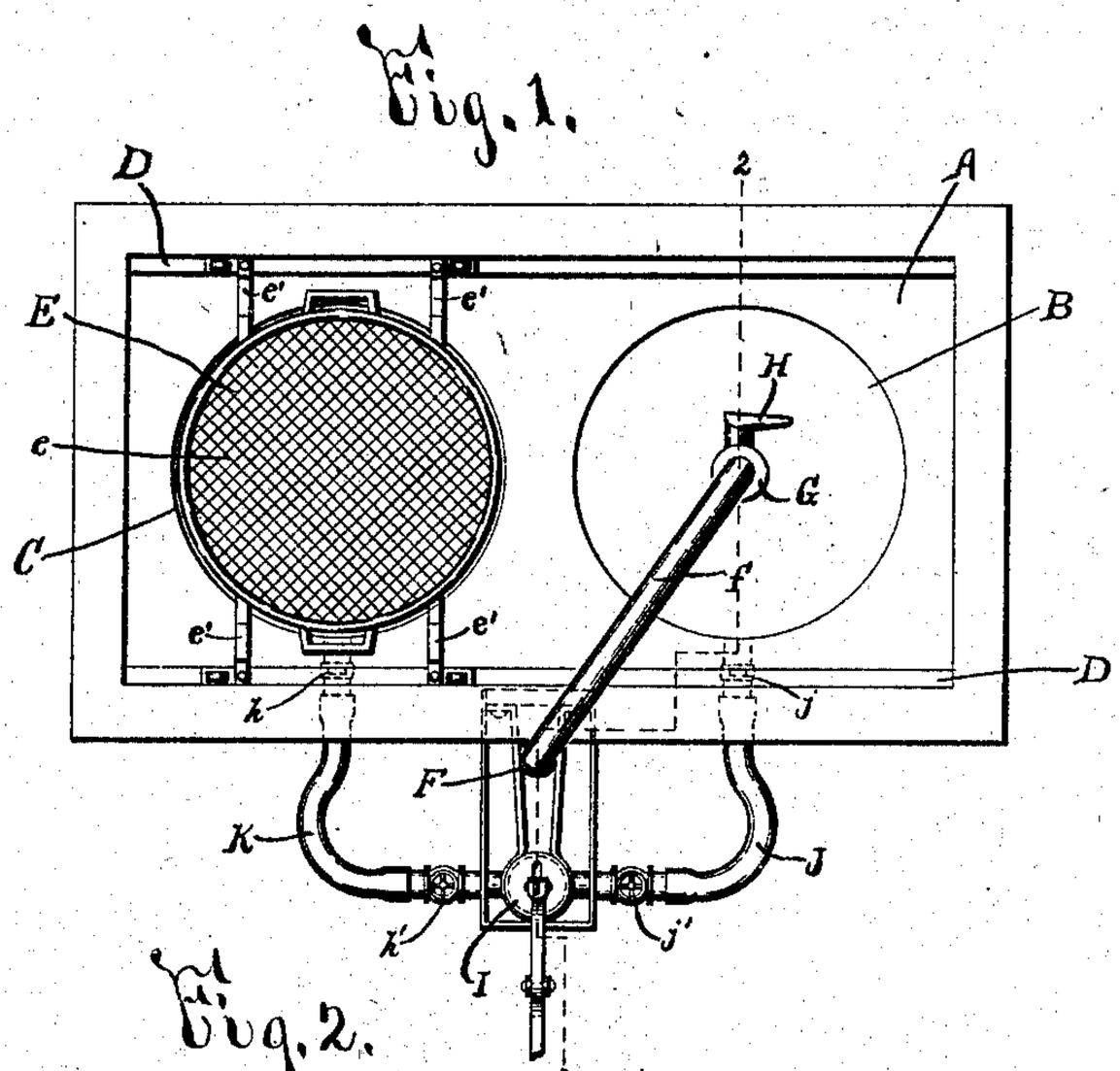
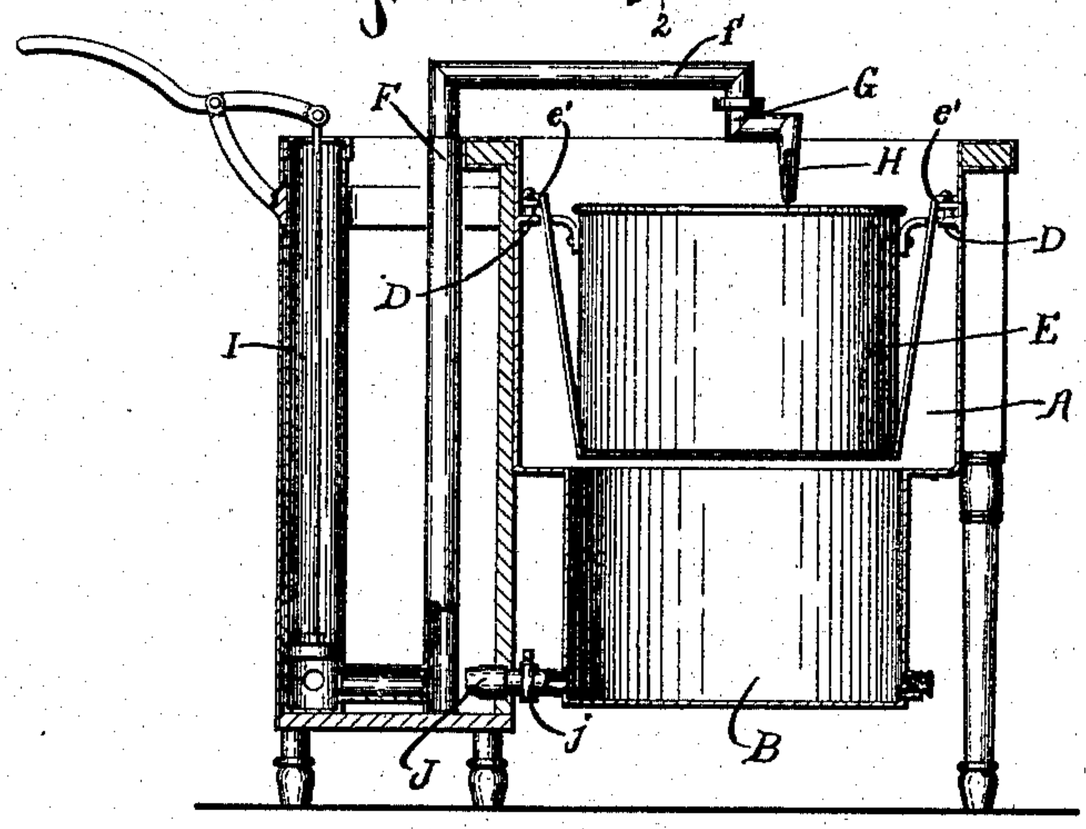


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MONROE D. COLBATH, OF EASTON, MAINE.

DISH-CLEANER.

SPECIFICATION forming part of Letters Patent No. 719,936, dated February 3, 1903.

Application filed December 16, 1901. Serial No. 86,052. (No model.)

To all whom it may concern:

Be it known that I, MONROE D. COLBATH, of Easton, in the county of Aroostook and State of Maine, have invented a certain new and useful Dish-Cleaner, of which the following is a specification.

This invention has for its object the production of a dish-cleaner which is particularly simple in construction and highly durable and efficient in use; and to this end it consists in the devices and combinations hereinafter described and claimed.

Figure 1 is a top plan view of a preferable embodiment of my dish-cleaner. Fig. 2 is a vertical sectional view taken on line 2 2, Fig. 1.

The illustrated embodiment of my dish-cleaner consists, essentially, of a chamber A, washing and rinsing fluid-containing wells B C, a track D, a dish-containing receptacle E, and means for discharging the washing and rinsing fluids upon the dishes in the receptacle E.

The chamber A and the wells B C are of any desirable form, size, and construction, although the chamber A is usually elongated and the wells B C, which are in construction duplicates of each other, formed cylindrical. Said wells B C depend one in advance of the other from the ends of the chamber A, communicate at their tops with said chamber, and are heated at their lower ends by any desirable means, (not shown,) as gas-burners.

The track D is arranged within the chamber A, extends lengthwise thereof, and is of any suitable construction, being herein shown as longitudinal rails projecting from the inner faces of opposite sides of the chamber A.

As preferably constructed the dish-containing receptacle E is provided with a perforated bottom *e* and with opposite arms *e' e'*, supported on the track D and movable lengthwise thereof from above one well to a position above the other.

The means for discharging the washing and rinsing fluids upon the dishes in the receptacle E is here shown as consisting of a stand-pipe F, having its upper end provided with a rocking lateral extension *f*, the free end of which is movable above the fluid-containing wells B C and the receptacle E, a discharge-pipe G, depending from the free end of the lateral extension *f*, a revoluble fan-shaped nozzle H, loosely mounted on the lower end of the pipe G, a pump I, discharging into the stand-pipe F, and means, as pipes J K, check-valves *j k*, and valves *j' k'*, for connecting the pump I to either well B C independently and controlling the passage of the washing and rinsing fluids from said wells.

Although I preferably use both rinsing and washing wells, it is obvious that the rinsing-well may be dispensed with and that the dishes may be rinsed in a second machine or by hand.

In the operation of the illustrated construction of my invention the dishes are filled within the receptacle E, and said receptacle is arranged above the washing-well B. The valves *j' k'* are then adjusted so that the pump is connected to the well B and disconnected from the well C, whereupon said pump is actuated and discharges the washing fluid upon the dishes. The nozzle H is of such construction that the water is discharged and deflected to all parts of the dishes irrespective of their shape and thoroughly washes the same, and as said nozzle is loosely mounted and free to rotate it is revolved by the force of the water, and its revolution discharges the washing fluid to all parts of the receptacle E. Said nozzle may, however, be restrained in its revolution by the operator's hand for the purpose of discharging the washing fluid for a limited length of time upon an unusually dirty dish. After the dishes are washed the receptacle E and the nozzle H are moved above the well C and the valves *j' k'* are adjusted for disconnecting the pump from the well B and connecting the same to the well C, whereupon the pump is actuated for discharging the rinsing fluid upon the dishes in the receptacle E.

The construction and operation of my dish-cleaner will now be readily understood upon reference to the foregoing description and the accompanying drawings, and it will be apparent that more or less change may be made in the component parts thereof without departing from the spirit of my invention.

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

1. A dish-cleaner comprising an elongated chamber, washing and rinsing fluid containing wells depending from the chamber, a track extending lengthwise of the chamber, a dish-containing receptacle movable along the track from one well to the other, and means for discharging the washing fluid upon the dishes in the receptacle, substantially as and for the purpose specified.

2. A dish-cleaner comprising an elongated chamber, washing and rinsing fluid containing wells depending from the chamber, a track extending lengthwise of the chamber, a dish-containing receptacle movable along the track from one well to the other, a stand-pipe having its upper end provided with a lateral extension arranged above the receptacle, a discharge-pipe depending from the lateral extension and provided with a revoluble fan-shaped nozzle, and a pump communicating with the well and stand-pipe, substantially as and for the purpose set forth.

3. A dish-cleaner comprising washing and rinsing fluid containing wells, a dish-containing receptacle movable from one well to the other, a stand-pipe having its upper end provided with a rocking lateral extension, the free end of which is movable above the fluid-containing wells, a discharge-pipe depending from the lateral extension and provided with a revoluble fan-shaped nozzle, a pump discharging into the stand-pipe, and means for connecting the pump to either well independently, substantially as and for the purpose specified.

4. A dish-cleaner comprising an elongated chamber, washing and rinsing fluid containing wells depending from the chamber, a track within the chamber extending lengthwise thereof, a dish-containing receptacle movable along the track within the chamber from one well to the other, a stand-pipe having its upper end provided with a rocking lateral extension, the free end of which is movable above the fluid-containing wells, a discharge-pipe depending from the lateral extension and provided with a revoluble fan-shaped nozzle, a pump discharging into the stand-pipe, and means for connecting the pump to either well independently, substantially as and for the purpose set forth.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 13th day of December, 1901.

MONROE D. COLBATH.

Witnesses:
S. DAVIS,
D. LAVINE.