(No Model.)

W. B. BOND.

DISH CLEANER.

No. 553,329. Patented Jan. 21, 1896.

Fig. 1.

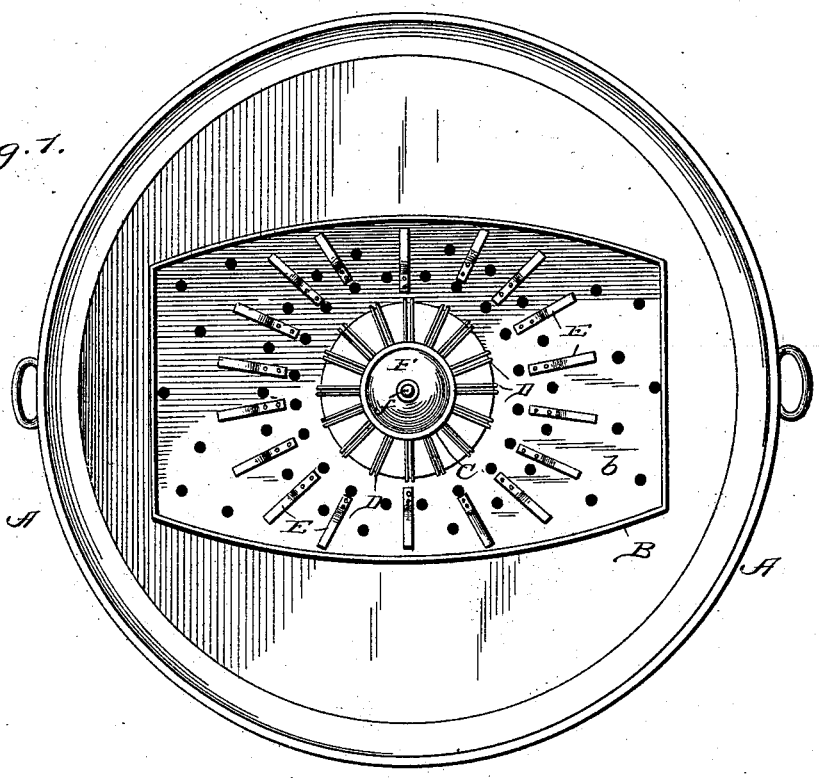

Fig. 2.

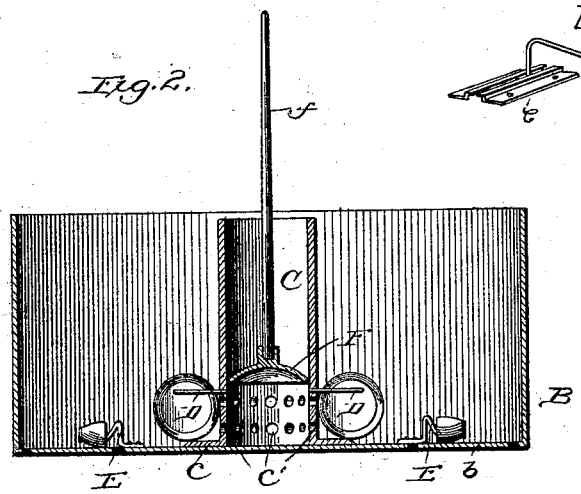

Fig. 3

Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM BEEBE BOND, OF PERSONVILLE, TEXAS.

DISH-CLEANER.

SPECIFICATION forming part of Letters Patent No. 553,329, dated January 21, 1896.

Application filed October 10, 1895. Serial No. 565,212. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BEEBE BOND, a citizen of the United States, residing at Personville, in the county of Limestone and State of Texas, have invented certain new and useful Improvements in Dish-Cleaners; and I do hereby 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 object of my invention is to provide a dish-cleaner adapted to be used in a sink or any independent receptacle for holding the water.

It is also my object to provide a dish-cleaner with means for forcing air through the water and in contact with the submerged dishes.

It is also my object to provide a dish-cleaner having a water-agitator surrounded with supports for holding the dishes or other articles in a vertical position in close proximity to the outlet-ports of the agitator.

In the accompanying drawings, forming a part of this specification, Figure 1 is a plan view showing my dish-cleaner provided with a water-receptacle. Fig. 2 is a longitudinal section showing my dish-cleaner adapted for use with a sink or other water-receptacle. Fig. 3 is a modification of the cup-holder.

Referring more particularly to the drawings, A denotes a water-receptacle.

B denotes a receptacle having a perforated bottom *b*.

C denotes a sheet-metal cylinder formed with flanges *c* at its lower end, by which it is soldered or otherwise secured to the bottom *b*.

c' denotes perforations extending around the lower portion of the cylinder. D denotes a series of wire pins rigidly secured to said cylinder, their arms being flexible and radiating from its perimeter at a point above the perforations *c'*. Said pins are arranged in close proximity, forming together a dish-rack, sufficient space being allowed between the arms to insert the side or end of a dish or other article.

E denotes a series of clamps rigidly secured by their bent ends to the bottom *b*, and clamps E', Fig. 3, are adjustably secured to brackets *e* fixed to said bottom.

F denotes a bell-mouthed plunger which works within the cylinder C. Said plunger serves to force air and water through the perforations *c'* at the lower end of the cylinder, and is provided with a stem *f* terminating in a handle that projects above the cylinder.

The dishes or other articles to be cleaned rest on edge on the perforated bottom *b* around the cylinder over and in front of the perforations *c'*. They are held in this position by the rack formed of the pins D. The clamps E or E' are designed to hold cups, tumblers or like articles on their sides and prevent them turning up or down as the air and water are forced into them. Said articles are arranged in a circle around the dishes with their open ends directed toward the perforations in the lower end of the cylinder.

In operation my dish-cleaner forces the air through the perforations in the lower end of the cylinder and causes it to ebulliate the water, and as it rises to the surface the air-bubbles are brought in contact with the inside and outside of each article, thus forcibly agitating the water and cleaning the dishes and other articles.

Having shown and described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a dish cleaner, the combination of a dish receptacle, a cylinder centrally located within said receptacle and perforated near its lower end, pins radiating from the cylinder for supporting the dishes on edge in front of and over said perforations, and means for forcing air and water through said perforations and in contact with said dishes.

2. In a dish cleaner, the combination of a dish receptacle, a centrally located cylinder perforated near its lower end, means for forcing the air and water through said perforations, and the clamps E secured to the bottom of the water receptacle and adapted to clamp cups and dishes on their sides to said bottom opposite to the perforations in said cylinder.

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

WILLIAM BEEBE BOND.

Witnesses:

H. T. HANCOCK,

G. S. BRINSON.