J. J. HOFFMAN.

DISH-WASHER.

No. 193,249. Patented July 17, 1877.

Fig. 1.

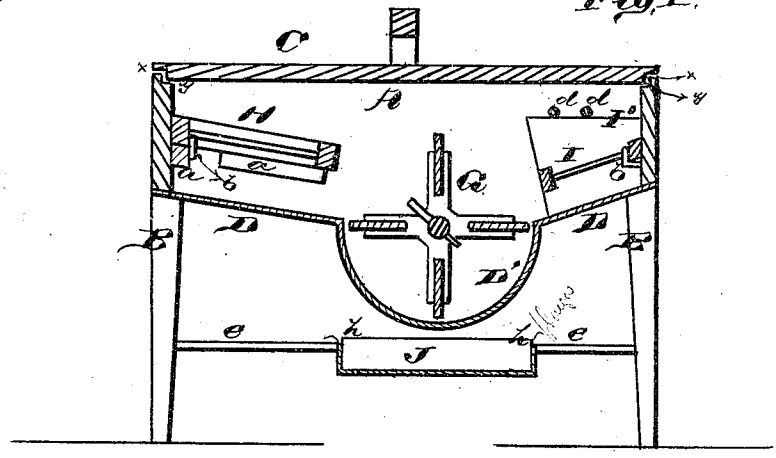
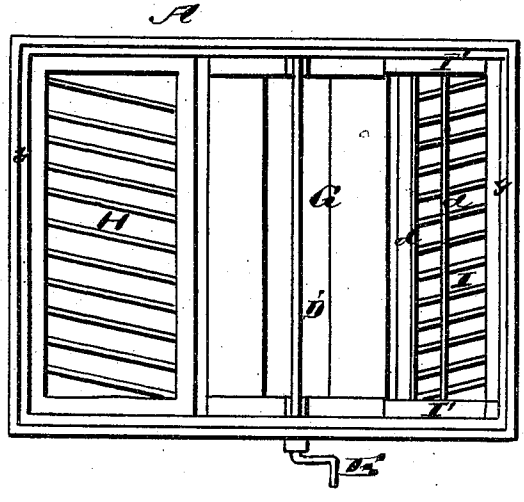


Fig. 2.



WITNESSES

E. H. Bates

George E. Upham

INVENTOR.

Julia James Hoffman.

Edmonds & Fairbanks

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JULIA J. HOFFMAN, OF GARNETT, KANSAS.

IMPROVEMENT IN DISH-WASHERS.

Specification forming part of Letters Patent No. 193,249, dated July 17, 1877; application filed May 5, 1877.

To all whom it may concern:

Be it known that I, JULIA J. HOFFMAN, of Garnett, in the county of Anderson and State of Kansas, have invented a new and valuable Improvement in Dish-Washers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical sectional view of my dish-washer, and Fig. 2 is a top plan view of the same.

The nature of my invention consists in the construction and arrangement of a machine for washing dishes, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents a box, of any suitable dimensions, supported upon legs B B, and provided with a tight-fitting lid, C.

The bottom of the box A forms an incline, D, at each end, and between the lower edges of the two inclines is formed a semicircular pan, D′, as shown.

In this pan is placed a paddle-wheel, G, having its bearings in the sides of the box, and rotated by means of a crank, E, applied to one of the journals outside of the box.

The two inclines D D are of unequal width, and above the wider one is a rack, H, placed upon edges *a a* on the inside of the box, and held by hooks *b b*. Over the narrower incline is a similar rack, I, provided with end pieces I′, that rest on said incline and have rods *d* connecting their upper ends above the rack, said rack being also held by means of hooks *b*.

The water being placed in the pan D′, and the wheel G rotated, said wheel throws the water on and over the dishes placed on the racks. The water being hot, the steam dries the dishes after they are washed, and the dishes can remain in the washer or be taken out as desired.

This machine will wash a quantity of dishes at once by simply rotating the wheel a few revolutions, and in the course of a few minutes the dishes are drained and ready to be put away.

J represents a pan, provided at its ends with flanges *h h*, to rest on rods *e e*, which are fastened in the legs B, below the box. This pan or box is intended to hold a pan of coals to keep the water hot.

When necessary to clean the inside of the box the wheel and racks can be readily removed, and afterward put in again.

The lid C is formed with rabbet, *x*, around its edges, and rests upon a corresponding rabbet, *y*, in the top edge of the box.

What I claim as new, and desire to secure by Letters Patent, is—

A dish-washing machine, having wheel G, bottom D D D′, racks H I, rods *e e*, and pan J, all substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JULIA JAMES HOFFMAN.

Witnesses:

JOHN J. HOFFMAN,

L. K. KIRK.