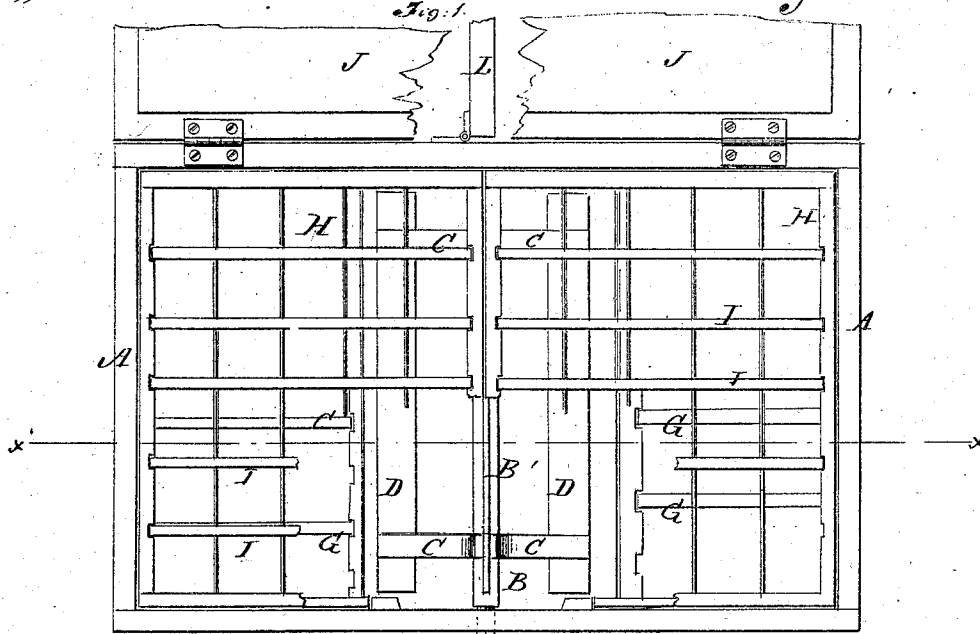
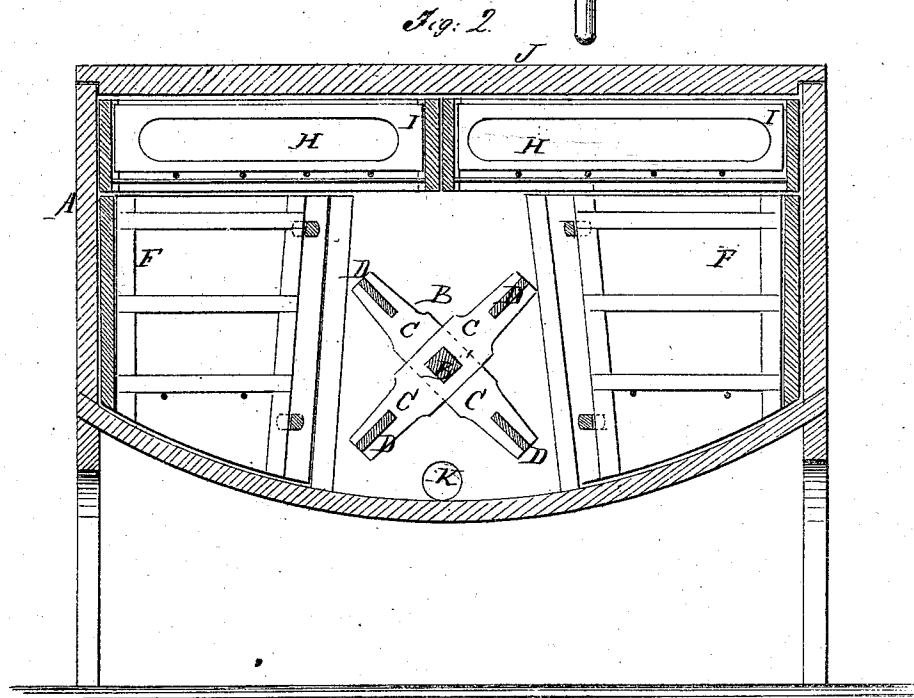


PATENTED AUG 1 1871.
Mrs. H. C. Robertson's Dish Washing Machine.



117568



Witnesses:
Chas. Nida.
Wm. H. C. Smith.

Inventor:
Mrs. H. C. Robertson.

PER *Wm. H. C. Smith.*
 Attorneys.

UNITED STATES PATENT OFFICE.

HARRIET C. ROBERTSON, OF EAST SAGINAW, MICHIGAN.

IMPROVEMENT IN DISH-WASHING MACHINES.

Specification forming part of Letters Patent No. 117,568, dated August 1, 1871.

To all whom it may concern:

Be it known that I, Mrs. HARRIET C. ROBERTSON, of East Saginaw, in the county of Saginaw and State of Michigan, have invented a new and useful Improvement in Dish-Washing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The object of this invention is to provide convenient means for cleansing dishes by machinery, thus saving much time and labor; and the invention consists in the construction and arrangement of parts hereinafter described.

In the accompanying drawing, Figure 1 represents a top or plan view of the machine with the cover thrown back. Fig. 2 is a vertical section of Fig. 1 taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A represents a box elevated so as to be of convenient height, preferably with a circular or inclined bottom, to conduct the water to one point; but this is not an indispensable feature, as the machine will work with a flat or level bottom. B is the washing-wheel, which revolves transversely in the vessel, formed of a shaft, B', and arms C, more or less in number, to which are attached the wings D. This washing-wheel is revolved by means of a crank, E, on one end of the wheel-shaft, and is placed so that the wings will sweep a short distance from the bottom. F represents removable racks, which fit into the box A on either side of the washing-wheel, provided with vertical slides G, for separating the plates or dishes which are placed in the machine. Above the racks F and the washing-wheel are removable

trays H, one or more, with lattice bottoms, and with slides I constructed and arranged so as to admit and support any kind of dishes which it may be desired to put into the machine.

I do not confine myself to any particular construction or arrangement of the racks or trays; but construct and arrange them in such a manner that the space each side and above the wheel shall be utilized and the whole made convenient for placing in the machine and removing therefrom ordinary table-dishes, and so that when placed in the machine they shall be exposed separately to the action of the water or suds employed in the washing process.

When sufficient quantity of hot water and soap has been placed in the machine and the cover J has been fastened down, the wheel is turned six or eight revolutions in either or both directions, when the water is drawn off through the orifice K, and clean hot water is introduced and the wheel is again revolved. This completes the washing. The water is drawn off and the cover is raised, which allows the steam or vapor to escape. This soon dries the dishes, and they are again ready for use. L is a hinged bracket on the back of the machine for supporting the cover when the latter is thrown back, as seen in Fig. 1.

With this machine the tedious and disagreeable operation of washing dishes is reduced to a mere pastime.

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

The box or vessel A, washing-wheel B, racks F, and trays H, constructed and arranged substantially as and for the purposes described.

Mrs. HARRIET C. ROBERTSON.

Witnesses:

WILLIAM BAKER,
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