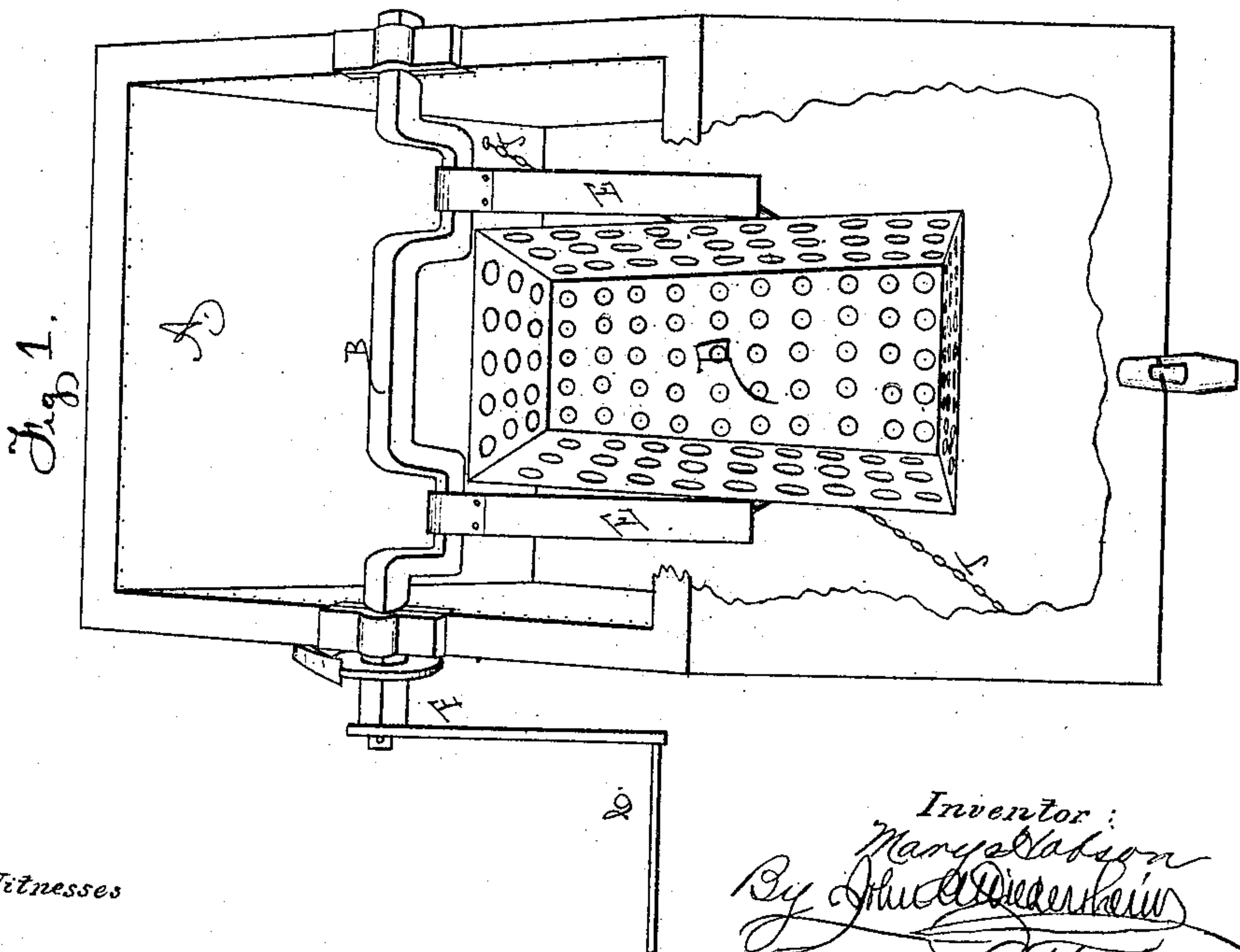
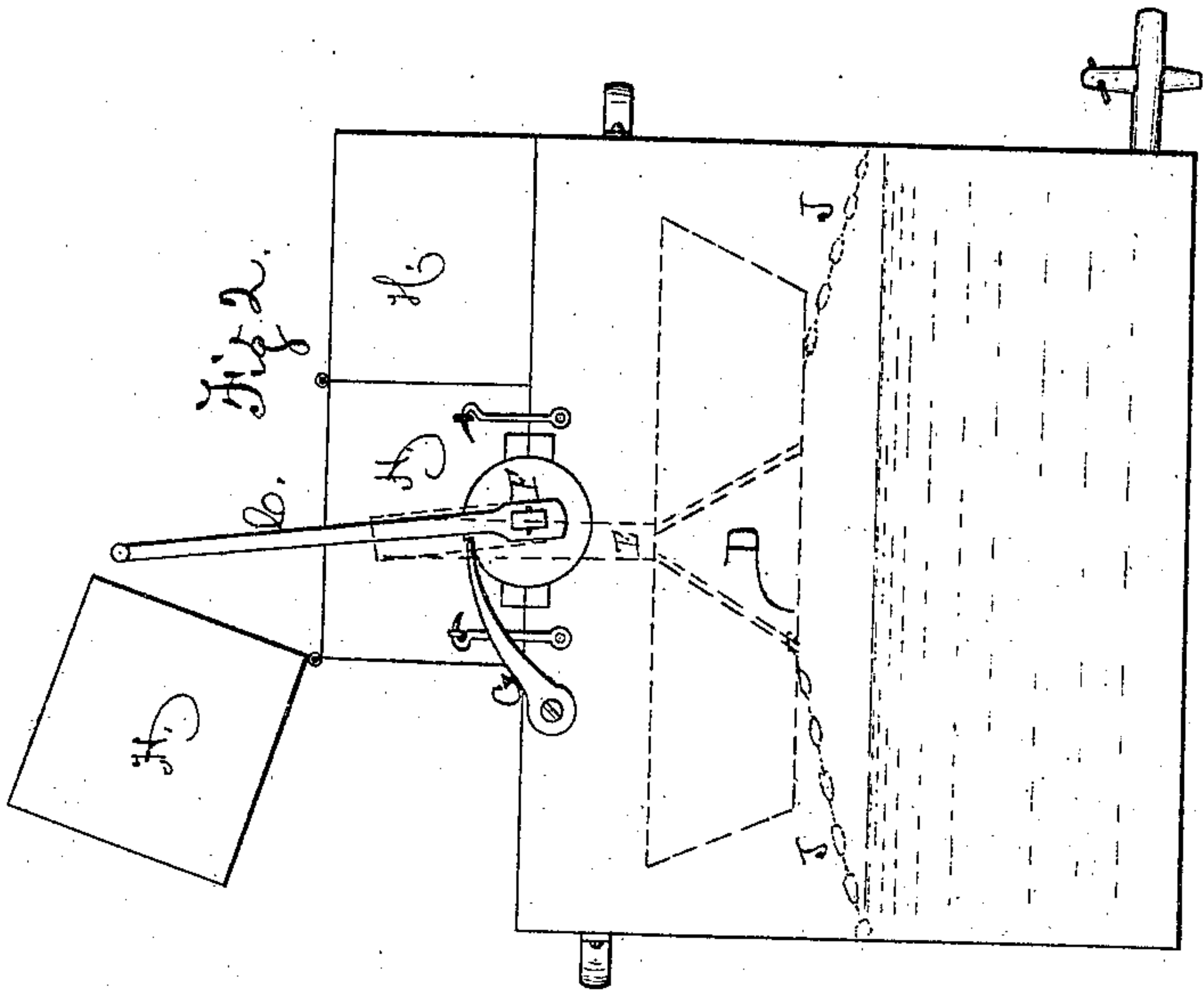


M. Hobson,

Dish Washer.

No. 10,129.

Patented Mar. 22. 1870.



Witnesses

Will Gunkel
D. R. Low

Inventor:
Marys Clabson
By John A. Wiedenhein
Atty.

United States Patent Office.

MARY HOBSON, OF WILLIAMSBURG, MISSOURI.

Letters Patent No. 101,129, dated March 22, 1870.

IMPROVED DISH-WASHER.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, MARY HOBSON, of Williamsburg, in the county of Callaway and State of Missouri, have invented a new and useful Improvement in Dish-Washers; and I do hereby declare the following to be a full, clear, and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand and use the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is a perspective view of the device illustrating my invention, the lid being removed and a portion of one end of the box broken away.

Figure 2 is a side view showing the internal devices in dotted lines.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists in a perforated receptacle which is suspended from a crank to which motion is applied, so that when the dishes are placed in said receptacle they may be subjected to reciprocating immersions in the water in the box or case which contains the water and receptacle, as will be hereinafter described.

In the drawings—

A represents a box or case which is of suitable form, and in the upper end of which is mounted in suitable bearings, a double crank-shaft, B, its outer end being provided with a crank-handle, C, or other operating device, whereby motion is communicated to said crank-shaft.

From this shaft B I suspend a perforated receptacle or tray, D, on which the dishes to be washed are placed.

The means of suspension in the present case are by arms E, which are journaled to the crank-shaft, and either pivoted or firmly attached to the receptacle, as most desirable.

It will be seen that when the dishes are placed in the receptacle, and power communicated to crank-shaft, the receptacle and its contents are reciprocally lowered into and elevated from the water so as to be subjected to a washing process. When sufficient washing has been done the dirty water is allowed to

run out through a faucet, plug, or other means of exit, at or near the bottom of the box or case.

Clean water is then introduced into the box, and the dishes subjected to another washing operation, after which the water may be let out and the dishes allowed to drain, or they may be entirely removed from the box, and the water remain therein, as is most desirable or convenient.

In order to prevent the receptacle from striking against the ends of the box, I secure chains, cords, or links, J, to the box and said receptacle, and of such length that the reciprocal motion of the receptacle is not interrupted, but the limit of its swing or play is properly restrained.

On the crank-shaft I secure a disk, F, having a notch in its periphery, into which drops a pawl, G, whereby, when the receptacle is elevated to its highest point, and the crank has just passed the dead center, the pawl is dropped and engages with the notch. The receptacle is then held in its elevated position without manual assistance.

In the present case I form the lid or case H of the box A in sections, for assistance in obtaining access to the interior of the box. One or both end sections may be raised, or the entire lid be removed, as most desirable.

During the operation of washing the lid should be firmly secured in place by means of hooks, eyes, bolts, or other fastenings, to prevent leakage.

It is well to line the interior of the box with non-corrosive metal, and construct the receptacle D of the same material, but my invention requires no limitation thereto.

Having thus described my invention,

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

The suspended reciprocating receptacle D, for the purpose of a dish-washer, substantially as described.

To the above I have signed my name this 17th day of September, 1869.

MARY HOBSON.

Witnesses:

JOHN S. KIDWELL,
T. B. HARRIS.