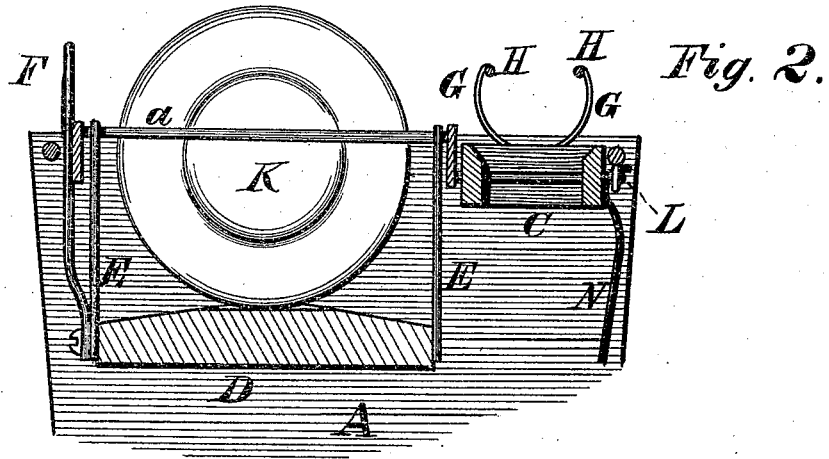
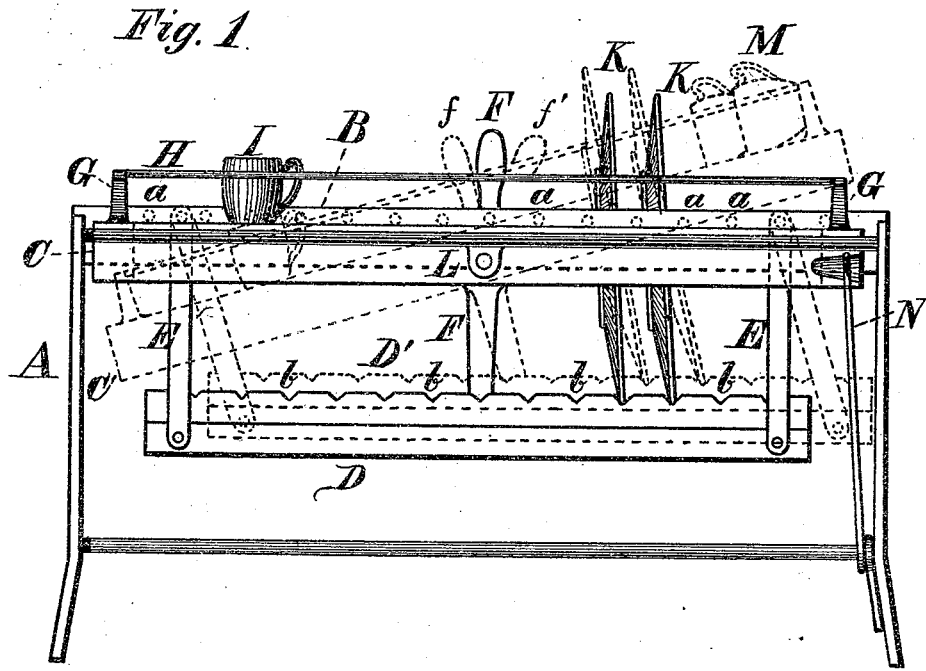


H. STONE.
DISH-DRAINER.

No. 184,672.

Patented Nov. 21, 1876.



Witnesses;

Edward H. Hill,
Santiago Verdi.

Inventor;

Harley Stone,
BY HIS ATT'Y;
James G. Arnold

UNITED STATES PATENT OFFICE.

HARLEY STONE, OF WORCESTER, MASSACHUSETTS, ASSIGNOR OF ONE-HALF HIS RIGHT TO THEODORE L. CHASE, OF SAME PLACE.

IMPROVEMENT IN DISH-DRAINERS.

Specification forming part of Letters Patent No. **184,672**, dated November 21, 1876; application filed July 13, 1876.

To all whom it may concern:

Be it known that I, HARLEY STONE, of the city and county of Worcester, State of Massachusetts, have invented an Improved Machine for Rinsing and Draining Dishes, of which the following is a specification, due reference being had to the accompanying drawings, in which—

Figure 1 shows a side view of a machine embodying my invention; and Fig. 2 shows a central cross-section of the upper part of the same, taken at right angles to Fig. 1.

The same letters indicate the same parts wherever they occur.

A is the frame, its two sides supporting the bars *a a*, which are of the requisite length to receive the largest plate or dish K, and placed far enough apart to allow them to be inserted readily. Below these bars, which may be of any number desired, is the swinging bar D, having grooves or notches *b b*, centrally under the spaces, between the bars *a a*, and receiving the edges of articles, as shown, one of its supporting-strips being extended and supplied with a handle, F, by means of which the bar D can be moved either way, and give an inclined position to the dishes, to present both surfaces alternately to be rinsed.

At C is a pivoted frame or holder, having spring-arms G G at each end, supporting the

bars H H, and allowing them to be separated to insert the small articles, as cups, tumblers, mugs, &c., as shown at M. The whole, swinging on the pivot at L, can be tipped easily to an inclined position either way, to allow them to drain perfectly; and at N is a spring, which, by its curved end fitting into a slight groove in the side of C, tends to retain it in a horizontal position while inserting the articles, yet allows it to be tipped easily. The frame A can be made in box form at bottom, and retain the water, or as an open frame to be used at the sink or shelf, where the water has a free escape.

I claim—

1. The dish-drainer described, consisting of a rectangular frame, having bars *a a*, to which is hung the reciprocating bottom D, provided with notches *b b*, substantially as shown and described.

2. The swinging cup-rack C, with its retaining-bars H H and pivot L, substantially as and for the purposes described.

Witness my hand this 7th day of June, A. D. 1876.

HARLEY STONE.

Witnesses:

JAS. GREENE,
SAUNTIAGO VERDI.