

(No Model.)

S. E. WILLIAMS.  
DISH CLEANER.

No. 565,317.

Patented Aug. 4, 1896.

FIG. 1.

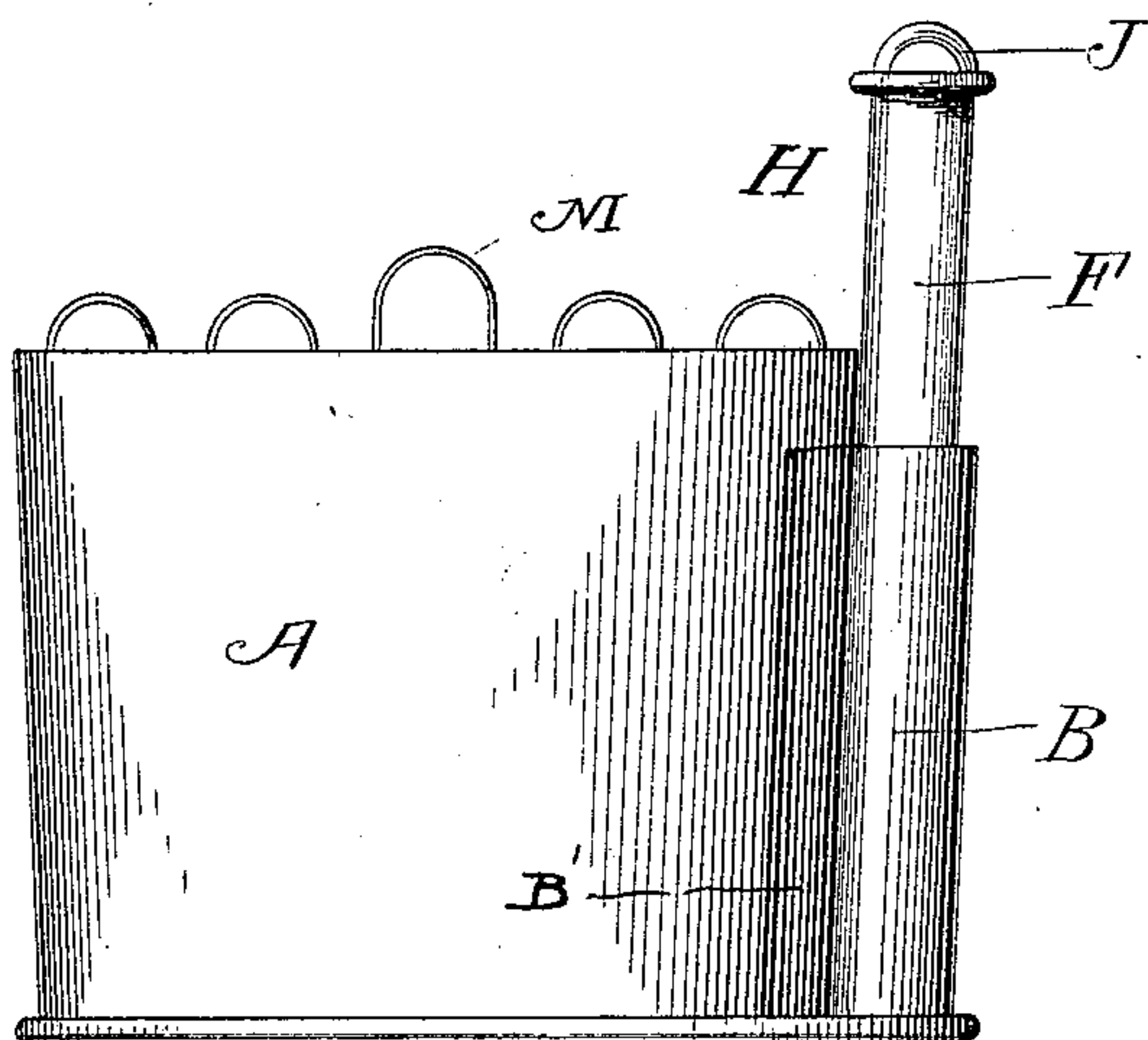


FIG. 2.

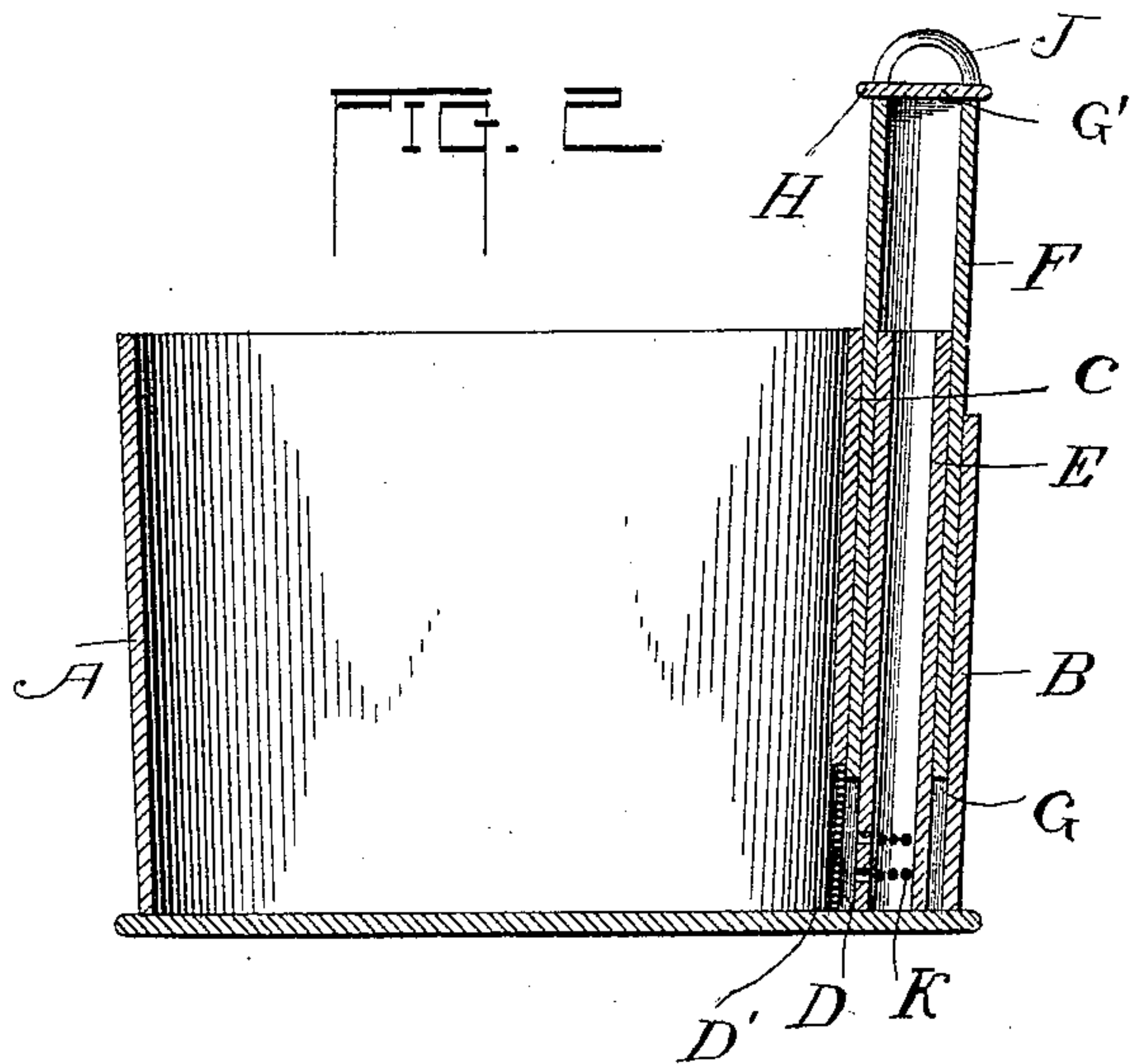
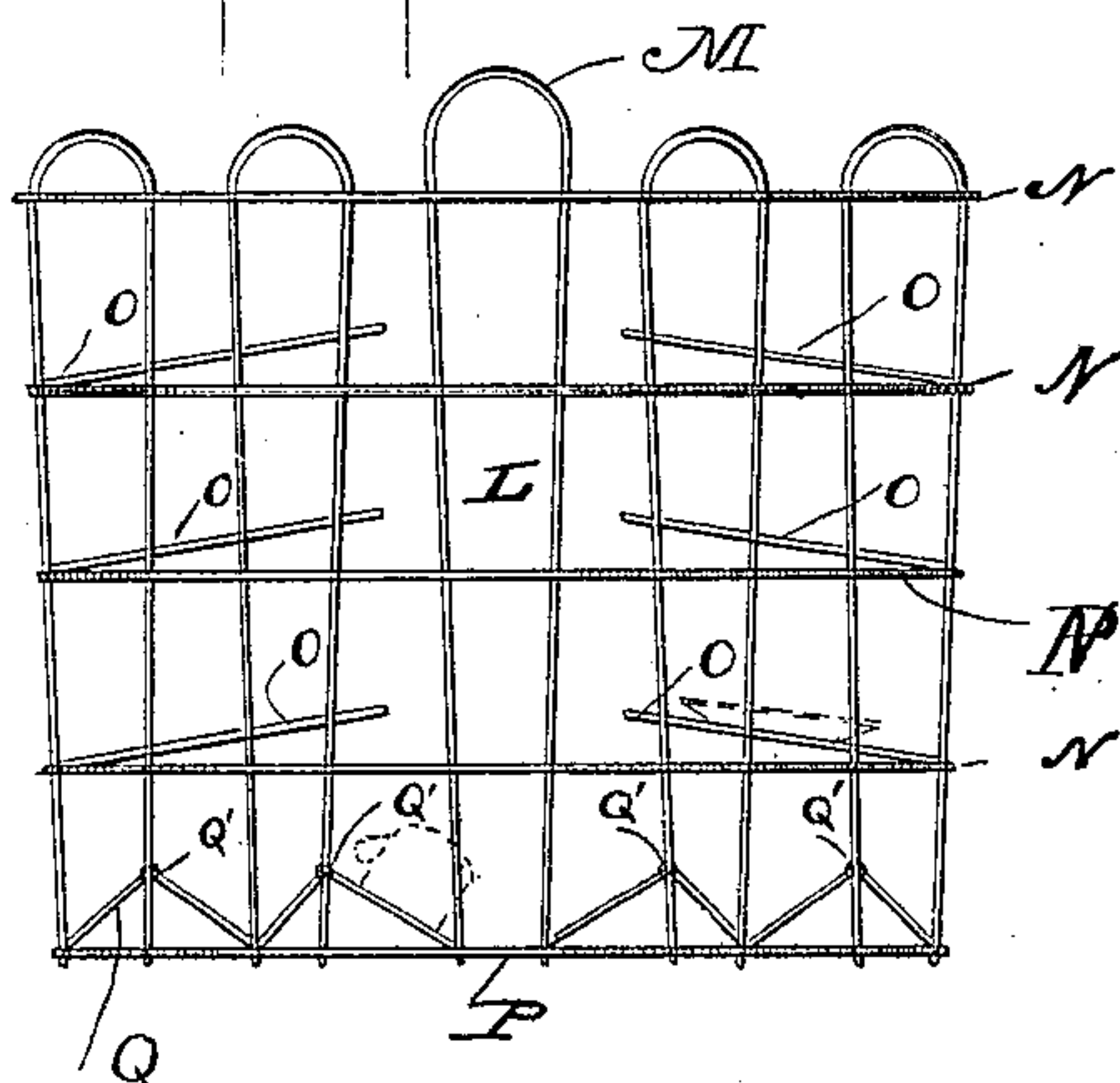


FIG. 3.



WITNESSES

*Wm. Russell.*  
*A. P. Moore.*

*S. E. Williams.*

INVENTOR

*By J. M. Moore*  
Attorney

# UNITED STATES PATENT OFFICE.

STEPHEN EDWIN WILLIAMS, OF LEXINGTON, NORTH CAROLINA.

## DISH-CLEANER.

SPECIFICATION forming part of Letters Patent No. 565,317, dated August 4, 1896.

Application filed June 17, 1895. Serial No. 553,156. (No model.)

*To all whom it may concern:*

Be it known that I, STEPHEN EDWIN WILLIAMS, a citizen of the United States, residing at Lexington, in the county of Davidson and State of North Carolina, have invented a new and useful Dish Washer and Drier, of which the following is a specification.

My invention relates to improvements in dish-washers; and the object of my invention is the provision of a dish-washer which will thoroughly wash cups as well as dishes and which is thoroughly efficient, simple, durable, and inexpensive, as well as useful and practical.

To attain the desired objects the invention consists of a dish-washer embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 represents a side view of my invention. Fig. 2 represents a vertical central sectional view, and Fig. 3 represents a view of the rack or basket.

In the drawings, the letter A designates the body or main portion of my dish-washer, and B designates the cylinder, which is formed with flanges B', soldered or secured to the body A. This main body is constructed of any suitable material, being of the form of a washtub, and is separated from the cylinder-body by means of the wall or partition C, which has at its bottom where the cylinder is connected the opening D, which is covered by the guard or strainer D', which prevents soap, &c., from entering the cylinder. The cylinder B is not quite so tall as the main body, and placed or fitted therein is the casing or barrel E, over which is slidably mounted the plunger or dasher F, which is hollow and has its bottom end G open and its top end G' closed by means of the disk or plate H, which overlaps the sides of the plunger and has formed integral therewith the handle or grasping-loop J. The bottom of this plunger is left open so that the water may be drawn into the casing and be discharged through the openings K at the bottom of the casing and thence through the opening D into the main body or tub. The plate H also acts as a guard to the hand and keeps the

plunger from slipping too far into the casing. In connection with this washing mechanism I employ the basket L, composed of the vertical loops M, secured together by the horizontal wires or rings N. Secured to these wires and transverse or obliquely thereto are the dish-holding wires or frames O, which present all sides of the dishes to the water, and secured to the bottom wire P is the cup-holding rack or frame Q, which consists of a series of cone or angle shaped bends Q', which also presents all sides of the cups to the water and separates them so that they may not be easily broken. The whole construction of basket is adapted to be taken out all the way of the washer, so that the dishes may be removed and others put in their places.

From the foregoing description, taken in connection with the drawings, the operation of my washer will be readily understood, but briefly stated is as follows: The dish rack or basket is first filled with dishes and cups and then is placed into the main body, which has sufficient water and soap or other washing compound, and then the operator works the plunger up and down and forces the water over all sides of the dishes and cups to be washed until they are thoroughly washed, and then the rack is removed and emptied of its contents and filled again for the same operation.

It is now evident that I provide a dish-washer which will thoroughly wash the dishes without injuring them and which will prove itself useful and practical as well as simple, durable, and cheap.

I claim—

In a dish-washer, the combination of the main body or tub having the opening in one of its sides and a strainer or guard over said opening, of a cylinder having therein a barrel with openings at its bottom and a plunger or dasher slidably mounted around the barrel but within the cylinder, and a dish-holding rack, substantially as described.

STEPHEN EDWIN WILLIAMS.

Witnesses:

W. D. BIGGERS,  
H. LACY HUNT.