

(No Model.)

S. A. WALTER.
DISH WASHING MACHINE.

No. 466,877.

Patented Jan. 12, 1892.

Fig. 1.

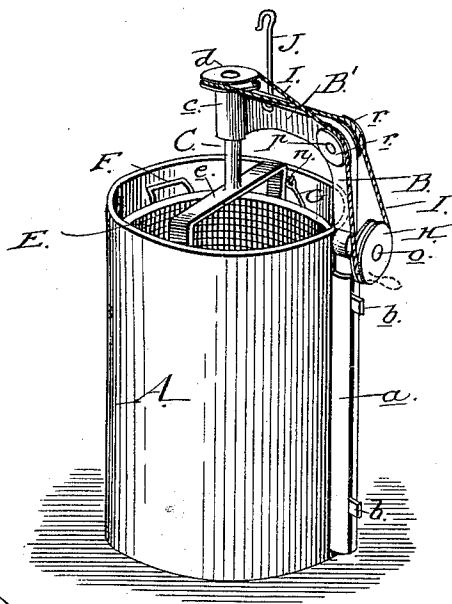


Fig. 3.

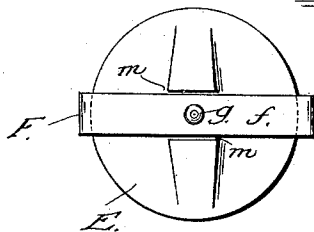
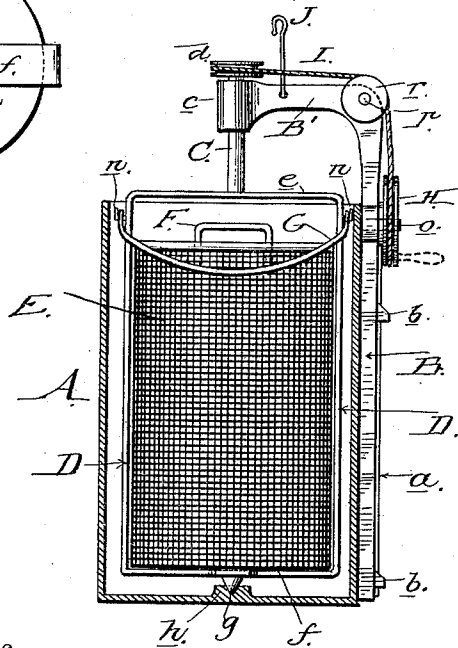


Fig. 2.



WITNESSES

Chapman Fowler
M. Fred Miller.

INVENTOR

Stephen A. Walter,
by A. H. Evans & Co.
Attorneys

UNITED STATES PATENT OFFICE.

STEPHEN A. WALTER, OF MOLINE, ILLINOIS.

DISH-WASHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 466,877, dated January 12, 1892.

Application filed May 5, 1891. Serial No. 391,627. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN A. WALTER, a citizen of the United States, residing at Moline, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements in Dish-Washing Machines, as set forth in the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a perspective view of a dish-washing machine embodying my invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a bottom view of the basket and frame.

My invention relates to machines for washing dishes; and it consists of the constructions and combinations of parts which I shall hereinafter fully describe and claim.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now describe its construction and indicate the manner in which the same is carried out.

In the said drawings, A represents a tank or receptacle adapted to contain water and having its outer surface provided with a vertical disposed slotted guide *a*. A vertical standard B is fitted to slide in the slotted guide *a*, and is provided with lugs *b*, which work in the slot of the guide to hold the standard against rotary movement, but to allow the standard and its adjuncts to be lifted from the water tank or receptacle. The standard has an arm B' at its upper end which extends horizontally over the water tank or receptacle, and the outer end of said arm is bored to form a bearing *c* for a vertical shaft C, the upper end of which carries a pulley *d*. This shaft C projects from the top cross-bar *e* of a vertically-disposed rectangular frame D, whose lower cross-bar *f* is provided with a conical pin or lug *g*, adapted to be seated in a step *h* on the inner surface of the bottom of the water tank or receptacle. The frame D incloses the dish-holding basket E, made of foraminous material, except its bottom *l*, which is solid, and provided with a groove *m*, (see Fig. 3,) of a size adapting it to fit over the lower cross-bar of the frame D, whereby the basket is held against independent rotary movement. The upper sides of the basket are provided with loops or handles F, and the upper portions of the sides of the frame D

are provided with pins or hooks *n*, upon which are pivotally hung the bails G, one on each side of the basket, and adapted to swing down over the handles F to secure and steady the upper end of the basket. The vertical standard B is provided with a stud *o*, on which is mounted a drive-pulley H, to which power is applied in any appropriate manner, and in the upper end of the standard is also mounted a transverse shaft *p*, carrying at each end a guide-pulley *r*, over which passes from the drive-pulley H a belt I, which is then carried to and around the pulley *d* on the upper end of the shaft C. A hook J on the arm B' of the standard furnishes a means by which the standard and its adjuncts may be hung up, if desired, when not in use. From this description it will be seen that when the dishes are placed within the basket and the standard slipped into position in its slotted guide *a* the basket is partly or wholly submerged. Power being now applied to the drive-pulley H, the belt I causes the pulley *d* to rotate the frame D, and with it the dish-holding basket. The rotation of the basket causes the dishes to be thoroughly washed by the centrifugal action of the water, and when the cleaning process has been accomplished the standard, with its basket, is lifted out of the tank and the dishes removed.

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

1. A dish-washing machine comprising an outer tank or receptacle having a vertical guide, a standard detachably fitted to said guide, a dish-holding basket, a supporting-frame for the same, and means for rotating the frame, substantially as herein described.

2. In a dish-washing machine, the water tank or receptacle having the slotted guide upon its outer side, in combination with a standard fitted in said guide and having a horizontal arm, a basket-supporting frame adapted to be seated in the tank or receptacle and having a shaft extending from its upper end and mounted to turn in said arm, a dish-holding basket seated in the frame, and means for rotating the frame and basket, substantially as herein described.

3. In a dish-washing machine, the combination, with a water tank or receptacle, of a ver-

tically-disposed frame adapted to be seated therein, and provided with a shaft to which power may be applied to rotate the frame, a dish-holding basket seated on the lower cross-bar of the frame, and swinging bails fitted to the frame and engaging the upper end of the basket, substantially as herein described.

4. A dish-washing machine comprising the water tank or receptacle, the standard removably fitted thereto and provided with a horizontal arm, a rectangular frame having a shaft extending from its upper end and mounted

in said arm, a pulley *d* on the shaft, a dish-holding basket supported at top and bottom in the frame, a drive-pulley on the standard, the guide-pulleys above the same, and a belt running from the drive-pulley over the guide-pulleys to the pulley *d* to rotate the frame and basket, substantially as herein described.

STEPHEN A. WALTER.

Witnesses:

OLE PEDERSON,
GEO. WALTER.