

(No Model.)

A. WICKEY.
GLASS OR BOTTLE WASHER.

No. 467,304.

Patented Jan. 19, 1892.

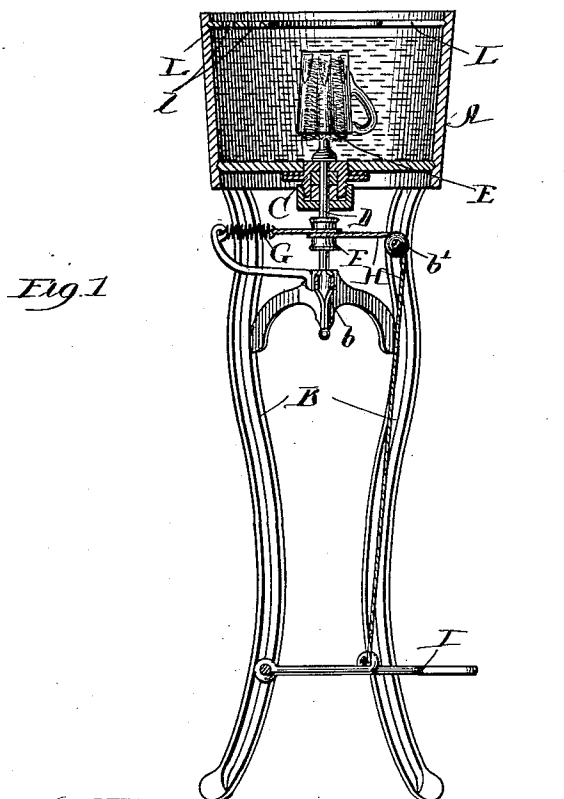
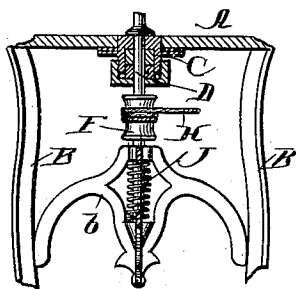


Fig. 2.



Witnesses:

Chas. O. Sherry
C. P. Smith

Inventor:

Andrew Wickey

By Miles. Ernest & Bitner.

Atty.

UNITED STATES PATENT OFFICE

ANDREW WICKEY, OF CHICAGO, ILLINOIS.

GLASS AND BOTTLE WASHER.

SPECIFICATION forming part of Letters Patent No. 467,304, dated January 19, 1892.

Application filed March 9, 1891. Serial No. 384,262. (No model.)

To all whom it may concern:

Be it known that I, ANDREW WICKEY, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Glass and Bottle Washers, of which the following is a specification.

This invention relates to a machine for washing beer glasses, bottles, and other similar dishes, the purpose being to simplify as much as possible the construction, lessen the cost, and increase the efficiency of the machine.

To such end my invention consists in certain structural features below described, and closely defined by the appended claims.

These improvements are illustrated by means of a central vertical section of my device in its preferred form in Fig. 1, and a slight modification of certain parts is shown by a similar section of broken portions of the parts adjacent thereto in Fig. 2.

Applying reference-letters to the drawings, A is a tub which forms a vessel in which to wash the glasses or other articles, said tub being partly filled with water, as shown, and supported by legs B. A stuffing-box C is let in to the bottom of the tub, forming a watertight joint therewith, and an upright spindle D is journaled in said stuffing-box and in a brace b, secured to the legs B. Within the tub a brush E is mounted upon the spindle, and between the stuffing-box and the brace the latter carries a spool F. A spring G is secured at one end to an arm of the brace b, and at the other end to a belt H, preferably round and of leather, extending to the spool F, and wound about the same, passing thence over a pulley b', secured to the leg B, and thence down to a treadle I.

In a machine of this class it is exceedingly advantageous to have a reciprocating rotary motion of the brush within the water, and also to be able to impart said motion by foot-power. Such a motion is obtained in the device above described, as a downward pressure upon the treadle I draws the belt H against the spring G, rotating the brush in one direction, and a release of the treadle allows the spring G to carry the belt in the opposite direction, producing a correspond-

ing change in the rotation of the brush. The entire work being performed by the foot and the spring G, the hands are left free to manipulate the articles to be washed.

While the device shown in Fig. 1 is perhaps preferable, yet there are certain modifications thereof which I do not consider as departures from my invention, and I have illustrated one of these modifications in Fig. 2. In this figure the belt H is secured to the spool F and wound several times about the same, so that the pressing down of the treadle merely unwinds the belt from the spool, thereby rotating the brush in one direction. A coiled spring J is mounted upon the lower end of the spindle D and engages therewith and with the brace b, being so arranged that its tension opposes the pull of the belt H under a downward pressure upon the treadle. About the upper edge of the tub a shelf L is arranged, except directly in front of the operator. This shelf is provided with numerous openings l, and its purpose is to form a support upon which the bottles or glasses may be placed to allow them to drain.

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

1. In a glass and bottle washer, the combination of a vessel A, suitably supported, a stuffing-box in the walls thereof beneath the water-line, a spindle journaled in said stuffing-box, a brush mounted upon said spindle within the vessel, a spool or drum F, mounted upon the spindle without the vessel, a treadle, a belt wound about the drum and so connected with the treadle as to rotate the brush in one direction under the downward pressure of the treadle, and a spring applied to rotate the brush in the opposite direction, substantially as described.

2. In a glass and bottle washer, the combination of a vessel A, suitably supported, a stuffing-box in the walls thereof beneath the water-line, a spindle journaled in said stuffing-box, a brush mounted upon said spindle within the vessel, a spool or drum F, mounted upon the spindle without the vessel, a treadle, a belt wound about the drum, having one end attached to the treadle, and a spring connected to the other end of the belt and to a suitable support, whereby the downward pressure of the treadle rotates the brush in

one direction and upon the release thereof the spring rotates it in the opposite direction, substantially as described.

3. In a glass and bottle washer, the combination of the tub A, the supporting-legs B, a stuffing-box C, a spindle D, a brush E and a spool F upon the spindle, a spring G, secured at one end to the legs, a treadle I, pivoted to the same, a pulley *b'*, and a belt H, secured to the spring, passing therefrom about the spool, then over the pulley, and secured at its opposite end to the treadle, substantially as described.

4. In a glass and bottle washer, the combi-

nation of the tub A, the shelf L, the supporting-legs B, a stuffing-box C, a spindle D, a brush E and a spool F upon the spindle, a spring G, secured at one end to the legs, a treadle I, pivoted to the same, a pulley *b'*, and a belt H, secured to the spring, passing therefrom about the spool, then over the pulley, and fastened at its opposite end to the treadle, substantially as described.

ANDREW WICKEY.

Witnesses:

C. P. SMITH,

CHAS. O. SHERVEY.