No. 837,401. PATENTED DEC. 4, 1906.

G. W. HARRIS.

BOTTLE WASHER.

APPLICATION FILED JAN. 10, 1906.

Fig. 1.

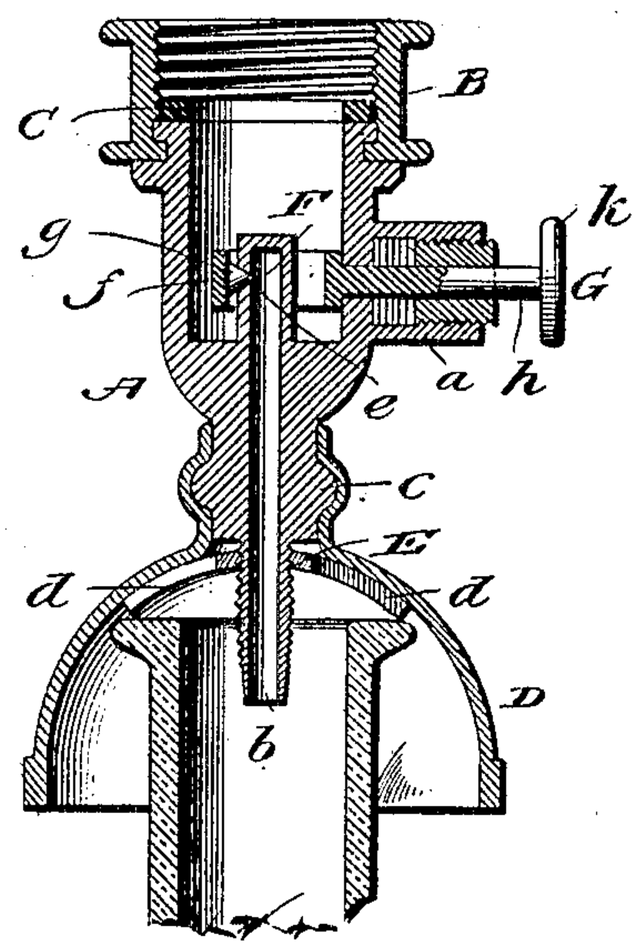


Fig. 2.

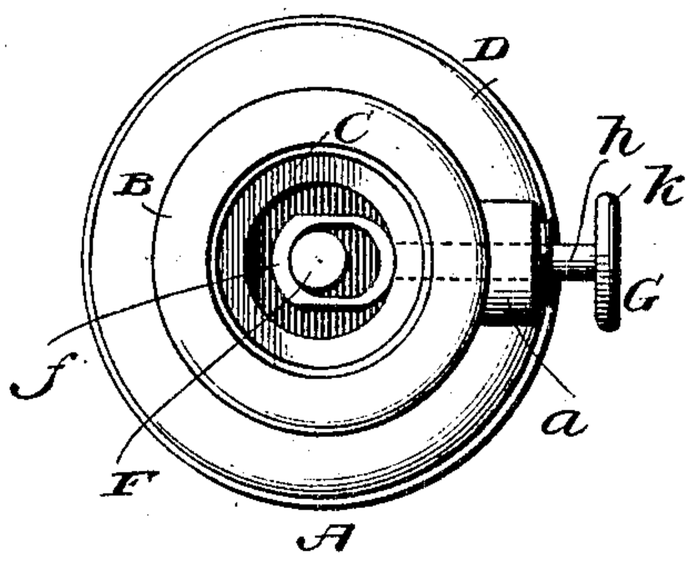
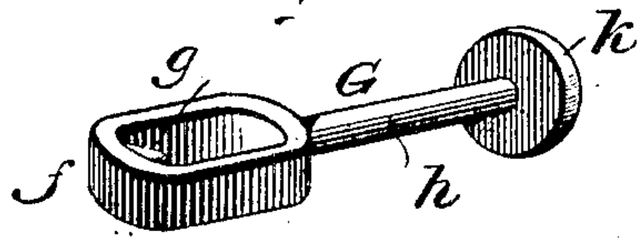


Fig. 3.



Witnesses

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GEORGE W. HARRIS, OF WARDNER, IDAHO.

BOTTLE-WASHER.

No. 837,401. Specification of Letters Patent. Patented Dec. 4, 1906.

Application filed January 10, 1906. Serial No. 295,421.

To all whom it may concern:

Be it known that I, GEORGE W. HARRIS, a citizen of the United States, residing at Wardner, in the county of Shoshone and State of Idaho, have invented new and useful Improvements in Bottle-Washers, of which the following is a specification.

My invention pertains to devices for washing bottles; and it contemplates the provision of a simple and easily-controlled device adapted to be readily attached to a faucet or the like and constructed with a view of expeditiously cleansing both the inside and the outside of a bottle, and this without effort on the part of the operator.

With the foregoing in mind the invention will be fully understood from the following description and claims when the same are considered in connection with the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical diametrical section of my novel device, the same being shown in connection with a bottle properly positioned to be washed. Fig. 2 is a top plan view of the device. Fig. 3 is an enlarged perspective view of the slidable valve of the device removed.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which—

A is the body of the washing device. The said body is formed of brass or other metal suitable to the purpose, and it is provided at an intermediate point of its length with a lateral arm *a* and at its lower end with a threaded nipple *b*, above which is a shouldered portion *c* for a purpose presently set forth.

B is an interiorly-threaded annulus swiveled on the upper end of the body A and designed to connect said body to a threaded faucet or the like. This annulus contains a washer C, which is designed to be compressed between the ends of the body and faucet so as to render the connection watertight.

D is a hood, preferably of vulcanized rubber, having a reduced upper portion tightly receiving the shouldered portion *c* of body A, and E is a nut screwed on the nipple *b* of body A below the reduced portion of the hood, so as to secure said hood on the body, and having outwardly-reaching downwardly inclined or curved arms *d*. The hood D is preferably of vulcanized rubber, as stated, to prevent breaking the bottles if the same are brought in contact with it.

Communicating with the nipple *b* of the body A and extending upwardly within said body is a conduit F. This conduit is closed at its upper end, but is provided in its side at a slight distance above the bottom wall of the body with an aperture *e*, designed to permit water to pass from the interior of the body A through the nipple *b* and into the bottle to be washed.

G is the slide or reciprocating valve for controlling the aperture *e*. This valve comprises an open body *f*, which receives and is guided in its movements by the conduit F, a protuberance *g*, which extends inwardly from one end of the body *f* and is designed to enter and close the aperture *e*, and a stem *h*, which extends from the opposite end of the body *f* and is guided in the arm *a* of body A and is provided at its outer end with a finger-piece *k*.

In the practical use of my novel device the annulus B is turned on a faucet or the like to effect connection of the device thereto, and the bottles to be washed are placed with their upper ends in the hood D and against the arms *d* of the nut E. As each bottle is properly placed, as shown in Fig. 1, relative to the device, the valve G is moved toward the left, so as to remove the protuberance *g* from the aperture *e* and permit water to pass from the interior of the body A through the said aperture *e* and the conduit F and nipple *b* into the bottle. The water will obviously enter the bottle in a small stream and under considerable head, with the result that the interior of the bottle will be quickly and thoroughly washed. When the bottle is filled, the overflow water will pass radially between the arms *d* of nut E and striking the hood D will be deflected so as to pass downward over the exterior of the bottle and wash such exterior. At the completion of the washing of a bottle the valve G is moved toward the right to close the aperture *e* and cut off the supply of water, after which the washed bottle is replaced with another bottle, the valve G is opened, and the operation described is repeated.

As will be readily apparent from the foregoing, an operator is enabled with one hand to hold the bottle to be washed in proper position relative to the device and with a finger of the same hand manipulate the valve G so as to turn on or cut off the supply of water.

It will be gathered from the foregoing that with the assistance of my novel device a person is enabled to thoroughly wash a considerable number of bottles in a short period, and this with but little effort. It will also be gathered that the device is simple and inexpensive in construction as well as durable and is adapted to be attached to an ordinary faucet without the employment of skilled labor.

I claim—

1. A device for washing bottles comprising a body adapted to be connected with a source of water-supply and having a nipple at its lower end, a hood mounted on the lower portion of the body, and a device carried by the body and arranged within and against the upper portion of the hood and having outwardly-reaching, downwardly-curved arms; the said device by virtue of its arrangement against the hood being adapted to cause the water to strike the inner side of the hood immediately after the water flows out of the upper end of a bottle that is being cleaned.

2. A device for washing bottles comprising a body adapted to be connected with a source of water-supply and having a threaded nipple at its lower end, a hood arranged on the lower portion of the body, and an interiorly-threaded nut mounted on and engaging the threaded portion of the nipple and arranged within and directly against the upper portion of the hood and having outwardly-reaching, downwardly-curved arms.

3. A device for washing bottles comprising a body adapted to be connected with a source of water-supply and having a nipple at its lower end, means in the body for controlling the passage of water therethrough, a hood mounted on the lower portion of the body, and means arranged on the lower portion of the body and within the hood for holding the upper end of a bottle away from the hood.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE W. HARRIS.

Witnesses:
J. H. MEEKS,
G. B. TROYER.