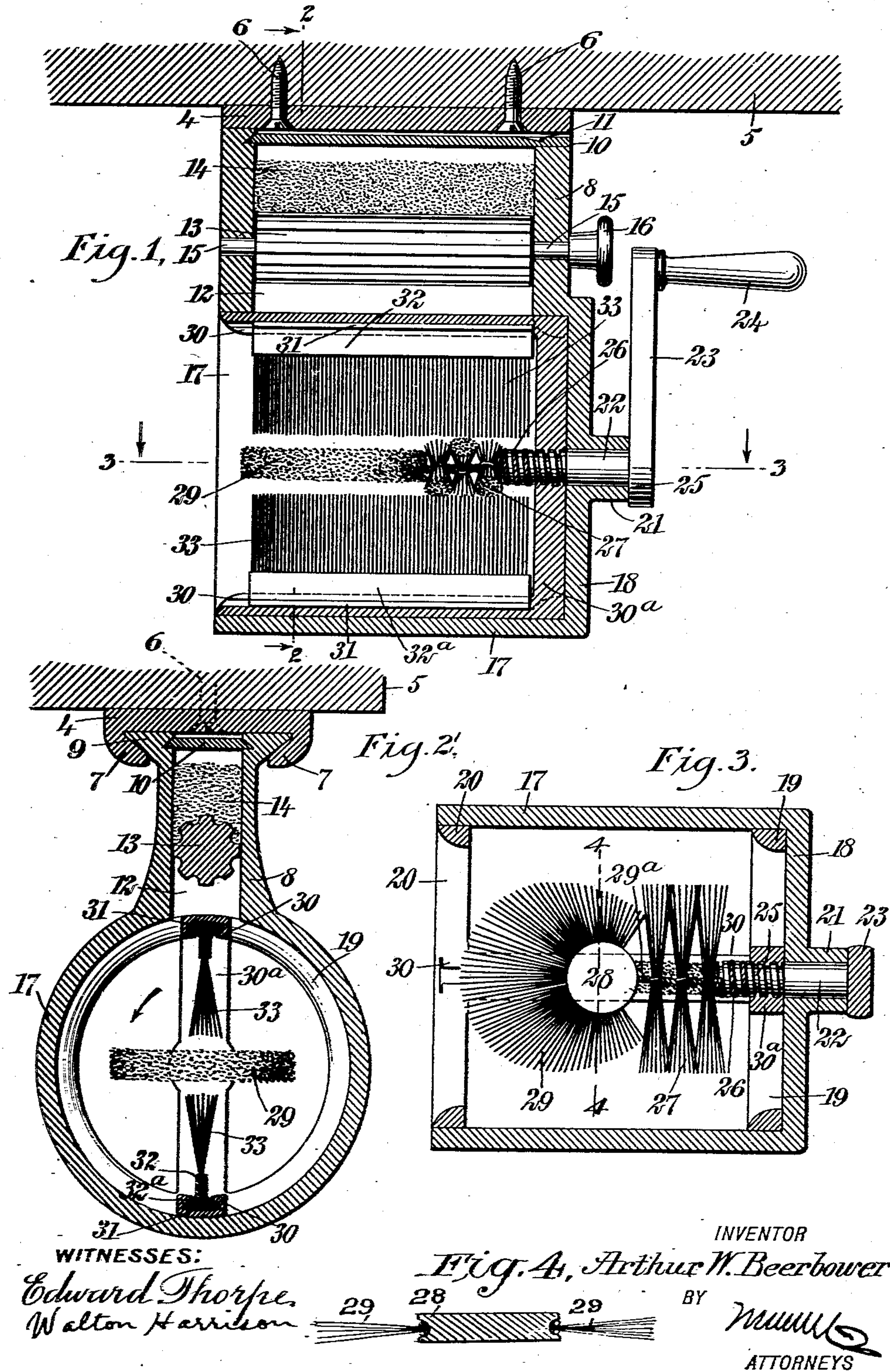


No. 832,448.

PATENTED OCT. 2, 1906.

A. W. BEERBOWER.
GLASS WASHER AND SCOURER.

APPLICATION FILED OCT. 5, 1905.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ARTHUR W. BEERBOWER, OF BRYAN, OHIO.

GLASS WASHER AND SCOURER.

No. 832,448.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed October 5, 1905. Serial No. 281,551.

To all whom it may concern:

Be it known that I, ARTHUR W. BEERBOWER, a citizen of the United States, and a resident of Bryan, in the county of Williams and State of Ohio, have invented a new and Improved Glass Washer and Scourer, of which the following is a full, clear, and exact description.

My invention relates to glass washers and scourers, my more particular object being to produce a device for scouring and washing both the inside and outside of drinking-glasses—such as whisky-glasses, wine-glasses, and beer-glasses of all sizes, as used upon bars.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a central vertical section showing my improved device as mounted upon the under side of a bar. Fig. 2 is a vertical section through the same upon the line 2 2 of Fig. 1 looking in the direction of the arrows, and Fig. 3 is a horizontal section through the scouring-cylinder and taken upon the line 3 3 of Fig. 1 looking in the direction of the arrows. Fig. 4 is a fragmentary detail showing the manner of supporting the bristles 29 upon the grooved button 28.

A plate 4 is connected with the under side of the bar 5 by means of screws 6. The plate is provided with flanges 7, constituting a slideway, and supported by this slideway is a frame 8, provided with a sliding head 9. In order to connect the frame with the plate 4, the sliding head 9 is merely pushed laterally into the slideway from either of two directions. A lid 10 is slidably connected with the frame 8 so as to close the top thereof independently of the plate 4. This sliding lid 10 is provided with a notch 11, which may be engaged by the finger-nail in order to remove the lid 10. The frame 8 is provided with a compartment 12, into which is fitted a revoluble corrugated cylinder 13. This cylinder is adapted to support a powder or other material 14 to be used in scouring the glasses and is mounted upon journals 15, one of which is fitted with a knob 16, whereby the cylinder may be rotated by hand a little at a time. The frame 8 is further provided with a large cylindrical portion 17, one end 18 of which is closed, the opposite end being open, as indicated in Figs. 1 and 3. Revolvably

mounted within the cylindrical portion 17 are rings 19 20, made substantially quarter-round in cross-section, these rings being rigid and connected together by slideways 30, the slideways being connected by a yoke 30^a. A bearing 21 supports a revoluble stub-shaft 22, provided with a crank 23, the outer end of which carries a handle 24. The inner end of the stub-shaft is provided with a thread 25, into which is wound a wire support 26, carrying a number of brushes or tufts 27. The wire support 26 is spiral and may be readily turned off or on the stub-shaft. The wire support 26 also carries a grooved button 28, from which radiates a large number of bristles 29 of such shape as to fit the interior of a drinking-glass. These bristles are supported between wires which are twisted together, as indicated in Fig. 4. The slideways 30 in the cylindrical portion 17 are disposed longitudinally thereof in order to be parallel with its axis, as indicated in Figs. 1 and 2. Mounted within these slideways 30 are brush-holders 31, provided with flanges 32, between which is a wire stem 32^a, from which a number of bristles 33, woven thereinto, project toward the center or axis of the cylindrical portion 17. By removing the brush-backs 31 the bristles 33 may be readily taken out of the cylindrical portion 17.

The operation of my device is as follows: In order to refill the upper portion of the compartment 12 with scouring material 14, the frame 8 is moved laterally, as above described, so that the head 9 is detached from the plate 4. By means of the finger-nails the lid 10 is next moved sidewise, and the material 14 is poured upon the cylinder 13. The lid 10 being now replaced and the frame 8 being mounted so as to depend from the plate 4, as above described, the device is ready for use. The operator grasps a drinking-glass and inserts the same mouth foremost in the cylindrical portion 17, the insertion being made from the left, according to the view shown in Fig. 3. If it be desired to use a little of the scouring material 14, the knob 16 is turned slightly, so as to dislodge a small quantity of this material upon the glass and brushes. If it be desired to lodge the material upon the brushes rather than upon the glasses, the knob 16 is turned before the glass is inserted. The glass, as stated above, is inserted by the operator from the left of the device, according to the view shown in Fig. 3, and the handle 24 is

thereupon turned. The revoluble stem 22 causes the rotation of the rings 19 20 and the guideways 30 and also causes the rotation of the bristles 27 and 29. The glass is held by the hand of the operator and is thus thoroughly scoured within and without and upon afterward rinsing is ready for use. The brush-handles 31 are easily replaced, and when the bristles 33 are worn out or otherwise rendered unfit for service the wire stems 32^a, carrying new bristles, may be substituted for the old ones. To mount a wire stem 32^a, it is merely inserted endwise, so as to be held by the brush-back.

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

1. A glass washer and scourer, comprising a cylindrical casing, a plurality of longitudinal rings mounted therein, slideways connecting said rings together, brushes removably mounted within said slideways, and means for turning said rings.

2. In a glass washer and scourer, the combination of a cylindrical casing for holding a glass, a plurality of slideways mounted therein, means for causing said slideways to rotate about a central line representing the axis of a glass, and a plurality of revoluble brushes detachably mounted within said slideways.

3. In a glass washer and scourer, the combination of a cylindrical casing, a pair of revoluble rings mounted therein and disposed adjacent to opposite ends thereof, slideways supported by said rings, brushes detachably mounted within said slideways, and means for turning one of said rings.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR W. BEERBOWER.

Witnesses:

F. W. INGALLS,
W. H. GARDNER.