

May 6, 1947.

A. O. MYSZKOWSKI

2,420,260

FRUIT JAR WASHER

Filed March 22, 1945

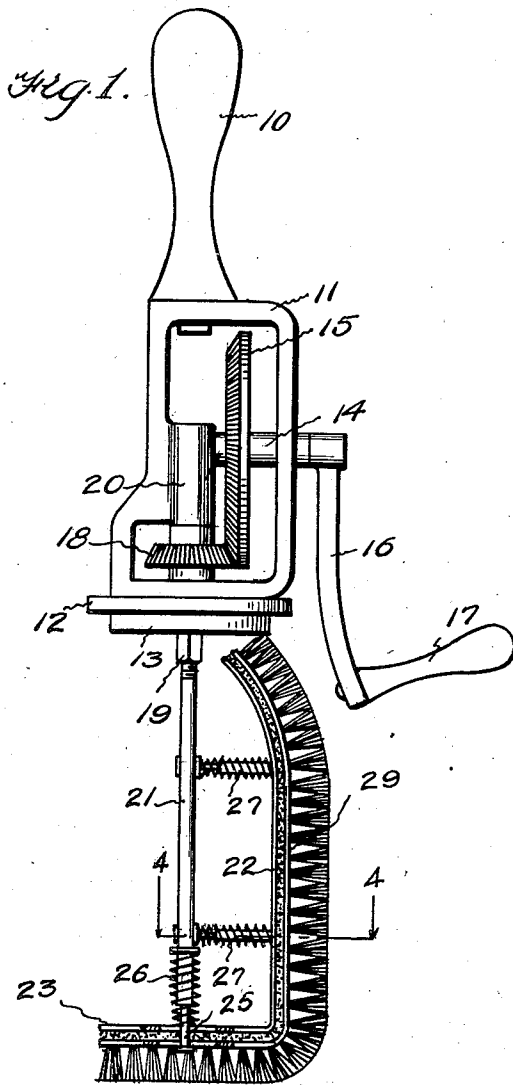


Fig. 2.

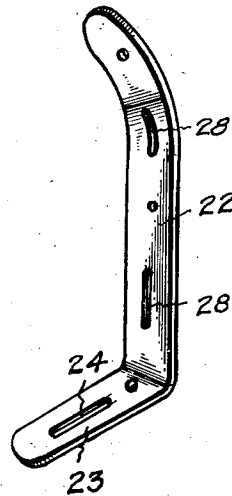
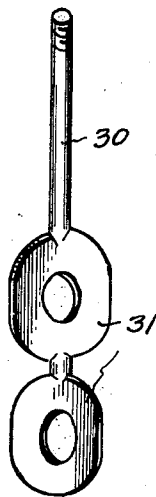
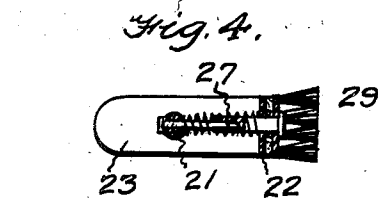


Fig. 3.



Inventor
ANTON O. MYSZKOWSKI

By *Wm. J. McCallahan*
Attorney

UNITED STATES PATENT OFFICE

2,420,260

FRUIT JAR WASHER

Anton O. Myszkowski, Gilman Hot Springs, Calif.

Application March 22, 1945, Serial No. 584,088

1 Claim. (Cl. 15—164)

1

This invention relates to a fruit jar washer, and has for one of its objects the production of a simple and efficient washing device which is especially constructed to efficiently wash fruit jars and similar articles.

A further object of this invention is the production of a simple and efficient jar washer which is inexpensive and which will efficiently clean the interior of the jar particularly jars of the type with a narrow mouth.

Other objects and advantages of the present invention will appear throughout the following specification and claim.

In the drawing:

Figure 1 is a side elevational view of the device with a portion thereof at the lower end broken away;

Figure 2 is a perspective view of the brush-attachment plate;

Figure 3 is a perspective view of a churning paddle for use with the present device; and

Figure 4 is a transverse sectional view taken on line 4—4 of Figure 1.

By referring to the drawing it will be seen that 10 designates the handle of the device which may be made of wood, plastic, or other suitable material. This handle 10 is bolted to, or otherwise secured to, the gear frame 11, which gear frame 11 carries at its lower end a disc 12 forming part of a cap 13 which is adapted to fit over the mouth of a jar or other similar container which is adapted to be cleaned. This cap 13, by fitting within the neck or over the neck of a jar, will prevent splashing of water when the device is being used. The gear frame 11 carries a transversely extending gear supporting shaft 14 upon which is mounted a vertically extending bevel gear 15. The shaft 14 is actuated by a crank 16, to which crank 16 is secured an operating handle 17. This vertical bevel gear 15 meshes with a horizontal bevel gear 18, which gear 18 is carried by the actuating shaft 19, the shaft 19 being journaled in the cap 13 at one end and in the journal portion 20 of the frame 11 at its opposite end. A removable brush-supporting rod 21 is threaded into the lower end of the actuating shaft 19.

The brush-supporting rod 21 may be connected to the shaft 19 by means of a suitable union, or in any other suitable manner common to the trade.

A brush-supporting plate 22 is carried by the rod 21 in the manner shown in Figure 1, and this plate 22 is provided with a horizontally extending portion 23 which is slotted, as at 24, for

2

receiving the telescoping lower end 25 of the rod 21. A coil spring 26 is carried by the lower end of the rod 21 and engages the portion 23 of the plate 22 to yieldably support the lower end of the plate 22 upon the lower end of the rod 21. Laterally extending telescoping supporting sleeves 27 are carried by the rod 21 and engage the plate 22, the ends of the telescoping supporting sleeves passing through the vertically extending slots 28, as shown—see Figure 2. The connection of the plate 22 in the manner illustrated and described will permit the plate to move toward and away from the rod 21 in a lateral direction and will also permit the lower end of the plate 22 to reciprocate relative to the lower end of the rod 21, in this manner providing an efficient yieldable support for the brush.

A brush 29 of suitable type is secured in any suitable or desired manner to the plate 22, such for instance as by means of screws and the like.

In Figure 3 there is shown a modified form of attachment in the nature of a churn paddle comprising a stem or rod 30 which may be threaded to the shaft 19 when replacing the brush element with the paddle. Right-angularly extending paddle elements 31 are provided, as shown in Figure 3.

From the foregoing description it will be understood that there has been produced a simple and efficient cleaning device which is especially constructed for cleaning fruit jars or other receptacles having a narrow mouth or a restricted entrance. The brush 29 by being curved inwardly at its top and having a right-angularly extending bottom will conform to the contour of the sides and bottom of the receptacle which is being cleaned, and by the rotary action of the brush any hardened or sticky portions or residue of the previous contents of the container may be easily removed. The present device offers a highly efficient jar cleaner or receptacle cleaner, which is simple and sturdy in construction and which will facilitate the cleaning and the subsequent sterilization of the receptacle which is being cleaned to render the receptacle free from active bacteria. The brush and its supporting frame are substantially L-shaped to fit the interior of a fruit jar or other similar receptacle and is actuated by a gear mechanism to facilitate the rapid motion of the cleaning element within the receptacle. As stated above, a churn attachment may replace the brush when desired.

It should be understood that the lower end of the rod 21 may be of a telescopic nature and in conjunction with the spring 26 will yieldably con-

3

nect the end 23 of the plate 22 to the rod 21. Any suitable or desired spring connection may be provided. The sleeves 27 may be telescoped and in conjunction with the springs carried thereby the plate 22 will be yieldably spaced laterally of the rod 21. The brush 29 may adjust itself longitudinally of the rod 21 as well as laterally thereof.

Certain detail changes in the construction of the device may be employed without departing from the spirit of the invention so long as such changes fall within the scope of the appended claim.

Having described the invention, what is claimed as new is:

A device of the class described comprising a central actuating rod, means for actuating said rod, a substantially L-shaped brushing element, a laterally extending telescoping supporting sleeve carried by the rod, said brushing element comprising a vertical brush-supporting plate having a horizontally extending portion projecting laterally beyond the central rod, the vertical plate having a vertical slot and the horizontal portion having a horizontal slot, the rod having a yield-

4

able telescoping lower end slidably mounted in said horizontal slot and said laterally extending yieldable telescoping supporting sleeve being slidably mounted in said vertical slot thereby permitting vertical movement of the brushing element relative to said actuating rod, and also permitting lateral movement of the horizontal portion of the brushing element across the longitudinal axis of the control rod to completely scrub the bottom of a container in which the device is placed.

ANTON O. MYSZKOWSKI.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
371,366	Roberts	Oct. 11, 1887
253,884	Odell	Feb. 21, 1882
565,632	Pawlik	Aug. 11, 1896
1,539,718	Crum	May 26, 1925