

E. JAKUES.
GLOVE CLEANING MACHINE.
APPLICATION FILED NOV. 27, 1917.

1,305,902.

Patented June 3, 1919.

FIG. 1

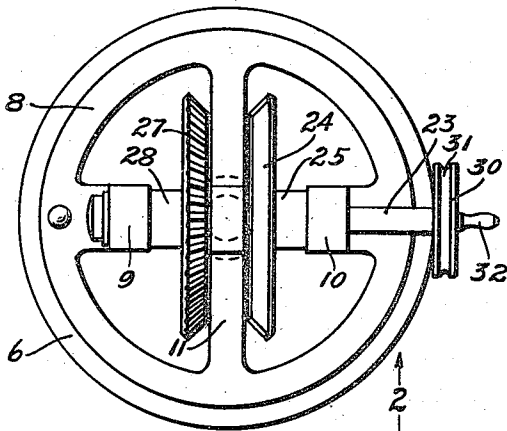


FIG. 2

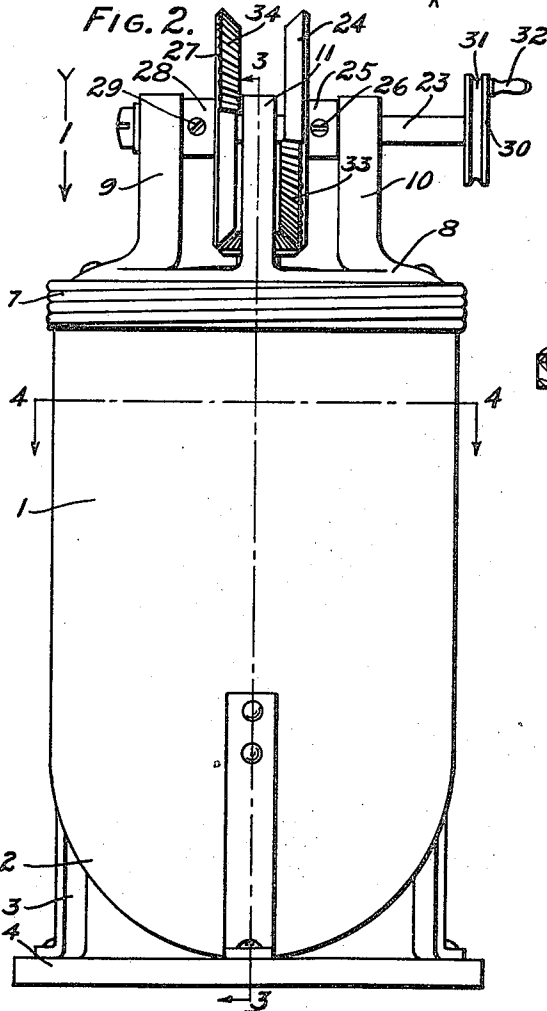


FIG. 3

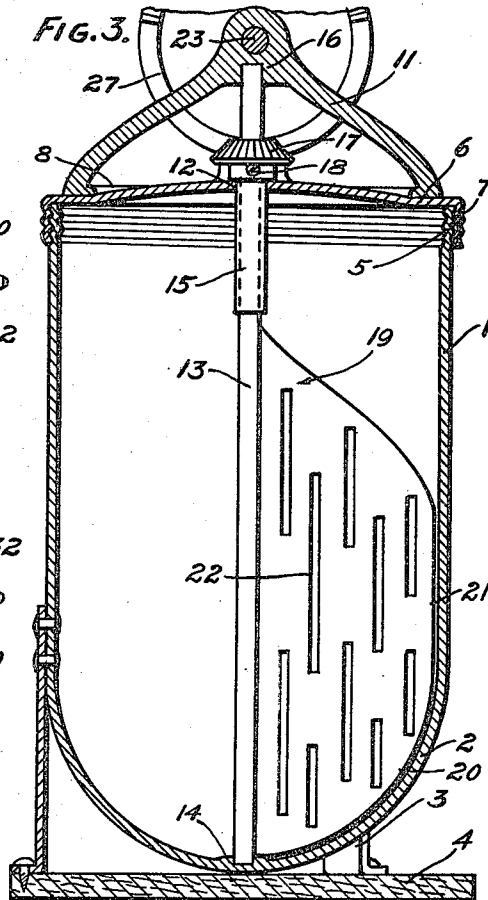
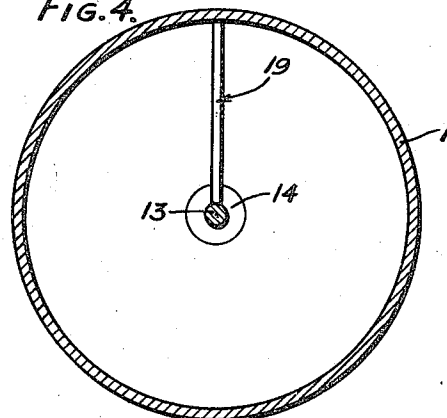


FIG. 4



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GLOVE-CLEANING MACHINE.

1,305,902.

Specification of Letters Patent.

Patented June 3, 1919.

Application filed November 27, 1917. Serial No. 204,265.

To all whom it may concern:

Be it known that I, ELISE JAQUES, a citizen of France, residing at Beverly Hills, in the county of Los Angeles and State of California, have invented new and useful Improvements in Glove-Cleaning Machines, of which the following is a specification.

My object is to make a washing machine especially adapted for cleaning gloves and other small articles, and my invention consists of the novel features herein shown, described, and claimed.

Figure 1 is a top plan view of a glove cleaning machine embodying the principles of my invention.

Fig. 2 is a front elevation as seen looking in the direction of the arrow —2— in Fig. 1.

Fig. 3 is a sectional elevation on the line 3—3 of Fig. 2.

Fig. 4 is a horizontal section on the line 4—4 of Fig. 2.

The tub 1 is cylindrical in plan and has a hemispherical bottom 2. Legs 3 are attached to the tub 1 and to the base 4 so as to hold the tub in an upright position. A screw-thread 5 is formed around the upper end of the tub 1 to receive the screw-cap 6 having a screw-threaded flange 7 fitting the threads 5. A base 8 is mounted upon the cap 6. Posts 9 and 10 extend upwardly from the base 8 diametrically opposite each other, and a bracket 11 extends upwardly from the base 8 half-way between the posts 9 and 10 and across the cap 6 at right angles to the line of the posts. A bearing hole 12 is formed at the center of the cap 6.

The dasher shaft 13 is mounted with its lower end in the bearing 14 at the center of the bottom of the tub and the shaft extends upwardly through a sleeve 15 into a bearing 16 in the bracket 11. A bevel gear 17 is fixed upon the upper end of the sleeve 15; said sleeve 15 operating in the bearing 12; and the sleeve is fixed to the shaft 13 by a set-screw 18. The dasher 19 is in the form of a blade extending from the shaft 13 below the sleeve 15, the lower end 20 of the dasher being rounded to fit the hemispherical part 2 of the tub and the central portion 21 of the dasher being straight to fit the straight cylindrical portion of the tub and said straight portion 21 extending substantially half way from the bottom of the tub to the

top. Vertical rectangular openings 22 are formed through the dasher 19.

The driving shaft 23 is mounted through bearings in the upper ends of the posts 9 and 10 and through the bracket 11. A mutilated bevel gear 24 is mounted upon the shaft 23 and has a hub 25 fitting against the upper end of the post 10 and carries a set-screw 26. A similar mutilated gear 27 is mounted upon the shaft 23 and has a hub 28 fitting against the upper end of the post 9 and carries a set-screw 29. The gears 24 and 27 are substantially alike and have teeth extending approximately half way around, one gear being set with its teeth diametrically opposite the teeth of the other gear and the gear teeth meshing with the bevel gear 17 alternately so as to drive the shaft 13 back and forth. A pulley 30 is fixed upon the end of the shaft 23 and has a groove 31 for the reception of a power belt, and a crank 32 for hand work, so that the machine may be driven from a motor or it may be driven by hand. When the shaft 23 is operated continuously in either direction the teeth 33 upon the gear 24 will mesh with the gear 17 and rotate the shaft 13 in one direction until the end of the teeth is reached and then the teeth 34 upon the gear 27 will mesh with the gear 17 and drive the shaft 13 in the other direction. Continued operation will rotate the dasher 19 back and forth in the tub.

When it is desired to clean gloves or the like, the cap 6 is unscrewed from the tub and a quart, more or less, of gasoline or other such cleansing fluid is placed in the tub with the articles to be cleaned, the cap again replaced upon the tub, and the machine operated for three or four minutes.

It is important that the inner working surface of the tub be round and smooth and that the dasher fit closely against this working surface so that there will be no chance for the gloves to wedge between the edge of the dasher and the working surface.

Various changes may be made in the details of construction without departing from the spirit of my invention as set up in the following claims:

I claim:

1. Apparatus for cleaning gloves or the like comprising a tub having a cylindrical body and a bottom exhibiting a continuous

concave curve in vertical section, a removable cover for the tub, and a shaft journaled in said cover to extend through the tub, said shaft having thereon an agitating blade fitting closely the wall of the tank and presenting smooth continuous edges and surfaces throughout, said blade having relatively narrow slots therethrough for the passage of cleansing liquid, the dimensions of said slots being adapted to prevent gloves or the like small articles from wedging or catching therein.

2. A machine for cleaning gloves and the like comprising a tub having a cylindrical body with a bottom presenting a continuous curve in vertical section, a shaft journaled in said tub and extending therethrough, an agitating blade secured to said shaft and extending therefrom to one side only, said blade fitting closely the wall of the lower portion of said tub for a substantial distance and presenting throughout smooth continuous edges and surfaces, said blade having passages for cleansing liquid there-

through relatively constricted as to one dimension whereby liquid may circulate freely therethrough but the glove or the like article is prevented from catching or wedging therein.

3. A machine for cleaning gloves or the like comprising a tub having a cylindrical body and a generally hemispherical bottom; a shaft journaled to extend through said tub, and an agitator blade fixed to said shaft extending therefrom to one side only to fit closely the wall of the tub for a substantial distance, said blade presenting smooth, continuous edges and surfaces throughout without corners or recesses that would permit tearing or wedging of the articles being handled, and said blade equipped to permit relatively free circulation of gasoline therethrough but to prevent catching or tangling of the articles in the blade.

In testimony whereof I have signed my name to this specification.

ELISE JAQUES.