

Jan. 19, 1937.

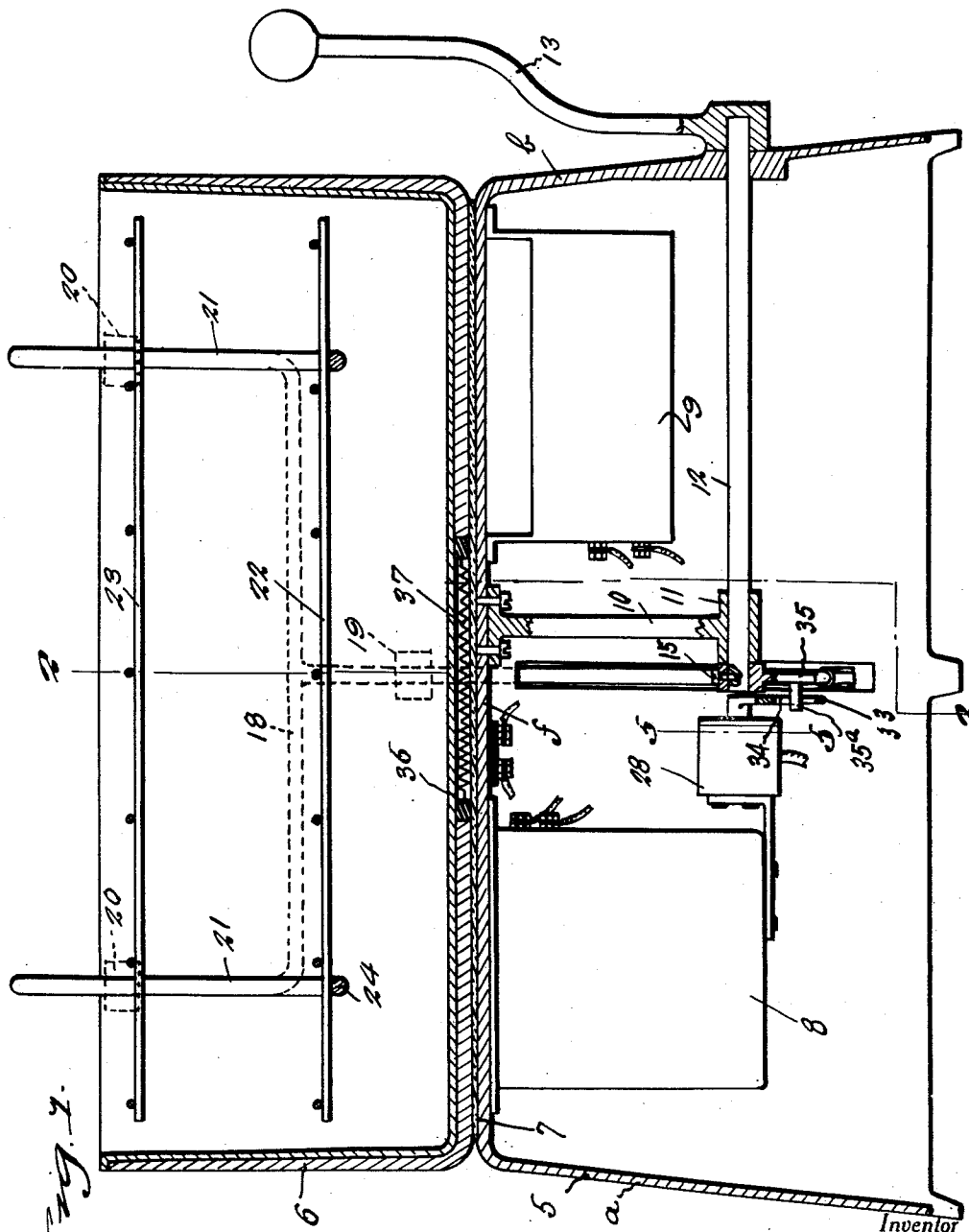
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2,068,408

ELECTRICAL CLEANING BATH

Filed Oct. 21, 1935

3 Sheets-Sheet 1



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3 Sheets-Sheet 2

Fig. 4.

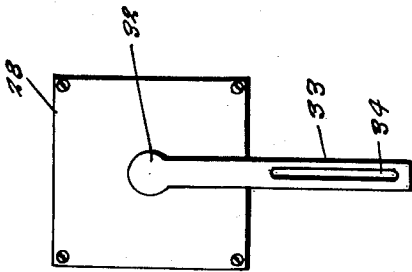


Fig. 5.

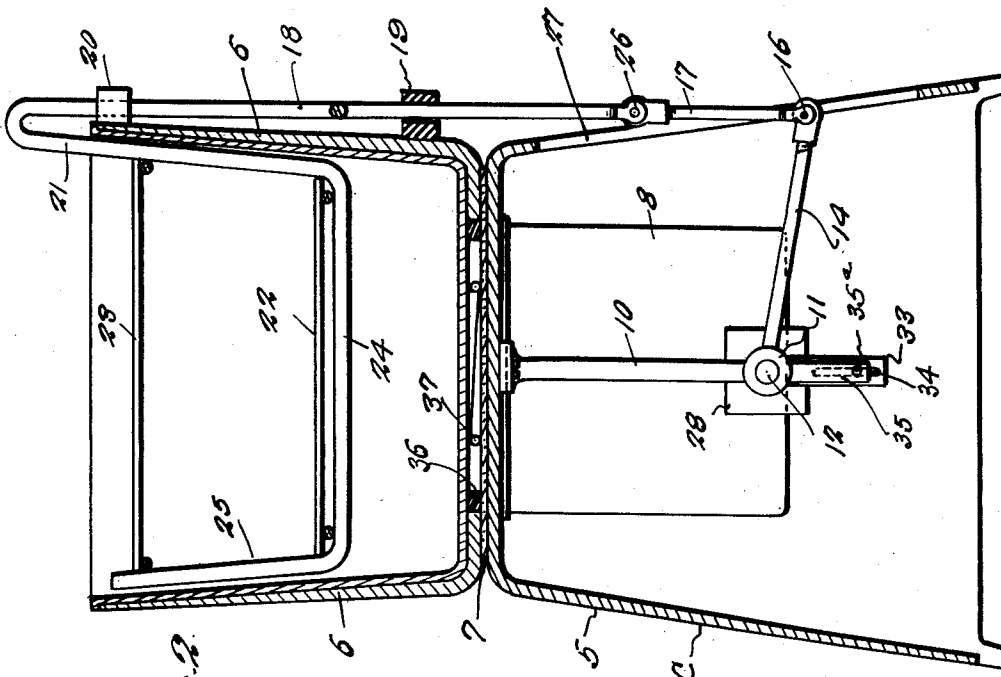
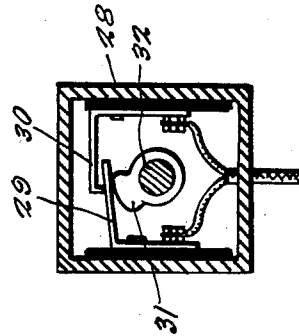


Fig. 2.

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UNITED STATES PATENT OFFICE

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ELECTRICAL CLEANING BATH

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Application October 21, 1935, Serial No. 46,016

1 Claim. (Cl. 219—38)

This invention appertains to new and useful improvements in cleaning apparatus and more particularly to an apparatus for cleaning spectacles and like articles.

5 The principal object of the present invention is to provide an electrical bath for cleaning spectacles and similar articles wherein the articles are dipped for treatment in such a manner as to eliminate any danger of injury to the operator.

10 Another important object of the invention is to provide an apparatus of the character stated which will be of low cost to manufacture and not susceptible to the development of ready defects.

The present invention is an improvement on 15 my co-pending application Serial No. 32,811, filed July 23, 1935. During the course of the following specification other important objects and advantages of the invention will become apparent to the reader.

20 In the drawings:

Figure 1 represents a vertical longitudinal sectional view through the apparatus.

Figure 2 represents a vertical sectional view on line 2—2 of Figure 1.

25 Figure 3 represents a top plan view of the structure.

Figure 4 is a side elevational view of the switch box and operating arm thereof.

30 Figure 5 represents a sectional view taken substantially on line 5—5 of Figure 1.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 represents a base consisting of the end walls *a—b* and the side walls *c—e*.

35 Numeral 6 represents the tank supported upon the base 5 but insulated therefrom by a suitable intervening plate of asbestos or the like denoted by numeral 7. Secured to the top wall *f* of the base 5 is the transformer (step down) denoted by numeral 8 and also the current rectifier 9. Depending from the top wall *f* is the bracket 10 supporting the bearing 11 through which the shaft 12 is journaled, this shaft extending through the end wall *b* and being provided with 40 an elongated hand lever 13 at its outer end.

45 An arm 14, preferably of some insulating material is secured to the inner end of the shaft 12 as at 15 and this arm 14 being pivotally connected at its outer end as at 16 to the connected rods 17 and 18. The rod 18 is guided by the guides

19—20 on the tank 6 and the upper end of this rod 18 is bent downwardly as at 21 into the tank 6. It is preferable that the rod 18 be of U-shape with the leg portions depending into the tank 6 in parallel relation and extending under the racks 22—23 as at 24 then upwardly as at 25 to provide a stable cradle for the rack upon which the articles to be cleaned are placed. At the point where the members 17 and 18 connect, rollers 26 are provided for riding against the 10 back side of the wall *e* where the rod section 17 extends through the vertical slot 27 therein.

As shown in Figure 5 a switch having a casing 28 includes the spring contactor 29 and the spring contactor 30 with which the contactor 29 15 is engageable. This contactor 29 is urged against the contact 30 by a cam 31 located on the shaft 32 which at its outer end as shown in Figure 4 has an arm 33 provided with a longitudinally extending slot 34 therein for receiving the lateral 20 pin 35 projecting from the depending arm 35 on the shaft 12.

In a pocket 36 in the bottom of the tank 6 is located the electrical heating elements 37. The rectifier 9, step down transformer 8, switch 28 25 and heating element 37 are all in circuit and controlled incidental to the actuation of the racks 22, 23 by the hand lever 13.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit or scope of the invention as claimed hereinafter.

Having thus described my invention, what I 35 claim as new is:

In an electrical bath, a tank, a hollow base, a shaft journaled for rotation in the bath, one end of the shaft extending outwardly of the base and provided with a handle, the inner portion of the shaft being provided with a laterally disposed 40 arm, said base having its side walls provided with a vertical slot through which the arm extends, a vertically movable bar having a cross member at its top, a plurality of U-shaped arms 45 extending from the said cross member and depending into the tank and connecting members between the said U-shaped members adapted to form a rack in the tank.

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