May 23, 1933. C. E. ERICSON 1,910,683

WAXER AND POLISHER

Filed Sept. 19, 1932

Fig. 2.

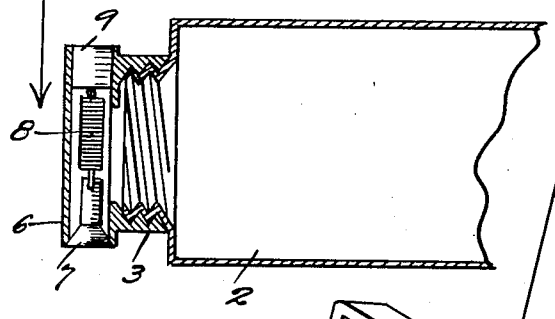


Fig. 1.

INVENTOR,
C. E. Ericson;
BY
F. E. Maynard,
ATTORNEY.

Patented May 23, 1933 1,910,683

UNITED STATES PATENT OFFICE

CHARLES E. ERICSON, OF LOS ANGELES, CALIFORNIA

WAXER AND POLISHER

Application filed September 19, 1932. Serial No. 633,867.

This invention relates to apparatus for applying a cleaning or polishing liquid to and for polishing floor or other surfaces.

It is an object to provide a device of this class including a container for the liquid and to provide a kinetically actuated valve whereby the liquid may be readily discharged at the will of the operator without necessity of actual fingering of a valve or other discharge device by the operator.

A further object is to provide a waxer and polisher of substantial and low cost construction and in which several elements are removable and adapted for replacement when worn, broken or lost, and further to provide a cap or filler unit incorporating the discharge means.

The invention consists in certain advancements in this art as set forth in the ensuing disclosure and having, with the above, additional objects and advantages as hereinafter developed, and whose construction, combination and details of means, and the manner of operation will be made manifest in the description of the herewith illustrative embodiment; it being understood that modifications, variations and adaptations may be resorted to within the scope, principle and spirit of the invention as it is more directly claimed hereinafter.

Figure 1 is a perspective of the polisher as in use.

Figure 2 is a detail section of the cap and discharge valve.

In its illustrated form the apparatus includes a container in the form of a simple oblong tin can 2 at one end of which is a filling screw-cap 3, and the sides of the can are provided with a handle yoke 4 for a handle 5 which provides for manual propulsion of the polisher.

A novel feature of the apparatus resides in the means for controlling discharge of the liquid content from the can 2, and which comprises a discharge mouth 6 in which is seated a valve 7 automatically retracted to closed position by a spring 8 one end of which is anchored as to a plug 9 fixed in the mouth piece 6.

The mouth piece and its valve may be positioned and attached to the can on either end and is here shown as incorporated with the cap 3 to form a unit attachment, though it is not necessarily limited to such incorporation.

When the can is on the floor in operative position the mouth opens at its lower end which is normally and automatically closed by the valve 7.

If it is desired to effect discharge from the can this is slightly lifted by the handle 5 and then thumped down on the floor with the result that the valve 7 opens under kinetic impulse just enough to allow leak of the liquid from the mouth 6; the spring 8 instantly closing the valve again.

Polishing is effected by a soft cloth or felt strip 10 fastened in any suitable manner around the top, bottom and ends of the can. The strip 10 is removable and reversible top for bottom and inside for outside, until thoroughly worn out, when it may be replaced by a new strip.

It will be seen that the liquid will only be dispensed by such a shock downward as will open the valve 7.

When not in use the polisher can be hung up by its handle; the yoke allowing for a full reverse of the can if desired so that the can may be hung in the plane of the handle axis.

When the can is pushed to and fro on the floor a quantity of the liquid will surge forward into the mouth 6 which forms a reservoir holding some of the liquid above the valve 5. This surge action occurs constantly and a small amount will be collected in the reservoir as long as any liquid remains in the can.

What is claimed is:

1. A waxer and polisher comprising a container with a polishing ply on its bottom face and having a vertical end wall with a filling cap provided with a vertically disposed, tubular discharge member having a bottom outlet above the bottom plane of the container, an upwardly closing, automatic discharge valve in said outlet, and a handle pivotally connected to and whereby the container may be tilted upward on the end re-

mote from the valve as a fulcrum and by which the bottom of the container may be jolted against a subjacent surface to cause the valve to be opened by kinetic energy.

2. A waxer and polisher comprising a handle with a bottom yoke, a liquid container on which the yoke has pivots between the ends of the container, polishing plys on the top and bottom faces of the container providing for inverticle use of the container, and means disposed in one end wall of the container and wholly between its top and bottom planes for discharging liquid therefrom.

3. A waxer and polisher comprising a handled, liquid container, and means disposed in an end wall of the container and wholly between its top and bottom planes for discharging liquid therefrom; said means including a kinetic-action, upwardly-self-closing valve.

CHARLES E. ERICSON.