G. E. SIMONS.

DEVICE FOR APPLYING POLISHING MATERIALS.

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1,235,252. Patented July 31, 1917.

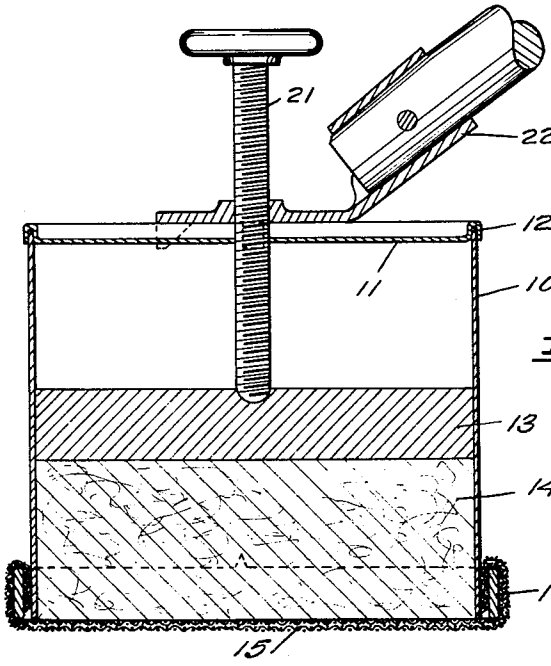


Fig. 1



Fig. 3

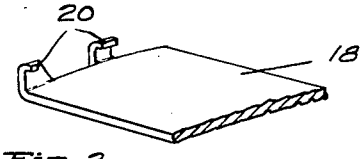


Fig. 2

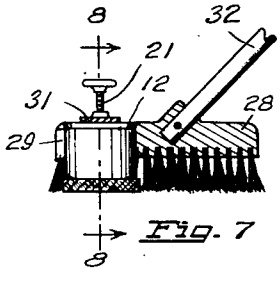


Fig. 7

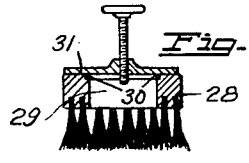


Fig. 8

Fig. 4

Fig. 6

Fig. 5

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DEVICE FOR APPLYING POLISHING MATERIALS.

1,235,252. Specification of Letters Patent. Patented July 31, 1917.

Application filed January 13, 1916. Serial No. 72,178.

To all whom it may concern:

Be it known that I, GEORGE E. SIMONS, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented a new and useful Improvement in Devices for Applying Polishing Materials, of which the following is a specification.

This invention relates to improvements in containers wherein polishing materials as wax preparations may be stored and to improvements in means of applying such polishing material and the object of this improvement is to provide a container for polishing material having a pad for applying such material and means for forcing the polishing material outwardly through the pad as it is used.

A further object is to provide means for attaching a handle to each can of polish whereby when one can is emptied the handle may be removed therefrom and placed on another can.

Still further objects are to provide a mop or polishing device that may be used in connection with my container to polish a floor or other surface after it has been waxed and to provide a brush for use in connection with my container in applying the wax.

The invention consists in the novel construction of a container and the adaptation and combination of such container with handle and polishing devices as will be more clearly described in the following specification, illustrated in the accompanying drawings and finally pointed out in the appended claims.

In the accompanying drawings Figure 1 is a view in vertical cross section of a container embodying this invention; Figs. 2 and 3 are fragmentary views in perspective of details of the invention; Fig. 4 is a view in side elevation of the device as it may appear when associated with a mop therein shown partly in cross section; Fig. 5 is a plan view of the frame of the mop that is shown in Fig. 4; Fig. 6 is a view in cross section illustrating the fabric mop element that may be used on the frame shown in Fig. 5; Fig. 7 is a view in cross section of a brush that is adapted for use in connection with my container and Fig. 8 is a cross section on broken line, 8, 8 of Fig. 7 with the container removed.

Referring to the drawings throughout which like reference numerals indicate like parts the numeral 10 indicates the side walls of an annular container that is open at the bottom end and is preferably constructed of any light cheap material as tin. 11 is a top that is secured to the sides 10 in any well known manner so that a peripheral bead 12 is formed around the top end (see Fig. 1).

13 is an annular disk that is placed in the top portion of the container to serve as a plunger and below which the can is filled with any desired kind of polishing material 14 which for the purpose of this description will be called wax and which must be in a plastic state in order that it may be forced out through a fabric pad 15 on the bottom of the can.

The fabric 15 is applied to the bottom of the can by stretching it across one end of an annular ring 16 then folding the edges upwardly around the outside of the ring and downwardly on the inside thereof and then passing the ring over the bottom end of the can in such manner that the edges of the fabric are securely held between the can and the ring. Barbs 17 (see Fig. 3) are preferably provided on the top of the ring 16 to engage with and hold the fabric while it is being put on and to insure that it will not work off while in use.

A cross piece 18 is provided for the top of the can such cross piece being provided on each end with hooks 20 adapted to engage with and clamp upon the bead 12 and in the center with a threaded hole for the reception of a screw 21 that passes downwardly through a hole in the top 11 and engages the plunger 13 the screw 21 being provided on its top end with a suitable hand hold by which it may be turned. The cross piece 18 is further formed with an integral ferrule 22 in which may be secured a handle 23.

In Figs. 4, 5 and 6, I have shown a mop that is adapted to be used with my container, and consists in a frame 23 that is secured by a rivet 24 to a shallow metal dish 25 wherein the end of the container is adapted to rest the dish serving as a bottom for the container when it is not in use and preventing the wax from drying out and the container and its handle serving as a handle for the mop when the mop is used for polishing. A fabric mop element 26 of a form more clearly shown in Fig. 6 is adapted to be placed on the frame 23 by inserting such frame within a suitable passageway in the

top portion of the mop element, the lower portion of the mop element forming a mat that prevents the frame 23 or dish 25 from coming in contact with the floor.

In Figs. 7 and 8 I have illustrated a brush 28 that is adapted to be used in combination with my container, such brush being slotted at the forward end thereof as indicated at 29 to receive the container and being provided with grooves 30 that engage with the bead 12 to support the container. A plate 31 similar to the plate 18 is secured to the brush 28 crosswise of the slot 29 and is provided with a suitable tapped hole for the reception of a bolt 21 that operates as hereinbefore described and coacts with the grooves 30 to hold the container in its proper position. The brush 28 is provided with a suitable handle 32 that may be secured directly to the brush, as shown, or may be connected with the plate 31 in the same manner that the handle is connected with the plate 18.

In operation the handle is placed on the container as shown in Fig. 1, the screw 21 is secured downwardly through the hole in the top of the container onto the plunger 13 until the plunger is moved downwardly a sufficient distance to cause the wax therein to be pressed firmly against the coarse fabric 15 and to be squeezed outwardly through such fabric. The fabric is then rubbed over the floor as a mop and the wax rubbed onto the floor the heat generated by the rubbing causing the wax to soften and ooze out through the fabric. After the floor is waxed the device is placed in the pan 25 of the mop, as shown in Fig. 4 and the floor is polished with the mop.

When the device is not in use the container is left in the pan 25 which serves as a covering and prevents the wax from drying out.

The device shown in Fig. 7 is adapted for waxing and polishing at the same time, the container spreading the wax and the brush rubbing the wax in.

While this device is designed especially for the waxing of floors it will be understood that it may also be adapted to other uses and that various changes in the shape, form and arrangement of the parts may be resorted to within the scope of the appended claims.

What I claim and desire to protect by Letters Patent is:—

1. A device of the class described, comprising a casing wherein soft material may be stored said casing having an open bottom end and an inclosed top end, a porous pad adapted to cover said bottom end, a plunger disposed within the upper portion of said casing, a clip adapted to be removably associated with the top end of said casing and means associated with said clip for penetrating said top end and engaging said plunger to force material outwardly through said porous pad.

2. A device of the class described, comprising a casing wherein soft material may be stored said casing having an open bottom end and a sealed top end, a porous pad adapted to cover said bottom end, a plunger disposed within the upper portion of said casing, a clip adapted to be removably associated with the top end of said casing, a handle secured to said clip, and means associated with said clip for penetrating said sealed top end and engaging said plunger to force material outwardly through said porous pad.

3. A receptacle for soft material comprising an annular casing having an open bottom end and a top end that is provided with an opening therethrough, an annular ring adapted to fit over the bottom end of said casing, fabric stretched across said ring and secured between said ring and said casing to form a bottom for said casing, a plunger disposed in the top of said casing and adapted to act as a seal for the opening in said top end, a clip adapted to be removably secured to the top of said can, a handle secured to said clip, and a screw in said clip and adapted to extend downwardly through said opening in the top of said can to engage with and move said plunger.

4. The combination with a container having perforations in the bottom end thereof a plunger in said container, of a clip adapted to be removably secured to the top of said container, a handle in said clip, and means on said clip adapted to enter said container and operate said plunger.

5. A device of the class described comprising a casing having an open bottom end that is covered by a porous pad said casing being provided with means for forcing soft material outwardly through said pad, of a handle associated with said casing and a mop said mop having a receptacle for the bottom end of said casing whereby said casing and its handle may serve as a handle for said mop and said receptacle may serve as a cover for the bottom end of said casing.

Signed by me at Seattle, Washington, this 22nd day of December, 1915.

GEORGE E. SIMONS.

Witnesses:
E. B. HERALD,
F. C. MATHENY.