April 18, 1939. S. J. GLENN 2,155,125

FLOOR WAXING DEVICE

Filed May 13, 1938 2 Sheets-Sheet 1

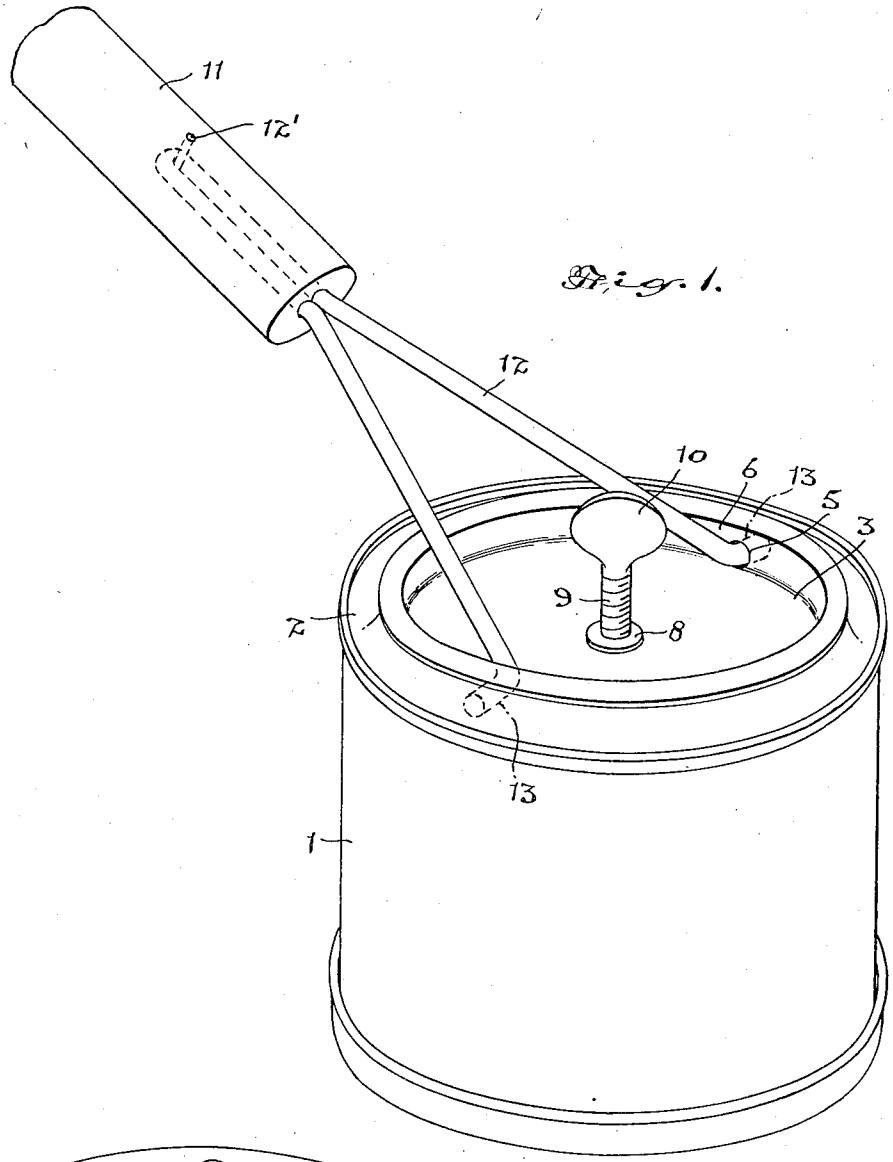


Fig. 1.

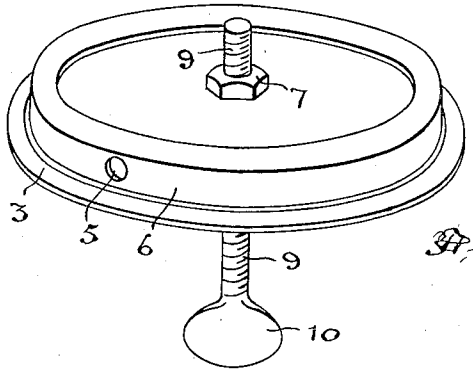


Fig. 3.

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FLOOR WAXING DEVICE

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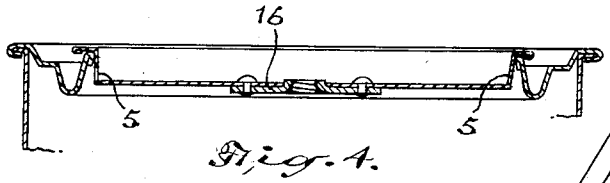


Fig. 4.

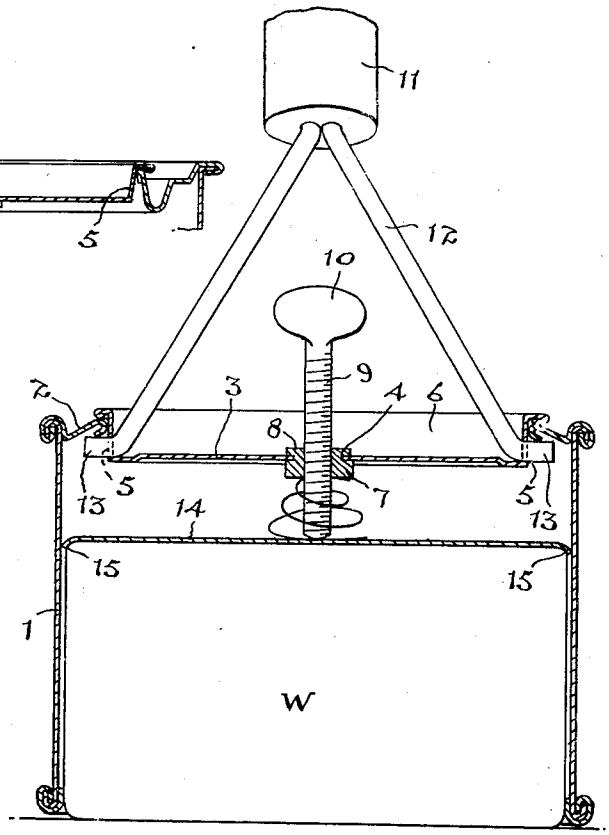


Fig. 2.

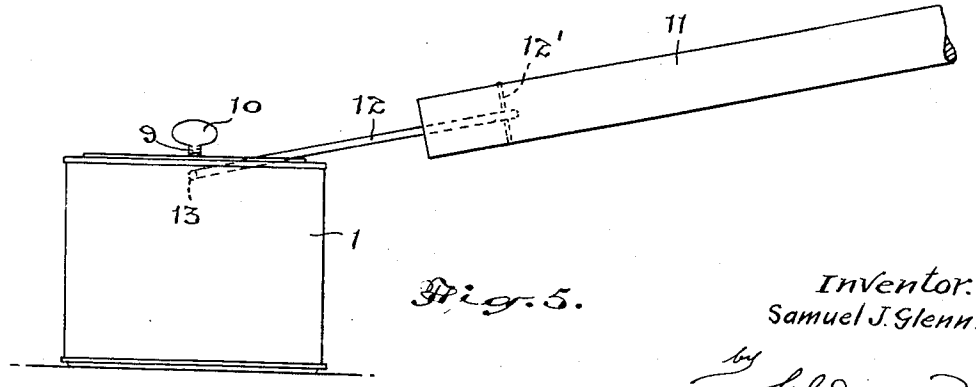


Fig. 5.

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UNITED STATES PATENT OFFICE

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FLOOR WAXING DEVICE

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Application May 13, 1938, Serial No. 207,689
In Canada December 10, 1937

7 Claims. (Cl. 91—36)

The principal objects of the invention are to provide a means for readily converting the regular type of floor wax container into a device for applying the wax to the floor surface, which may be very easily handled and will apply the wax uniformly and economically.

A further object is to provide a handle of an extremely cheap but effective construction which will be automatically locked on the container and may be easily and quickly detached and replaced on other containers.

The principal feature of the invention consists of a container cover to fit into a flanged wax container and a handle having a spring fork with lateral ends extending through openings in the cover to engage and interlock with the container flange, said container having a stem threaded therein to engage a loose plate placed between the cover and the contents of the container to feed said contents downwardly to the open bottom of the container.

In the accompanying drawings Figure 1 is a perspective view of my floor waxing device assembled ready for use but having the bottom closure cap in place.

Figure 2 is a vertical mid-sectional view through the assembled device ready for use.

Figure 3 is a perspective detail of the cover removed from the container and turned bottom side up.

Figure 4 is a sectional detail showing a modified form of handle-holding cover engaging a different type of can rim.

Figure 5 is a side elevational view on a smaller scale showing the handle in its lowermost position.

Referring to the drawings, the container 1 is of the ordinary form used in packaging floor wax, having a flange rim 2 extending inwardly at the top thereof to receive the well known "lever" type of sealing cover.

The cover 3 herein shown is the same as the ordinary sealing cover but is provided with a centrally arranged hole 4 and a pair of diametrically arranged openings 5 in the cylindrical wall 6 which engages the flange rim 2 of the container. A nut 7 is mounted on the cover, having an annular extension 8 projecting through the hole 4 and flanged over to secure the nut permanently in position.

A threaded spindle 9, provided with a suitable head 10 extends through the hole 4 and is threaded in the nut 7.

A handle 11, which may be of wood has secured in a hole in one end a fork member 12, preferably formed of a doubled length of spring wire, the arms of the fork being spread outwardly and having their extremities 13 bent laterally to extend through the openings 5 in the cover 3, the spring of the fork arms holding the cover securely thereon and when the cover is placed in position in the container rim, the fork ends 13 extend under the flange rim 2 and automatically lock the cover in place. A pin 12' is inserted in the handle to extend through the looped end of the wire fork 12.

In assembling the handle, cover and container to form a wax applying device, the bottom 14 of the container is cut close to the wall by a suitable form of can opener, which will cut the metal with a clean edge, forming a slightly curved rim 15 on the severed portion. The ordinary cover of the container is removed and the solid block of wax is pushed out through the open bottom.

The severed bottom 14 is then placed within the container and the block of wax is replaced therein.

The cover 3 is placed in position and the fork end of the handle is sprung into place, the lateral ends thereof entering the holes in the side walls and extending therethrough to engage the underside of the rim 2 thereby locking the container on the handle.

The container when thus mounted on the handle is pivotally supported on the lateral extremities so that when the container is placed upon the floor, the handle will pivot thereon as it is moved back and forth in the action of spreading the wax.

Pressure is applied to feed the wax downwardly by turning the threaded spindle 9 so that its inner end presses against the bottom plate 14. It will be readily understood that as the bottom is cut out of the container the block of wax W will rest upon the floor surface and as the container is moved back and forth over the floor surface the wax is spread uniformly. The arrangement of the loose bottom plate 14 held in position by the spindle 9 ensures the feeding of the wax until it is completely used up.

When the charge of wax in a container has been used, the cover with its screw spindle is easily and quickly removed by springing the fork arms inwardly to release the lateral extremities thereof from engagement with the flange rim of the container. The cover is then removed and cover and handle are ready for application to another container.

In the detail shown in Figure 4, the cover is shown applied to the ordinary "paint can" type

of rim and the nut for holding the screw spindle is in the form of a metal bar 16 riveted to the cover metal.

What I claim as my invention is:

1. A floor waxing device comprising a container having an inturned rim, a cover adapted to fit within said rim, and a forked handle having its extremities extending through said cover and engaging said rim, locking the container and handle together.

2. A floor waxing device comprising a container having an inturned rim, a cover adapted to fit within said rim, having diametrically opposed openings, and a forked handle having laterally turned extremities projecting through said openings and extending under said rim and forming a pivotal connection between the handle and the container.

3. A floor waxing device comprising a container having an inturned rim, a cover adapted to fit within said rim having diametrically opposed openings, and a handle having a fork end of spring material formed with laterally turned extremities adapted to project through the openings of the cover and to extend under said rim.

4. A floor waxing device as claimed in claim 1 having a threaded spindle mounted in the cover, and a plate engaging said spindle and bearing against the wax in the container.

5. A device as claimed in claim 1 having a nut mounted centrally of the cover, and a spindle threaded in said nut and extending into the container, and a plate engaged by said spindle and bearing against the wax in the container.

6. A device as claimed in claim 1 in which the cover is formed with a central hole, a nut having an annular extension projecting through said hole and flanged over the edge of said hole, and a spindle threaded in said nut and extending into the container.

7. A floor waxing device having an inwardly turned rim, a cover adapted to fit within said rim having diametrically opposed openings, a handle, a doubled length of spring wire secured in said handle and bent outwardly to form a fork, the extremities thereof being bent laterally and extending through the openings in said cover and engaging the inner side of said flange rim in rotating contact and locking said cover and container together.

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