Oct. 6, 1925. 1,556,563

J. A. THORBURN

DEVICE FOR APPLYING POLISHING MATERIALS

Filed April 24, 1922

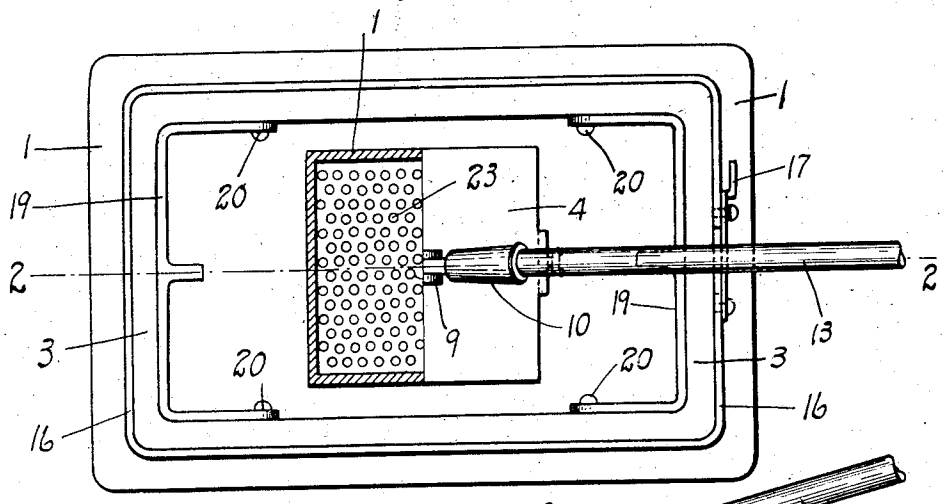


FIG. 1.

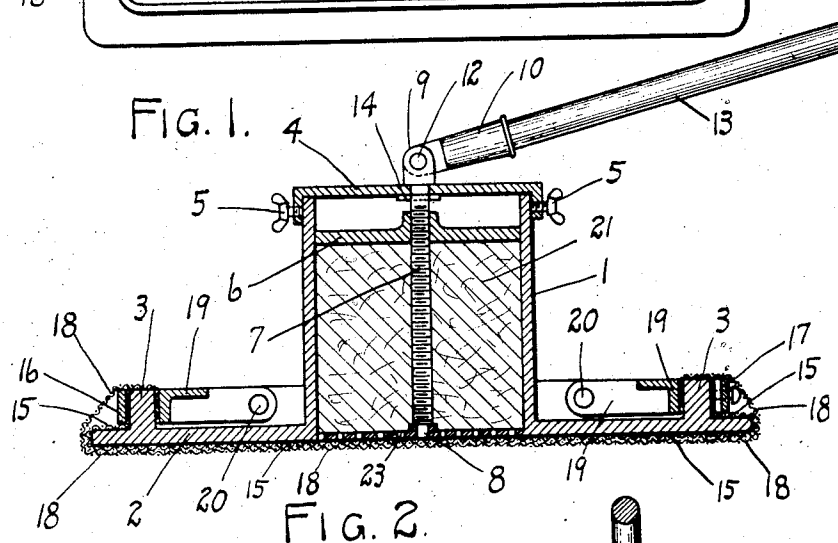


FIG. 2.

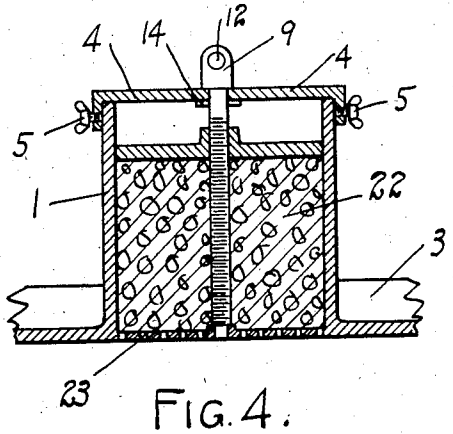


FIG. 4.

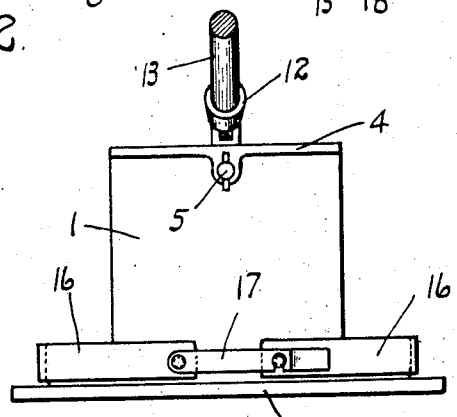


FIG. 3.

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UNITED STATES PATENT OFFICE.

JOHN A. THORBURN, OF NORWOOD, OHIO, ASSIGNOR TO RAY THORBURN, OF HAMILTON COUNTY, OHIO.

DEVICE FOR APPLYING POLISHING MATERIALS.

Application filed April 24, 1922. Serial No. 556,338.

To all whom it may concern:

Be it known that I, JOHN A. THORBURN, a citizen of the United States, residing at Norwood, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Devices for Applying Polishing Materials, of which the following is a specification.

This invention relates to that class of polishing devices or apparatus, which are formed of a body part, usually a container which holds wax preparations, and connected means for forcing the wax preparations out of said container.

One of the features of my invention consists in providing a screw threaded shaft or rod which passes through the wax container and is stepped in the bottom thereof, in combination with an upwardly and downwardly moving platen or pressure plate for forcing the wax contents through the perforated container bottom; the screw shaft passing through the top of the container and having the handle pivotally connected thereto at its extremity; the turning of the handle in a circular or in the arc of a circle presses the wax in the container through its perforated bottom onto the material or pad to receive the wax.

Another feature of my invention enables me to remove the screw, platen, lid and handle as one unit out of the container.

Another feature consists in making the container, its base and retaining walls for the wax pads or material, integral.

Other features consist in unique and simple means for holding and locking waxing pads and cloths in position.

In the accompanying drawing forming part of this specification:

Fig. 1, is a plan view showing part of the container in section, part of the lid removed, and the handle partly broken away,

Fig. 2, is a section on the line 2—2, of Fig. 1, showing the waxing cloths in position,

Fig. 3, is a front view, the handle shown in section, and

Fig. 4, is a section on line 2—2, of Fig. 1, the handle being omitted and the base broken away at each end, the waxing cloths also being omitted.

The wax holder, receptacle or container, is marked 1, its base 2 and a wall 3 surrounds said base, all said parts being made of one casting and integral; said parts may, however, be made separately or otherwise formed; the form I show being preferred.

The container is covered by a lid or cover 4, held in closed position by the wing nuts 5. In the container 1, I place a platen or pressure plate 6, which can be moved up and down on screw shaft or rod 7, revolving in and held in alignment or centered in a step 8. At the top of screw shaft 7, I place a fork or bifurcated part 9, into which a handle housing 10 is pivotally connected at 12, the handle part 13 being connected into the handle housing or socket 10; thus the handle is enabled to swing. The screw 7 passes up through the cover 4 and is held against displacement by the pin 14. These parts may be connected together in any other manner found efficient and practicable.

The waxing cloths are placed over the mouth of the container and its frame.

Generally two cloths, pads, or other materials are used for waxing and polishing the floor, any system of using said pads or cloths is discretionary with the user or operator.

In the present instance, I illustrate two pads or cloths and the manner of fastening them. For example 15 is a waxing cloth which passes over the entire face of the device and up over the top of the wall 3 all around, and is held in position by the retaining band 16 which passes around the wall 3, and at the front side of the device is connected up by a latch 17; if it is desired to take off said cloth 15, the latch 17 is loosened and the cloth can be very readily removed.

The other pad which may be called a polishing cloth or pad, which is used after the wax has been applied is marked 18, and this cloth extends over the face of the device and is connected only at each end through the agency of the U-shaped clamping arms 19; said clamping arms are pivotally connected at points 20, so that they can be swung up, to place on or take off the cloth 18, or swung down to hold it tightly in position.

The wax in the container 1 is designated by character 21. In Fig. 4 I show a sponge 22 which may hold the wax or waxing fluid.

The perforations in the bottom of the container are marked 23 and may be of any size or contour.

Usually in operation the waxing pad or cloth is first used and this applies the wax to the floor, then the polishing pad is used, after the waxing pad has been left on or taken off the device.

It will readily become apparent that by turning the handle 13 in the proper direction it will turn the screw 7 and force the platen 6 to travel down onto the wax 21 in the container 1, and force it out of the perforations 23 onto the pad, and, by turning the handle 13 in an opposite direction the platen 6 will move upwardly; a similar operation will result if the sponge 22 is used, except the wax fluid will be pressed out of the sponge; the result, however, will be the same.

It will be readily observed that my device is simple, compact, efficient, and possesses great utility.

It will not readily get out of order and is of a permanent and standard character.

While I have set forth one specific means for carrying my invention into effect, it will be understood that the same is capable of some modification and that such modifications will still fall within the scope of this specification and the appended claims.

What I claim as new and my invention and desire to secure by Letters Patent is:

1. In a device of the character described, a base provided with an upwardly extending receptacle having a perforated bottom, a screw having its lower end rotatable in the bottom of the receptacle and having its upper end rotatably mounted in the top of the receptacle, a piston threaded to the screw and arranged in the receptacle for forcing waxing material through the perforated bottom, a pad connected to the base and adapted to receive waxing material from the receptacle, and a handle pivotally connected directly to the upper end of said screw, said handle being rotatable about the axis of the screw for operating said piston and to permit the handle to extend in different directions from the base, said handle being also rotatable about the axis of the pivot.

2. In a device of the character described, a base provided with a receptacle having a perforated bottom and a removable cap, a screw rotatably connected to the top, means for preventing the screw from moving axially relatively to the top, a piston arranged in the receptacle and threaded on said screw for forcing waxing material out of the receptacle, a pivot pin arranged at the upper end of said screw and having its axis horizontally disposed and intersecting the axis of the screw, a handle pivotally connected directly to said pin and capable of movement about the axis of the screw and about the axis of the pin, said handle, top, screw and piston being detachable as a unit from the receptacle, and a waxing pad secured to the base and adapted to receive waxing material from the receptacle.

3. A device of the character described including a base having an annular ridge on its upper side, a waxing pad stretched across the underside of the base and having its edge engaging said ridge, an annular clamping member securing the pad to the ridge, a second pad stretched beneath the first mentioned pad and having its ends passing over the ends of the ridge, pivotally mounted locking bails arranged to clamp the ends of the second pad against said ridge, a tubular receptacle integral with the base and having a perforated bottom, a top for said receptacle, a screw rotatable in said top and bottom, a piston arranged in the receptacle and threaded on the screw, and an operating handle directly connected to the upper end of the screw.

In testimony whereof, I affix my signature at Cincinnati, Ohio, this 20th day of April, 1922.

JOHN A. THORBURN.