Nov. 21, 1933. J. KAUFMANN 1,936,360

WAXING AND POLISHING DEVICE

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Fig. 1.

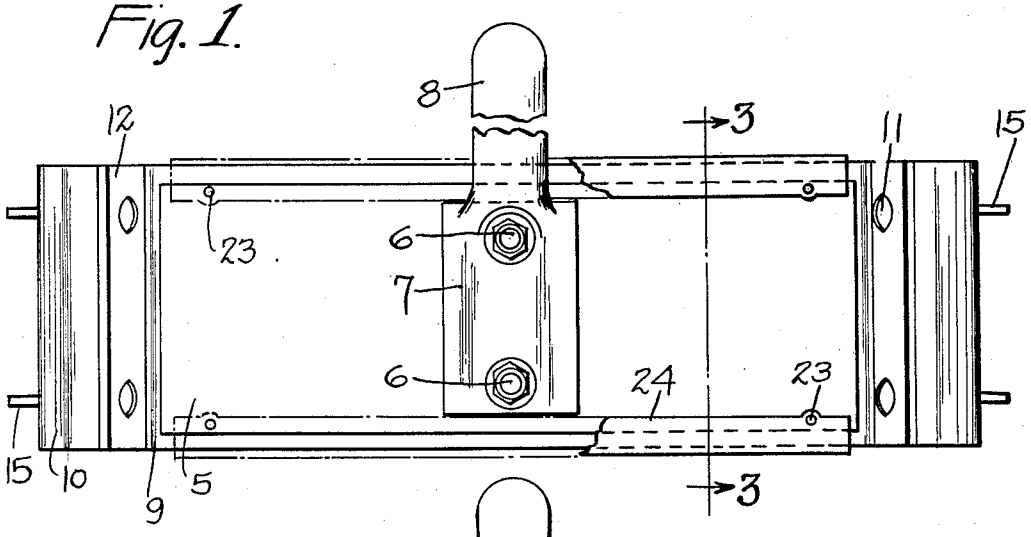


Fig. 2.

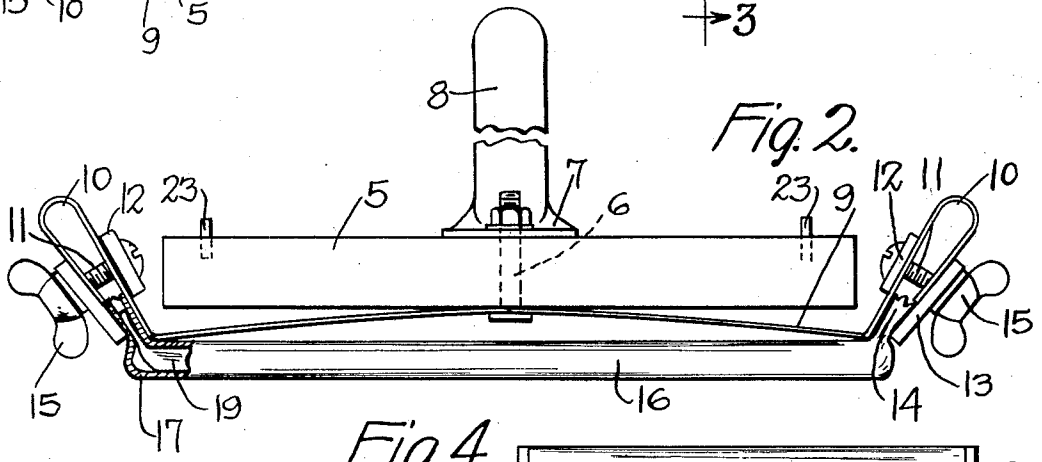


Fig. 4.

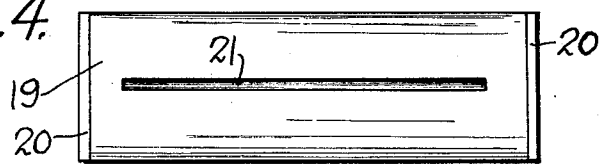
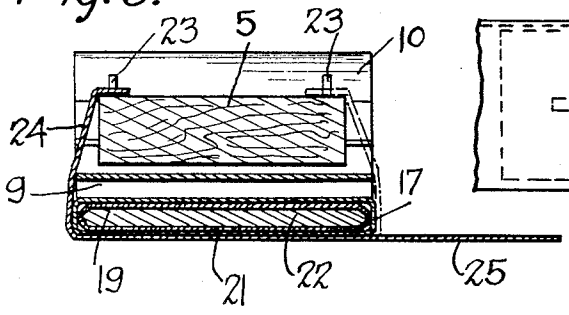


Fig. 3.



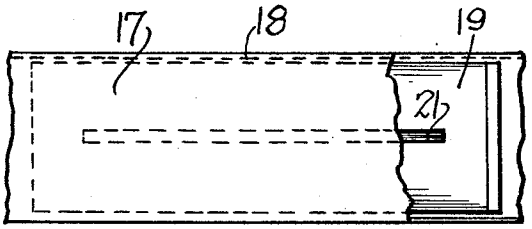


Fig. 5.

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Fig. 6.

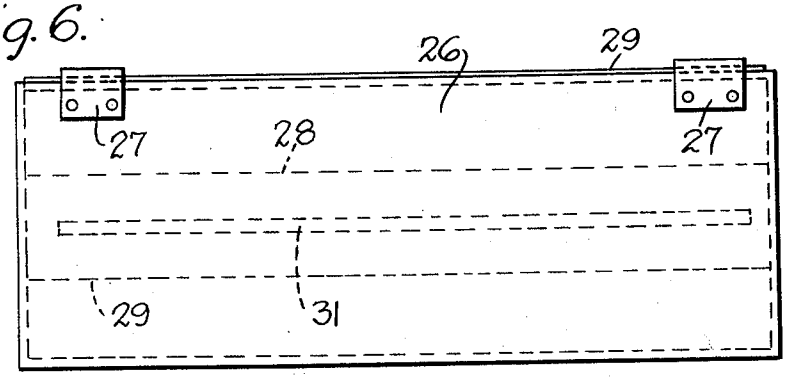


Fig. 7.

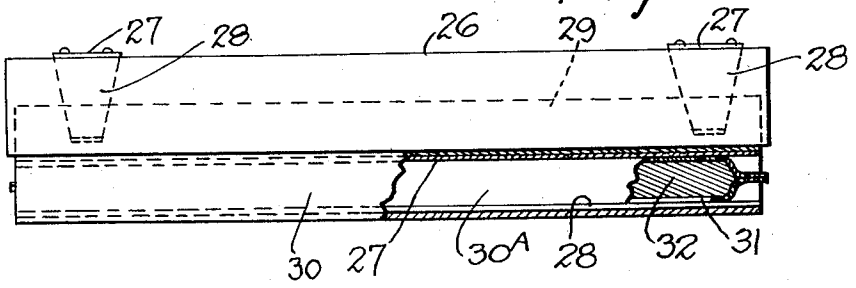


Fig. 8.

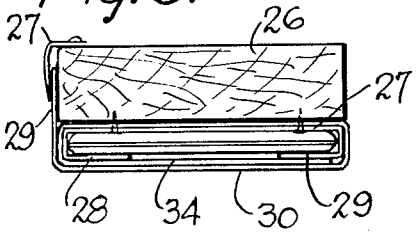


Fig. 9.

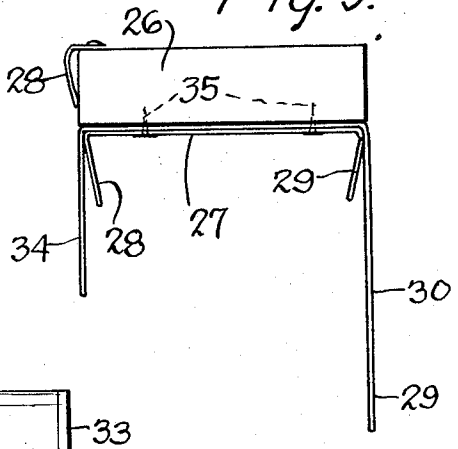
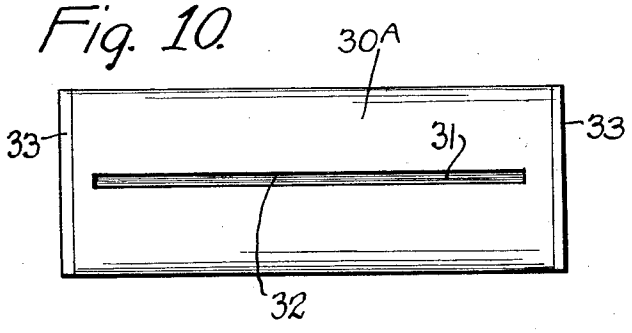


Fig. 10.



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Patented Nov. 21, 1933

1,936,360

UNITED STATES PATENT OFFICE

1,936,360

WAXING AND POLISHING DEVICE

John Kaufmann, Astoria, N. Y., assignor to First National Bank, Toledo, Ohio, as trustee

Application March 14, 1930. Serial No. 435,800

3 Claims. (Cl. 91—39)

This invention relates to polishing devices and in particular to a waxing device from which the wax is dispensed, as used, without attention on the part of the operator.

A particular object of my invention is to provide a surface polishing or waxing device which is refillable and which eliminates the necessity of applying wax preparatory to a polishing operation.

A still further object of my invention is to provide a waxing or polishing device in which the polish containing member is replaceable when the same becomes empty or soiled, and one consisting of few parts and one which may be employed in the waxing of the floors or, when made up in different forms, to the waxing and polishing of furniture, tables and the like.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings:

Figure 1 is a view in plan of a waxing device constructed in accordance with my invention.

Figure 2 is a view in side elevation of the waxing device illustrated in Figure 1.

Figure 3 is a section taken on the line 3—3 of Figure 1 and shows the construction of the device.

Figure 4 is a plan view of the wax holding tube.

Figure 5 is a plan view of a sleeve member in which is disposed the wax holding tube, a part of the sleeve being broken away to disclose the tube therein.

Figure 6 is a plan view of a modified form of my invention which is adapted for hand use.

Figure 7 is a view in side elevation of the device illustrated in Figure 6, a portion thereof being broken away to illustrate the construction.

Figure 8 is a view in end elevation of the device illustrated in Figure 6.

Figure 9 is a view similar to Figure 8 before the wax holding member or tube has been placed in position and the covering fabric drawn thereround to produce the device as illustrated in Figure 8, and

Figure 10 is a plan view of the wax holding tube.

Referring to the drawings in detail, 5 indicates the base or backing of my waxing or polishing implement. This backing 5 is preferably made of wood and through the medium of the bolt 6 has secured at the center thereof the flattened extension 7 of a handle 8 and on the under side, the spring plate support 9. The spring plate support and backing 5 together constitute means for transmitting pressure from the handle 8 to a polish containing unit hereinafter to be described and as such, will be referred to as a presser head. The spring plate support 9 as indicated in Figure 2 is looped at its ends as at 10 through which passes a clamp bolt 11. The clamp bolt passes through a strip 12 and through a clamp jaw 13, the latter of which extends beyond the end of the turned over or looped portion 10 of the support 9 and is arranged to yieldably engage the end 14 of the polishing or waxing member. Adjustment of the clamp jaw so that it squeezes the end 14 of the polishing member between itself and the plate support 9, is accomplished through the medium of a wing nut 15 on the bolt 11. This construction is employed at the opposite ends of the plate support 9 and the plate support is made from spring steel so that the under surface of the polishing pad 16 engages the surface to be polished evenly throughout its length and width.

The distributor pad 16 consists of an open ended fabric sleeve 17 which may be sewn along one edge as at 18 and which is arranged to receive a malleable metal wax tube 19. This tube is made after the manner of collapsible tubes but is closed as at 20 at its opposite ends and is provided through its longitudinal center on its lower face with an elongated slot 21 through which exudes wax 22 or other polishing material. This wax is of the proper consistency so that it works its way through the lower side of the fabric sleeve 17 and thoroughly waxes the surface along which the implement moves. It is evident, too, that in combination with the spring support 9, any unevenness in the tube 19 is taken up so that a flat surface is presented at the bottom of the implement.

As the implement is used, the wax 22 passes out through the opening 21 and may be evenly spread over the surface to be polished. When the wax has all been used, the wing nuts 15 are loosened with the result that the clamp jaw 13 permits the distributor pad 16 to be removed and thereafter the empty tube 19 may be slid out of either end of the sleeve 17 and if desired, the sleeve may be reversed before the insertion of another filled tube 17 so that the unused or upper

surface of the sleeve 17 in the first instance, may be faced downwardly in the use of the second tube of material, thus saving the expense of a sleeve with each new tube of material. Also, the tube is of such a length that when the ends of the sleeve 17 are held between the clamp plate and the support, they may also project into the held end of the sleeve and be securely held by the clamp plate so that movement of the tube 19 relatively to the sleeve is prevented.

When the wax exudes through the elongated slot 21, it will spread in opposite directions so that the entire surface of the sleeve 17 is impregnated.

When the polishing or waxing instrument is not in use, it may be desired to cover the polishing surface thereof so that the wax will not harden and so that dust will not accumulate on the polishing surface and in order to accomplish this, I have provided pins 23 at the corners of the backing or base member 5 and these pins 23, are arranged to pass through suitable openings provided in the corners of a piece of felt or other fabric 24 which is passed under the polishing surface and constitutes a dust cover, as illustrated in Figure 3. In this figure, one end 25 or one side of the dust cover has been removed from the pin 23 and the entire cover may subsequently be taken from around the polishing surface.

In the modified form of my invention as illustrated in Figures 6 to 10 inclusive, a presser head 26 is employed which may be of wood or any other suitable material provided at one side with the clips 27 whose depending portions 28 are arranged to engage the end 29 of a distributor shoe 30. This shoe is secured to the under side of the head 26 through the medium of a plate of malleable metal 40, whose overturned edge portions form flanges 41 and 42, as illustrated in Fig. 9, arranged to fit about the side edges of a tube 43 in which is contained a polishing material, this tube being of the same construction as the one illustrated in Fig. 4 and being provided with a longitudinally extending slot 31 through which may exude the polishing material 32. Both ends of the tube are closed as at 33 and when the tube is placed against the plate 40 with its slotted side down the flanges 41 and 42 of said plate are bent inwardly to hold the tube 43 in position after which the end 34 of the distributor shoe 30 is folded in over the tube and then the end 29 of the distributor 30 is drawn around so that it may be positioned under the clips 27, as illustrated in Fig. 8. The clips 27 permit adjustment of the shoe 30 so that the tube is securely covered and the end 29 of the shoe 30 may be drawn up under the clips, as the contents of the tube are used and the tube becomes thinner.

The plate 40 is held in position through the medium of the tacks 35 and it is quite evident that a new distributor shoe 30 may be secured by simply removing the plate 40, attaching a new distributor and placing the plate 40 to hold the distributor in place.

It is evident, therefore that I have provided a polishing implement which makes use of a refilling unit, that is, a tube having a longitudinal slot therein through which is dispensed the wax which impregnates a suitable pad to polish a surface, the holder being usable without replacement which provides a saving in the purchase of equipment.

It is evident, also, that the wax is used as it exudes through the shoe and need not be touched with the hands, with the result that the implement provides for a clean waxing operation and when put out of the way, may be covered with the auxiliary cover fabric so that the waxing surface of the implement is preserved for further use, in a clean state.

It is evident, also, that I have provided an implement for hand use which is easy to operate and in which the wax package is readily replaceable, at the same time providing a smooth bottom surface which is effective in cleaning and waxing and polishing furniture, tables, and other surfaces.

It will be understood that where the word polish is used in this application and in the claims thereif, that it is used as a generic term covering any material for producing a protective coating on a surface to be protected, and having a consistency such as to require a certain amount of work in order to be spread over a surface. It is to be noted also that this invention relates to the spreading of a film of polish on a surface.

While I have illustrated and described my invention with some degree of particularity, I realize that in practice various alterations therein may be made without departing from the spirit of the invention or the scope of the appended claims.

What I claim is:—

1. In a device for spreading surfacing material, comprising a collapsible elongated flexible container of liquid impervious flexible material, an arched flexible member the ends of which are attached to the ends of said container, whereby pressure against the central region of of said member will impose longitudinal tension against the container, resulting in compression against the material therein.

2. In a device for spreading surfacing material, comprising a collapsible elongated flexible container of liquid imperivous flexible material, an arched flexible member the ends of which are attached to the ends of said condenser, whereby pressure against the central region of said member will impose longitudinal tension against the container, resulting in compression against the material therein and a handle attached to the central region of said member.

3. In a device for spreading surfacing material, comprising a collapsible elongated flexible container of liquid impervious flexible material, an arched flexible member the ends of which are provided with clamp devices securing the ends of said container, whereby pressure against the central region of said member will impose longitudinal tension against the container, resulting in compression against the material therein.

JOHN KAUFMANN. [L. S.]