Feb. 24, 1931. F. G. WRIGHT 1,794,048

FLOOR WAXER

Filed Feb. 28, 1927

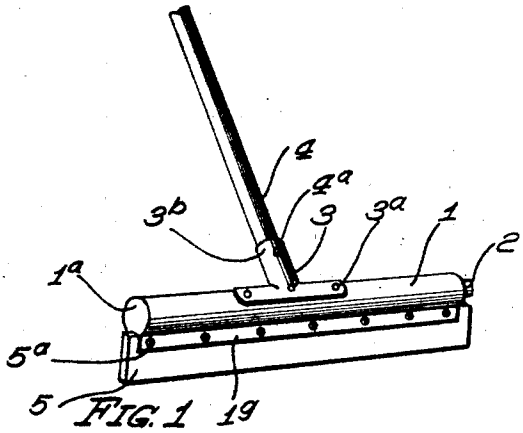


FIG. 1

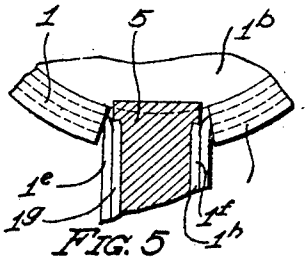


FIG. 5

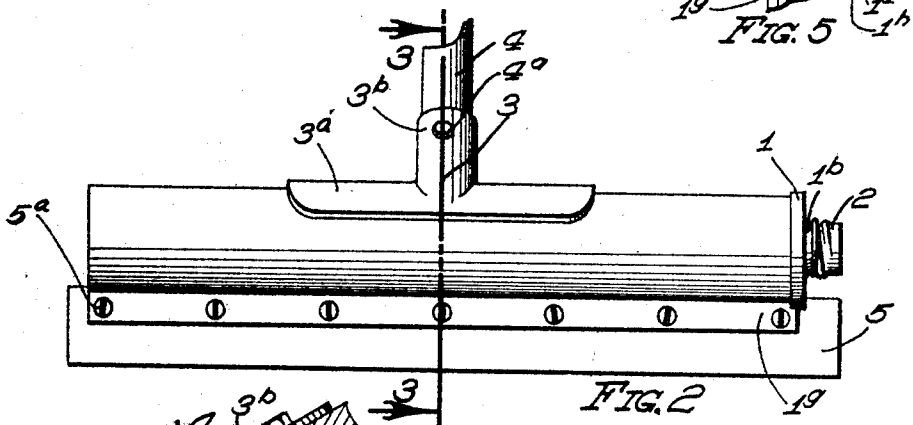


FIG. 2

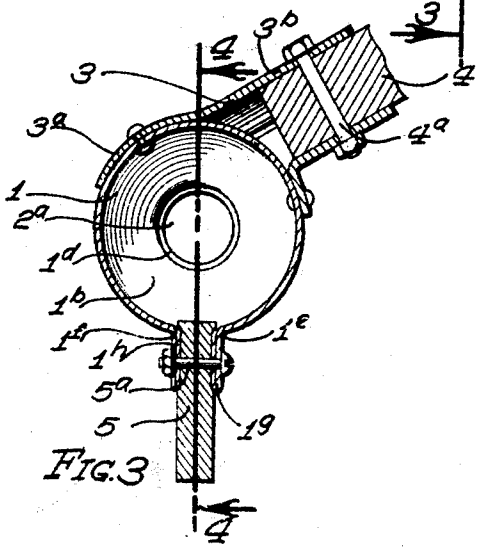


FIG. 3

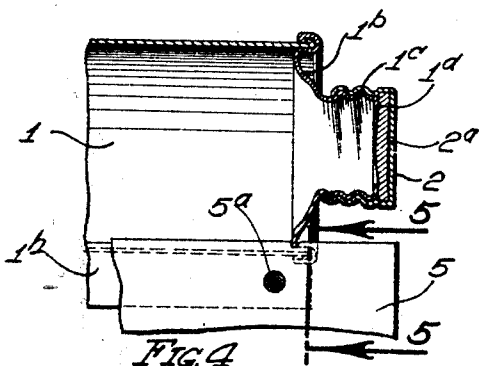


FIG. 4

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UNITED STATES PATENT OFFICE

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FLOOR WAXER

Application filed February 28, 1927. Serial No. 171,537.

My invention relates to floor waxers, more particularly to a device for distributing wax on floors for polishing purposes, and the objects of my invention are: first, to provide a device for distributing wax on floors, which may be operated by persons in a standing or walking posture; second, to provide a device of this class which operates by letting the liquid floor wax seep through a piece of felt which distributes it upon the floor surface; third, to provide a device of this class in which the felt pad becomes saturated by means of capillary attraction, thereby providing for even thin distribution of liquid wax upon the floor; fourth, to provide a device of this class which is not operated by reason of varying pressures applied thereon, and fifth, to provide a device of this class which is very simple and economical of construction, durable, efficient in its action, and which will not readily deteriorate or get out of order.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions, as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this application, in which:

Figure 1 is a perspective view of my floor waxing device, shown in operative position on a floor; Fig. 2 is an enlarged front elevational view thereof; Fig. 3 is a still further enlarged sectional view through 3—3 of Fig. 2; Fig. 4 is a fragmentary sectional view through 4—4 of Fig. 3, and Fig. 5 is a still further enlarged fragmentary sectional view though 5—5 of Fig. 4.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The liquid receptacle 1, cap 2, handle socket 3, handle member 4, and felt pad 5, constitute the principal parts and portions of my floor waxer.

The liquid receptacle 1 is a relatively long, hollow, cylindrical member provided with a closed head 1*a* and with a funnel-shaped head 1*b* at its opposite end. This funnel-shaped head portion 1*b* is provided with a reduced threaded portion 1*c* upon which is mounted a screw cap 2, which is provided with a gasket 2*a* to provide a tight fit between said cap 2 and the head 1*b*, it being noted that there is provided on the portion 1*c* an inwardly extending flange portion 1*d*, which provides a relatively wide portion for the outer edge of the gasket 2*a* to rest upon. Secured on the normally upper side of the liquid receptacle 1 at the middle thereof is a socket member 3, which is provided with outwardly extending lug members 3*a*, which are riveted to said receptacle 1, and is also provided with a socket portion 3*b*, in which is adapted to fit the handle member 4, which is preferably an ordinary wooden handle, which is secured thereto by means of a bolt 4*a*, it being noted that the socket portion 3*b* is positioned relative to the receptacle so that a person may operate the device in a walking or standing posture. In the normally lower side of the liquid receptacle 1 is provided a slot or groove, extending the full length thereof, and the metal at the sides is provided with downwardly extending portions 1*e* and 1*f* in spaced relation to each other, and these portions are preferably bent back against themselves and extend upwardly, forming portions 1*g* and 1*h*, thus providing reinforcing for the side members 1*e* and 1*f*. Interposed between the members 1*e* and 1*f* is a felt pad 5, which is adapted to extend downwardly some distance and form a slightly flexible pad for distributing the liquid wax upon the floor. This pad 5 is pressed upwardly slightly into the receptacle so that the pad is depressed at the lower edges of the members 1*a* and 1*b*, forming a liquid-tight fit at the ends, and this pad is secured in position by means of a plurality of bolts 5*a*, thus rigidly securing the felt pad 5 in position where it serves as a receiver, conductor and distributor of the liquid wax.

The operation of my floor waxer is as follows:

The member 1 is turned up in a vertical position so that the cap 2 is at the upper end, and liquid floor wax is poured into the open end after removing the cap. It is preferred

to slightly dilute the floor wax with turpentine or other suitable thinning liquid, and after placing the cap in position tightly, the device is ready for operation. The liquid wax is absorbed by the felt pad 5. Then the liquid wax is spread over the surface of the floor by moving the pad over the floor surface, the liquid wax seeping out during the operation.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular contruction, combination and arrangement, but desire to include in the scope of my invention, the construction, combination and arrangement substantially as set forth in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a floor waxer, a hollow receptacle with a filler opening and provided with an open slot along one side, flanges extending straight outwardly at opposite sides of said slot, and a single, one-piece felt pad clamped between said flanges and extending into said opening and through said slot and past the opposite ends of said receptacle for sealing the ends of the receptacle at the ends of the slot.

2. In a floor waxer, a hollow receptacle with a filler opening and provided with an open slot along one side, flanges extending straight outwardly at opposite sides of said slot, a single, one-piece felt pad clamped between said flanges and extending into said opening and through said slot and past the opposite ends of said receptacle for sealing the ends of the receptacle at the ends of the slot, and a handle secured to said receptacle on the opposite side from said slot.

3. In a floor waxer, a relatively long, cylindrical receptacle with a filling cap centrally on one end and provided with a continuous open longitudinal side its full length, a single, one-piece felt pad secured in said open side and extending inwardly into said receptacle and rigidly secured thereto and extending therefrom at the one side and both ends, and a handle secured to said receptacle on the opposite side from said open side of the middle portion thereof.

4. In a floor waxer, a relatively long, cylindrical receptacle with a filling cap on one end and provided with a continuous open longitudinal side its full length, flanges extending straight outwardly at opposite sides of said open side, and a single, one-piece felt pad clamped between said flanges and extending into said receptacle from said open side and past the ends of said receptacle forming a joint between the ends of said receptacle and said pad.

5. In a floor waxer, a relatively long, cylindrical receptacle with a filling cap on one end and provided with an open longitudinal side, double thickness flanges extending outwardly at opposite sides of said open side consisting of the side metal extending outwardly, then backwardly against itself on the inner side, a single piece felt pad clamped between said flanges and extending into said receptacle from said open side and past the ends of said receptacle forming a joint between the ends of the said receptacle and the upper edges of said pad, and a handle secured to said receptacle at an angle therewith.

6. In a floor waxer, a relatively long, cylindrical receptacle with a filling cap on one end and provided with an open longitudinal side, double thickness flanges extending outwardly at opposite sides of said open side consisting of the side metal extending outwardly, then backwardly against itself on the inner side, a single piece felt pad clamped between said flanges and extending into said receptacle from said open side and past the ends of said receptacle forming a joint between the ends of the said receptacle and the upper edges of said pad, a socket member secured to said receptacle near the middle thereof with the socket portion on an angle thereto, and a handle mounted in said socket member.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 17th day of February, 1927.

FRANK G. WRIGHT.