

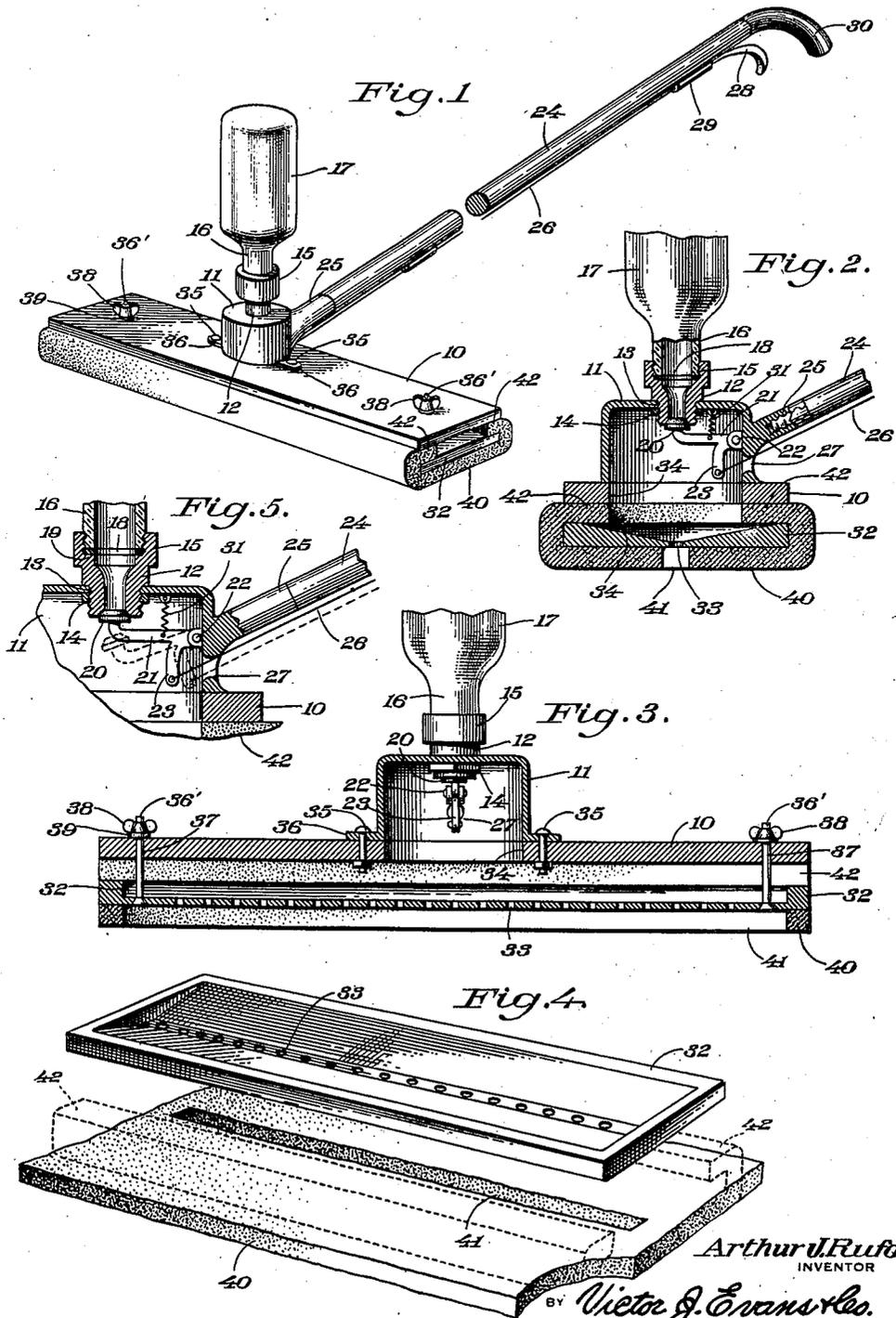
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FLOOR WAXER

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## FLOOR WAXER

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2 Claims. (Cl. 91—39)

This invention relates to a floor waxer and has for an object to provide a device of this character adapted to receive a conventional bottle of liquid wax in inverted position on the applicator head or mop, discharge of the contents of the bottle being controlled through a valve in a nipple which receives the neck of the wax bottle, the valve being operated by a trigger at the end of a long handle within convenient reach of the operator so that liquid wax may be spread in a thin film on the floor during the manipulation of the mop, with minimum labor and with economy in supplying the liquid wax without waste in the amount applied to a given area.

A further object is to provide a device of this character which will be formed of a few strong, simple and durable parts, which will be inexpensive to manufacture, and which will not easily get out of order.

With the above and other objects in view, the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming a part of this specification:

Figure 1 is a perspective view of a floor waxer constructed in accordance with the invention.

Figure 2 is a cross sectional view of the floor waxer showing the valve closed.

Figure 3 is a longitudinal sectional view of the floor waxer showing the wax discharge openings in the tray.

Figure 4 is an exploded perspective view showing the tray and the felt or wool mop body.

Figure 5 is a fragmentary perspective view of the floor waxer showing the valve dotted in open position.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, the floor waxer is shown comprising a substantially rectangular cover plate 10 having a relatively small can 11 mounted at the center thereof in inverted position. The can is provided with a nipple 12 screw threadedly engaged in an opening 13 in the top of the can and removably secured thereto by a nut 14 threaded onto the nipple and engaging the inner face of the top of the can. The nipple is provided with a uniformly enlarged neck 15 which is interiorly threaded to receive the open neck 16 of a liquid wax bottle 17. A gasket 18 is disposed

between the neck of the bottle and an internal shoulder 19 formed in the neck of the nipple.

A swinging valve 20 controls discharge of the contents of the wax bottle. The valve is provided with a stem 21 which is hingedly secured to the inner surface of the can by a pivot pin 22. The stem is provided with a crank 23 which extends downwardly in the can.

A relatively long handle 24 is engaged in a socket 25 carried by the can. A control wire 26 is engaged through an opening 27 in the can and is connected at the lower end to the crank 23. The upper end of the control wire is connected to an arcuate trigger 28, which is slidably mounted in a tubular guide 29 secured to the upper end of the handle. The handle is provided with an arcuate grip 30. The operator may pull the trigger by hooking one finger thereover to rock the valve 20 open. A helical spring 31 is secured to the stem of the valve and to the top of the can to close the valve when the operator releases the trigger. Below the cover plate 10 is mounted a tray 32 which is slightly V-shaped in cross section, as best shown in Figure 2. The tray is provided with a longitudinal row of openings 33 along the bottom of the V formed by the converging top surface of the tray. The row of openings is disposed directly below an opening 34 in the top plate which is substantially the same in diameter as the open bottom of the can 11, see Figure 3. The can is secured to the top plate directly over the opening 34 by bolts 35 passed through ears 36 formed on the wall of the can and through the top plate 10.

A pair of stud bolts 36 are mounted on the tray and extend through openings 37 in the cover plate. Each bolt is provided with a wing nut 38 and washer 39 to removably assemble the cover plate and tray.

A mop body 40, of felt, wool or other material, is disposed on the bottom of the tray and is provided with a longitudinal slot 41 which registers with the row of openings 33 and applies the liquid wax in a thin stream below the applicator head formed by the tray and mop body when the operator manipulates the handle 24 in the usual manner. The longitudinal edges of the mop body are bent over the longitudinal portions of the tray, as shown at 42 in Figure 2, and are clamped between the cover plate 10 and the tray by the stud bolts 36.

Since the operation of the device has been described as the description of the parts progressed, it is thought the invention will be fully understood without further explanation.

What is claimed is:

1. A floor waxer comprising a cover plate, a can closed at the top and open at the bottom mounted on the cover plate, a nipple in the top of the can, a swinging valve controlling the nipple, means for manually operating the valve connected to the can, a tray disposed below the cover plate of V-shape in cross section and provided with spaced outlet openings along the bottom of the V, there being an opening in the cover plate below the nipple communicating with the tray, a mop body having its longitudinal edges clamped between the tray and the cover plate, clamp bolts securing the cover plate to the tray, said nipple having a threaded upper open end adapted to receive the open end of a liquid wax container, said mop body being provided with a longitudinal slit in registration with said openings in the tray to dispense liquid wax to the underneath side of the mop body when said valve is opened.

2. A floor waxer comprising a cover plate, a can closed at the top and open at the bottom mounted on the cover plate, a nipple on the top

of the can, a valve controlling the opening in the bottom of the nipple and pivoted on the inner wall of the can, a handle inclined upwardly from the can, a trigger pivoted on the upper end of the handle, a crank arm connected to the valve, a wire connecting the trigger with the crank handle for opening the valve when the trigger is pulled, a spring connected to the valve and to the can for normally holding the valve closed, there being an opening in the cover plate registering with the open bottom of the can, a tray below the cover plate having a V-shaped upper surface provided with outlet openings at the bottom of the V, a mop body having its longitudinal edges clamped between the cover plate and the tray, the mop body being provided with a longitudinal slit communicating with said outlet openings, and clamp bolts clamping the cover plate, the mop body and the tray together as a unit, said nipple being formed to receive the discharge mouth of a liquid wax container.

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