Jan. 25, 1944. G. M. CHANDLER 2,339,767

LIQUID APPLICATOR

Filed Jan. 15, 1942 2 Sheets-Sheet 1

Fig. 1

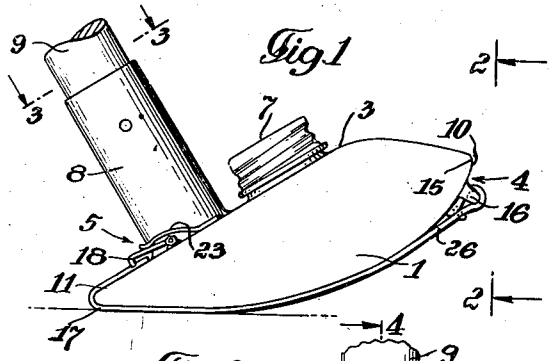


Fig. 2

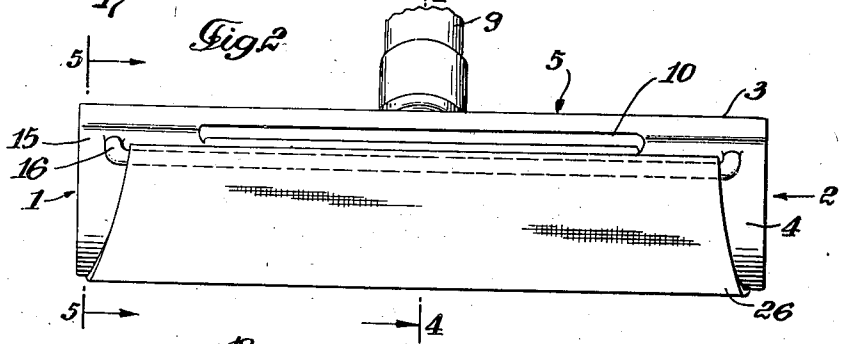


Fig. 3

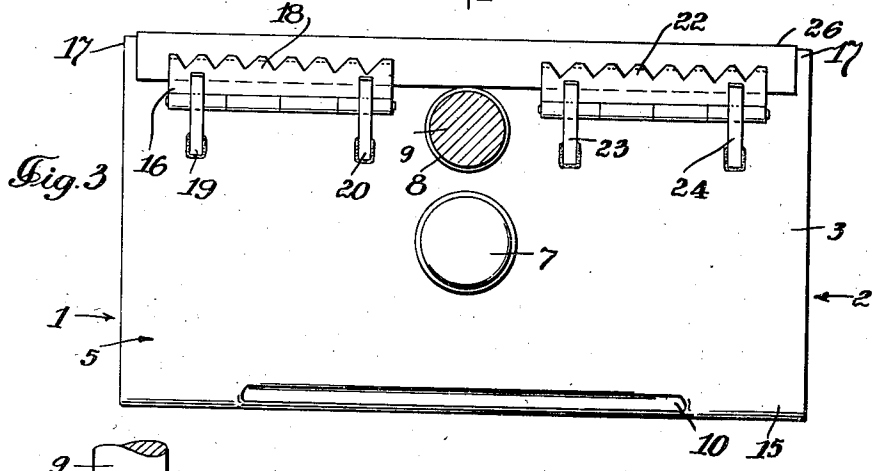


Fig. 4

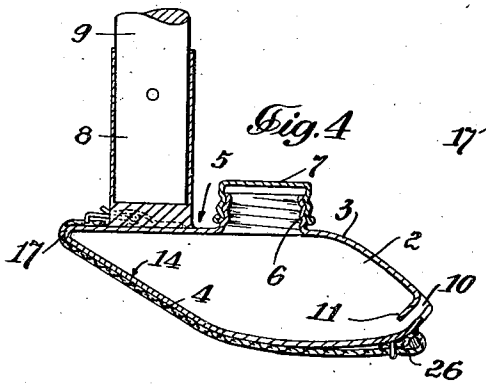
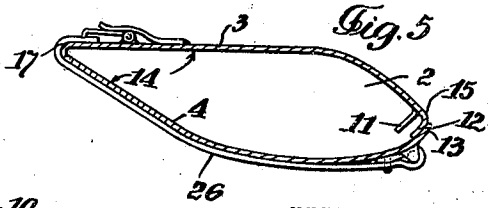


Fig. 5



INVENTOR:
Grace M. Chandler
BY Louis Bergen
ATTORNEY

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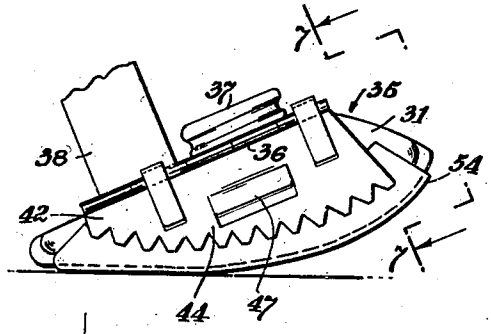


Fig. 6

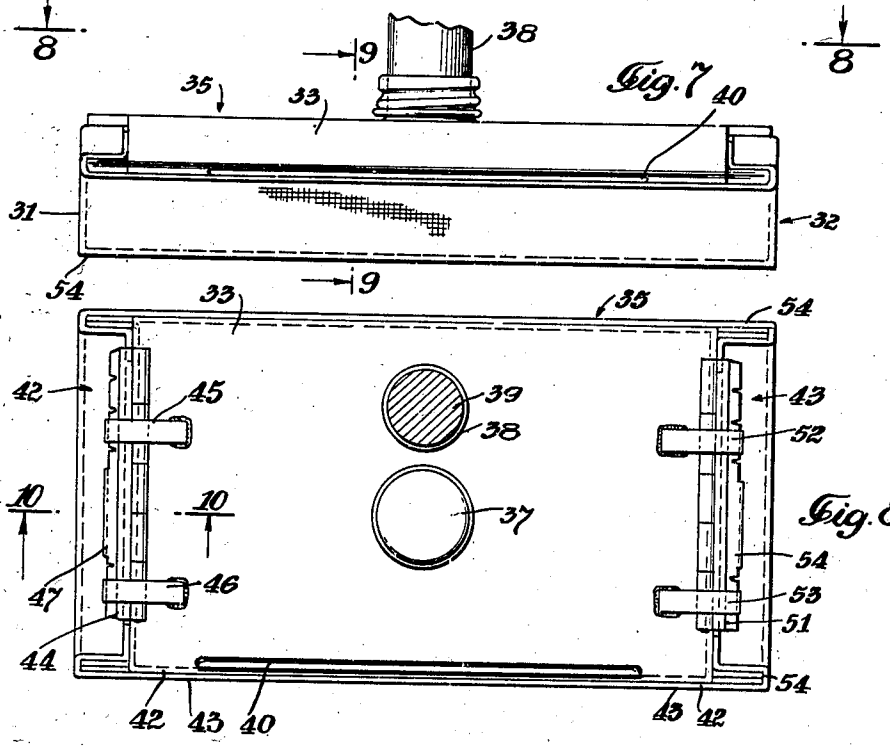


Fig. 7

Fig. 8

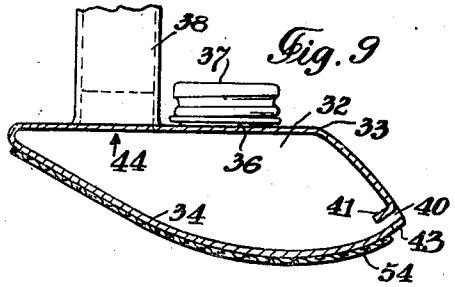


Fig. 9

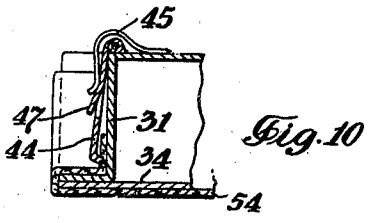


Fig. 10

INVENTOR:
Grace M. Chandler
BY
ATTORNEY.

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UNITED STATES PATENT OFFICE

2,339,767

LIQUID APPLICATOR

Grace M. Chandler, Brooklyn, N. Y.

Application January 15, 1942, Serial No. 426,815

9 Claims. (Cl. 91—25)

The invention will be fully understood from the following description read in conjunction with the drawings in which:

Fig. 1 is a side view of one embodiment of my invention;

Fig. 2 is a view of the construction shown in Fig. 1 on the plane indicated by 2—2;

Fig. 3 is a view of the construction shown in Fig. 1 on the plane indicated by 3—3;

Fig. 4 is a section through the construction shown in Fig. 2 on the plane indicated by 4—4;

Fig. 5 is a section through the construction shown in Fig. 2 on the plane indicated by 5—5;

Fig. 6 is a side view of an alternative embodiment of my invention;

Fig. 7 is a view of the construction shown in Fig. 6 on the plane indicated by 7—7;

Fig. 8 is a view of the construction shown in Fig. 7 on the plane indicated by 8—8;

Fig. 9 is a section through the construction shown in Fig. 7 on the plane indicated by 9—9; and

Fig. 10 is a section through the construction shown in Fig. 8 on the plane indicated by 10—10.

Referring to Figs. 1–5, inclusive, the ends 1 and 2 together with top 3 and dished portion 4 constitute a vessel 5 for holding the liquid to be applied. This may, for example, be oil or wax in solution in a suitable solvent or emulsified in a fluid vehicle, or may be any suitable furniture or floor polishing or conditioning liquid. Top 3 carries fill hole 6 (Fig. 4) covered by removable cap 7 and socket 8 in which fits handle 9 by which the applicator may be operated. Vessel 5 is provided with spill-over slot 10 adjacent one end of top 3 (Fig. 3) and also with the baffle 11 (Fig. 4) running parallel to the slot. Beyond the ends of the slot, the top 3 is bent over, the bent portion being indicated by 12 (Fig. 5) to contact the upper edge 13 of the dished portion 4 to which it is soldered or otherwise sealed.

As shown in Fig. 5, the baffle 11, top 3 and dished portion 4 may be formed of a single sheet 14 of thin metal, such as tinned iron. The ends 1 and 2 are flush with the outside edges of this sheet and soldered or similarly sealed thereto.

At the front edge 15 (Fig. 2) and adjacent spill-over slot 10, there is mounted the bar 16 longitudinal to the slot. The cloth or similar material, by which the liquid is applied or spread and/or rubbed, and by which the wax is rubbed or polished after the carrier liquid has evaporated, is looped over this bar, the free ends being carried over the rear edge 17. At one end of the top 3 is mounted the toothed clamp 18 urged downwardly against top 3 by springs 19 and 20. At the other end of top 3 is mounted toothed clamp 22 urged downwardly against top 3 by springs 23 and 24. In order to secure the cloth or other rubbing material 26 in position, the free ends of the cloth which have been looped over bar 16, are drawn taut over the edge 17. One clamp is lifted and the free ends of the cloth are drawn beneath the clamp whereupon the clamp is released. This operation is then repeated with the other clamp.

Referring to Fig. 6 et seq. and to the alternative embodiment of my invention, the ends 31 and 32, together with top 33 and dished portion 34, constitute vessel 35 for holding the wax to be applied, in solution in a suitable solvent and/or emulsified in a fluid vehicle. Top 33 carries fill hole 36 (Fig. 9) covered by removable cap 37 and socket 38 in which fits handle 39 by which the applicator may be operated. The vessel 35 is provided with spill-over slot 40 adjacent one edge of top 33 (Fig. 8) and also with inwardly projecting baffle 41 (Fig. 9) running the length of the slot. Beyond the ends of the slot, the top 33 is bent over, this portion being indicated by numeral 42 (Fig. 8) to contact upper edge 43 of dished portion 34 (similarly to the corresponding joint shown in Fig. 5) to which it is soldered or similarly sealed. As shown in Fig. 9, baffle 41, top 33 and dished portion 34 may be formed of a single sheet 44 of thin metal. Ends 31 and 32 of the vessel are flush with the outside edges of the top 33 but the dished portion 34 is carried out beyond the ends 31 and 32 to form recesses 42 and 43 (Fig. 8). In recess 42 is located toothed clamp 44 urged against end 31 by springs 45 and 46 but movable away from end 31 by tab 47. In recess 43 is located clamp 51 urged against end 32 by springs 52 and 53 but movable away from end 32 by tab 54. In order to secure the cloth or other rubbing material 54, in position, clamp 44 is moved away from end 31 and one end of the cloth is placed between the clamp and the end 31, whereupon the clamp is released to secure the cloth. The free end of the cloth is then drawn taut and pushed into the other recess 43, clamp 51 being moved away from end 32 to permit the free end of the cloth to be tucked under the same. Clamp 51 is then released, whereupon the cloth is held taut and snug against dished portion, 34.

In using either embodiment of my invention the reservoir is charged with the liquid to be applied which may be oil or wax in solution or

emulsified as aforesaid. Whenever it is desired to operate the applicator, the handle is moved forward and the vessel is tilted toward the spill-over slot, whereupon a quantity of the liquid is discharged. This quantity is regulable and observable by the operator. The handle is then returned to the position indicated in Figs. 1 and 6 whereupon the applicator may be used to apply the liquid and/or rub it to the desired finish.

The foregoing description is by way of illustration and not of limitation and it is therefore my intention that the invention be limited only by the appended claims or their equivalents, wherein I have endeavored to claim broadly all inherent novelty.

I claim:

1. A liquid applicator comprising a receptacle, a top for said receptacle, a handle connected to said top, said receptacle having a bottom, means for holding a cloth in snug fitting relationship to said bottom and a spill-over outlet adjacent one longitudinal edge of said top.

2. A liquid applicator according to claim 1 in which the spill-over outlet is a slot extending longitudinally along the edge of the top of said receptacle.

3. A liquid applicator comprising a receptacle, a top for said receptacle, a handle connected to said top, said receptacle having a bottom, means for holding a cloth in snug fitting relationship to said bottom, a spill-over outlet adjacent one longitudinal edge of the top of said receptacle, and a baffle within said receptacle adjacent said spill-over outlet.

4. A liquid applicator according to claim 3 in which the said bottom, top and baffle are formed of a single sheet of thin metal.

5. A liquid applicator comprising a receptacle, a top for said receptacle, a handle connected to said top, said receptacle having a bottom, means for holding a cloth in snug fitting relationship to said bottom, a spill-over outlet defining a slot extending longitudinally along the edge of the top of said receptacle, and a baffle within said receptacle extending longitudinally along said edge adjacent said spill-over outlet.

6. A liquid applicator according to claim 5 in which said bottom, top and baffle are formed of a single sheet of thin metal.

7. A liquid applicator comprising a receptacle, a top for said receptacle, a handle connected to said top, said receptacle having a bottom, a spill-over outlet adjacent one longitudinal edge of the top of said receptacle and means for holding a cloth in snug fitting relationship to said bottom including a rod extending longitudinally along one edge of said bottom adjacent and beneath said spill-over outlet and at least one cloth retaining clamp adjacent the other edge of said bottom.

8. A liquid applicator comprising a receptacle, a top for said receptacle, ends for said receptacle, a handle connected to said top, said receptacle having a bottom, a spill-over outlet adjacent one longitudinal edge of the top of said receptacle and means for holding a cloth in snug fitting relationship to said bottom including at least one cloth retaining clamp and means urging said clamp against one of said ends.

9. A liquid applicator comprising a receptacle, a top for said receptacle, ends for said receptacle, a handle connected to said top, said receptacle having a spill-over outlet adjacent one longitudinal edge of the top of said receptacle bottom projecting outwardly beyond at least one of said ends and means for holding a cloth in snug fitting relationship to said bottom including a cloth retaining clamp and means urging said clamp against the end of said receptacle beyond which the said bottom projects outwardly.

GRACE M. CHANDLER.