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CONTAINER FOR LIQUID PAINTS

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4 Claims. (Cl. 221-60)

My invention relates to containers such as those used for holding liquid creams and paints.

The object of my invention is to provide a container for holding liquid paint or stain, and which is filled with a selected liquid and sealed permanently for sale as a package.

A further object is to provide such a container adapted for use in a machine constructed to hold it in a definite position, and to puncture the lower end of the container to permit the liquid therein to flow therefrom to the work.

A further object is to provide a package comprising a container of novel form and made of easily puncturable and deformable material, and having co-acting means whereby the container will fit corresponding parts of the machine and may be held in interlocked relation therewith; the object being to prevent a container of different form from being used as a substitute in the machine.

The present package is intended for use with a machine for ornamenting leather and fabrics, such as described in my co-pending application Serial No. 178,980, filed December 9th, 1937.

The colored liquid material used in ornamenting leather and fabric by the use of said machine is made especially for the purpose and has qualities such as proper fluidity, waterproofing, and color ingredients necessary for its proper application and wear, and therefore the substitution of inferior materials offered by competitors, if used in my machines, would seriously injure my business and that of my customers.

Referring to the drawing which forms a part of these specifications:

Fig. 1 is a perspective view of a portion of a machine used for ornamenting leather, etc. with one of my containers therein.

Fig. 2 is a vertical sectional view showing the container held in position in the casing of the machine in position to discharge its contents into a passage leading to the dispensing means of the machine.

Fig. 3 is a cross sectional view taken on line 3-3 of Fig. 2.

Fig. 4 is a plan view of the package illustrating the construction of the ring formed to fit in interlocked relation with the upper end of the machine casing.

10 indicates a portion of a machine used in ornamenting leather, etc., which is formed with a vertically extending cylindrical casing portion 10' having an upper outer rim 11 threaded as shown at 12 to engage a ring 13 formed with an inwardly extending flange 13'.

The upper end of the casing portion 10' is formed to provide a plurality of upwardly extending projections 14 spaced apart as illustrated in Fig. 3.

Two of said projections are located adjacent to each other on one side of the casing while the other two are spaced therefrom a considerable distance.

The inner wall 15 of the casing is formed conical, and a chisel 16 is fixed in the wall of the casing with its cutting edge 16' extending to the medial vertical line thru the casing, near its lower end as illustrated.

17 indicates a passage leading to the dispensing means.

18 indicates the new container which is made of thin lead or other suitable material such as generally used for holding tooth-paste, etc.

The upper portion of the container is cylindrical in form and is flattened at 18' to permit its top end to be folded over and sealed after the container is filled.

The lower portion of the container is conical in form and adapted to fit closely in the casing 10'.

A ring 20 may be formed integral with the wall of the container or it may be fixed thereon at the lower end of the cylindrical portion 18.

The ring 20 extends outwardly from the body portion and is formed to provide vertically extending slots 20' spaced to receive the projections 14 and thus position the container in the casing in definite predetermined relation.

It is immaterial how the slots are spaced apart as long as they correspond to the position of the projections to permit interlocking, the object being to prevent substitution of an unauthorized package for that of the package sold for use in the machine by proper authorization.

Therefore it will be understood that the conical form of the lower end of the container is a valuable feature for the reason that the usual cylindrical form of container could not extend to the lower end of the casing and contact the chisel therein.

When the container is placed in the casing the chisel therein cuts a channel 21 in the container and the liquid may then flow freely therefrom when the liquid in the passage drops below the opening in the container, as will be readily understood.

22 indicates a gasket located above the ring to prevent leakage of liquid from the casing thru the slots 20'.

The conical form of the container serves to

guide it into proper position relative to the chisel and to restrict the area, also to stiffen the lower end and prevent it from bending instead of puncturing in the act of inserting the container in the casing.

5 An indented line 23 in the wall of the container, or on a label placed thereon, is used as a visible guide to assist the user in placing the container in proper position to engage the projections on the casing, this line extending to the central extension 24, thus insuring proper registration.

15 The material of the container, as before stated, is preferably made of soft deformable material to permit it to be easily opened by the chisel, and also to permit its upper end to be collapsed in the event that the liquid in the container should clog the lower end thereof and fail to flow freely therefrom, but it will be understood that it is not necessary to make the entire receptacle of such material, the lower end only need be made of such material to permit it to be punctured in the act of placing it in the machine.

20 By the use of the present container, liquids of various colors may be sold together therewith as a package, by dealers for use with said machines, wherever they may be located, with the assurance that they will fit in the machine and that they are the proper authorized containers for use therewith.

30 Having thus described my invention I claim as new:

1. A package of the character described comprising a container of soft collapsible metal having a liquid therein and sealed at both ends, and a ring carried by the container and formed with a plurality of slots some of which are spaced a predetermined distance apart to provide means for locating the container in a predetermined position in a machine adapted to be used therewith. 5

2. The construction defined in claim 1, together with; said container having an indicia thereon to indicate one of said locations. 10

3. A package of the character described comprising a soft metal container adapted to contain a liquid and sealed permanently at both ends thereof, means carried by the container comprising a flange which extends outwardly therefrom between its ends, said flange having slots formed therein which are spaced at unequal distances apart by means of which the container may be positioned in a machine adapted for its use. 15 20

4. A container of the character described adapted to hold a liquid or paste, and comprising a body portion the lower end of which is made of soft material, and having a flange located above said lower end formed with a plurality of slots spaced apart a predetermined distance to provide means for locating the container in a predetermined position in a machine adapted to be used therewith, said container being sealed at both ends thereof. 25 30

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