Oct. 11, 1966 W. L. WEBER 3,278,007

MULTICOLOR PAINT KIT

Filed July 24, 1964

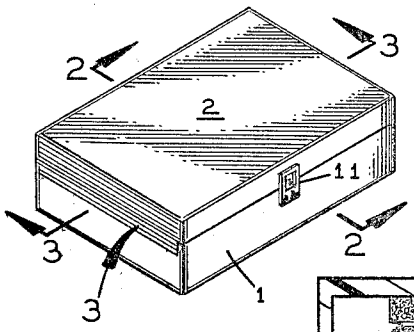


FIG. 1

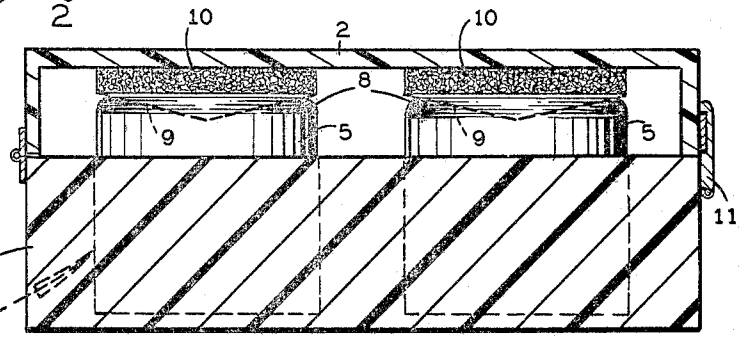


FIG. 2

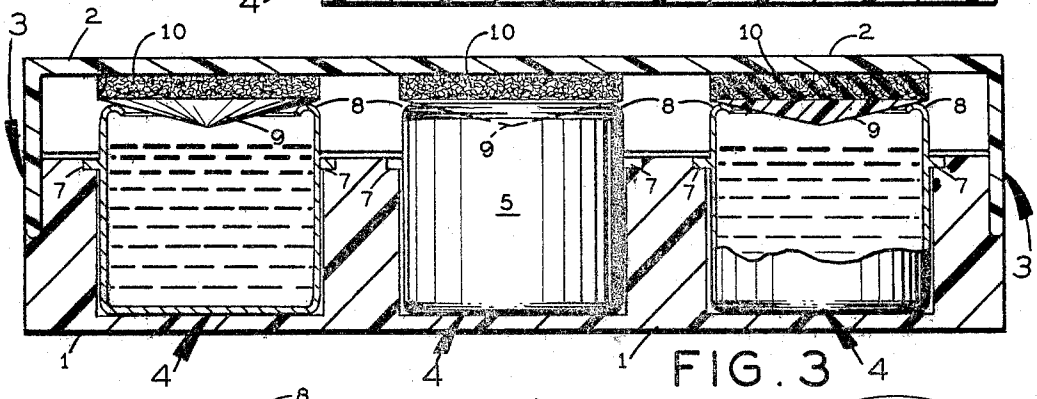


FIG. 3

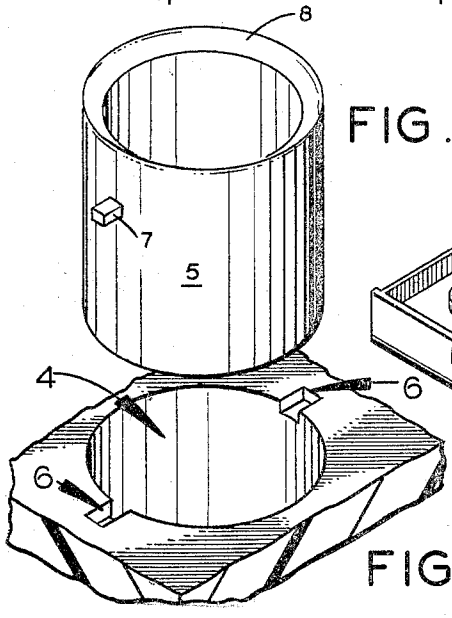


FIG. 4

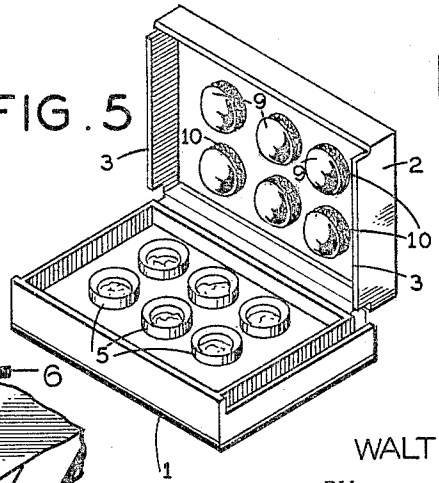


FIG. 5

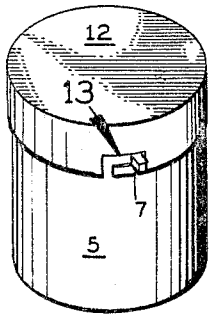


FIG. 6

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MULTICOLOR PAINT KIT

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1 Claim. (Cl. 206—1.8)

This invention relates in general to paint containers and more particularly to a kit of containers for multicolored paints, particularly adapted for juvenile instruction.

Prior paint kits usually comprised a tray with open containers which were subject to mishandling and spillage and its resultant damage and often disrupted classroom procedure.

The present invention provides a multicolor paint kit which inherently limits spillage and provides for convenient and economical manipulation for classroom painting instruction, which function is a principal object of the invention.

A further object of the invention is the provision of a casing having a tight fitting cover and provided with internal compartments for retaining a plurality of individual containers for different colored paints including the provision of a self sealing closure for the containers resiliently secured to the cover of the casing.

Another object of the invention is the provision of a paint container having an arcuate inner dependent rim for minimizing the escape of paint when the container is agitated and providing a leak-proof seal when engaged by suitable closure means.

Another object of the invention is the provision of a casing for retaining a plurality of cylindrical paint containers in separate pockets including means for preventing rotation thereof when the paint in the containers is stirred prior to use.

These and other objects and advantages in one embodiment of the invention are described and shown in the following specification and drawing, in which:

FIG. 1 is a perspective view of the multicolor paint kit in reduced scale.

FIG. 2 is an enlarged cross sectional elevation taken through section line 2—2, FIG. 1.

FIG. 3 is an enlarged cross sectional elevation taken through section line 3—3, FIG. 1.

FIG. 4 is a perspective fragmentary exploded view of a portion of the kit shown in FIG. 3.

FIG. 5 is a fragmentary view of the kit shown in FIG. 1 in changed position.

FIG. 6 is a perspective view of an element of the kit shown in FIG. 4 with a transport closure thereon.

Referring to FIG. 1, a casing having a base portion **1** is provided with a hinged cover portion **2** which portions are adapted for an interlocking junction **3**, better shown in FIG. 5. The base portion **1** is provided with a plurality of spaced cylindrical bores **4** about parallel axes as shown in FIGS. 2 and 3.

Referring to FIG. 4, a cylindrical container **5** is slidably positioned in each bore **4** in the portion **2** as shown. A pair of oppositely disposed notches **6—6** are provided at opposite sides of each cavity **4** for engagement by a pair of projections **7—7** integral with opposite sides of each container.

The upper end of each container **5** is provided with an inner depending arcuate rim **8** having uniform cross section as shown, and a cone shaped closure **9** is resiliently and coaxially positioned against the rim **8** of each container preferably by a foam rubber or sponge-like disc **10** secured by suitable adhesive to the upper side of each cone **8** and to the inner surface of the cover **2**. Thus it is apparent that the resilient properties of each disc **10** will urge each corresponding cone **9** into self-aligning sealed engagement with the rim of each mating container

5 when the cover portion **2** is latched into closed position by means of latch assembly **11**, as shown in FIG. 1.

It is to be noted that as an alternate construction a coiled compression spring may be substituted for each disc **10** for accomplishing the same purpose.

Referring to FIG. 6, when the containers **5** require replacement or transfer a hollow cap **12** having bayonet grooves **13** in opposite sides thereof is intended to include therein a cone **9** and a disc **10** for sealing the container during transport and replacement.

In operation each container is intended to retain a quantity of different colored paint and when transported from instructor to pupil and vice versa the latched cover will prevent the escape of paint from any container during transport and replacement.

In operation each container is intended to retain a quantity of different colored paint and when transported from instructor to pupil and vice versa the latched cover will prevent the escape of paint from any container by the intimate independent self-alignment of the cones **9** against each rim **8**.

When the paint kit is in use, with the cover opened, spillage from each container due to agitation or shock is minimized by the baffle action of the inner depending rim **8**.

The rim also provides an edge for dressing the paint brush and permitting surplus paint therefrom to drain into the container.

In a preferred embodiment of the kit, the base and cover portions of the kit may be conveniently and economically made of wood although other materials are suitable. The containers and the cones **9** may be molded from a wide variety of plastic materials and the inner depending rims **8** may be readily formed from straight side containers by heat forming methods.

It is apparent that the hinge retaining the cover on the box may be replaced by another latch assembly **11** and thus provide for the complete removal of the cover when the kit is in use.

It is understood that certain modifications in the construction, utilizing the features above described, are intended to come within the scope of the appended claim.

Having described my invention, I claim:

A paint kit comprising a casing and a cover therefor,

means for holding said cover in a closed position on said casing,

a cylindrical cavity in said casing having its principal axis normal to said casing and cover, a pair of recesses in said casing at the opposite edges of said cavity,

a cylindrical container having an open upper end terminating in an inner downward depending arcuate rim slidably positioned in said cavity, a pair of projections extending from opposite sides of said container, said projections being positioned within said corresponding recesses preventing rotation of said container,

a closure member for said container having a cone-shaped lower end adapted to engage said rim in a downward depending position for closing and sealing said container,

a sponge-like disc positioned between said closure member and the inside surface of said cover,

said disc being secured to the upper surface of said cone and to said inner surface of said cover,

said disc urging said closure member into sealed aligned engagement with said rim when said cover is closed and whereby said rim will prevent the escape of paint from said container when the latter is agitated.

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