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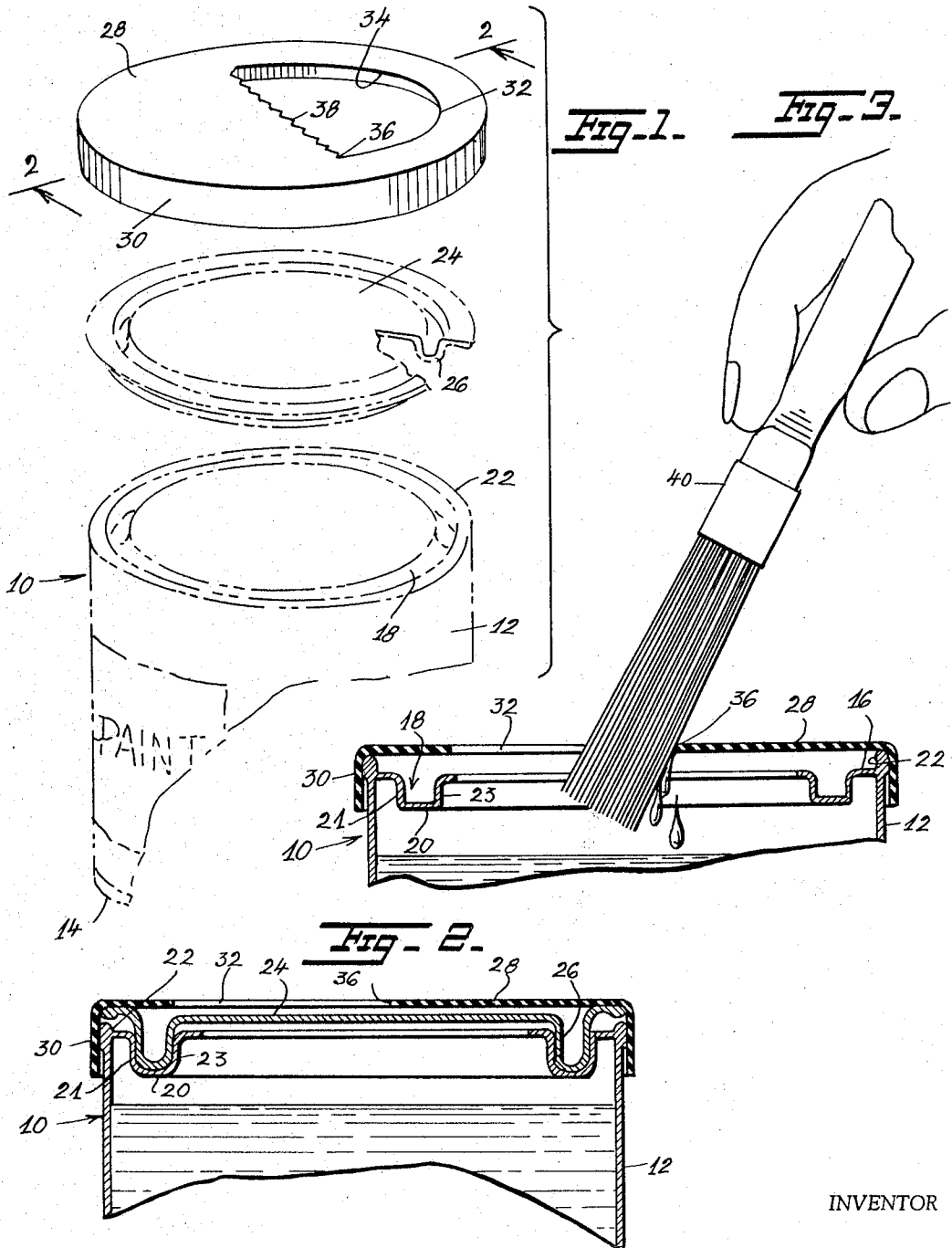
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3,298,561

COMBINED PAINT CAN COVER AND BRUSH WIPER

Filed June 4, 1965

2 Sheets-Sheet 1



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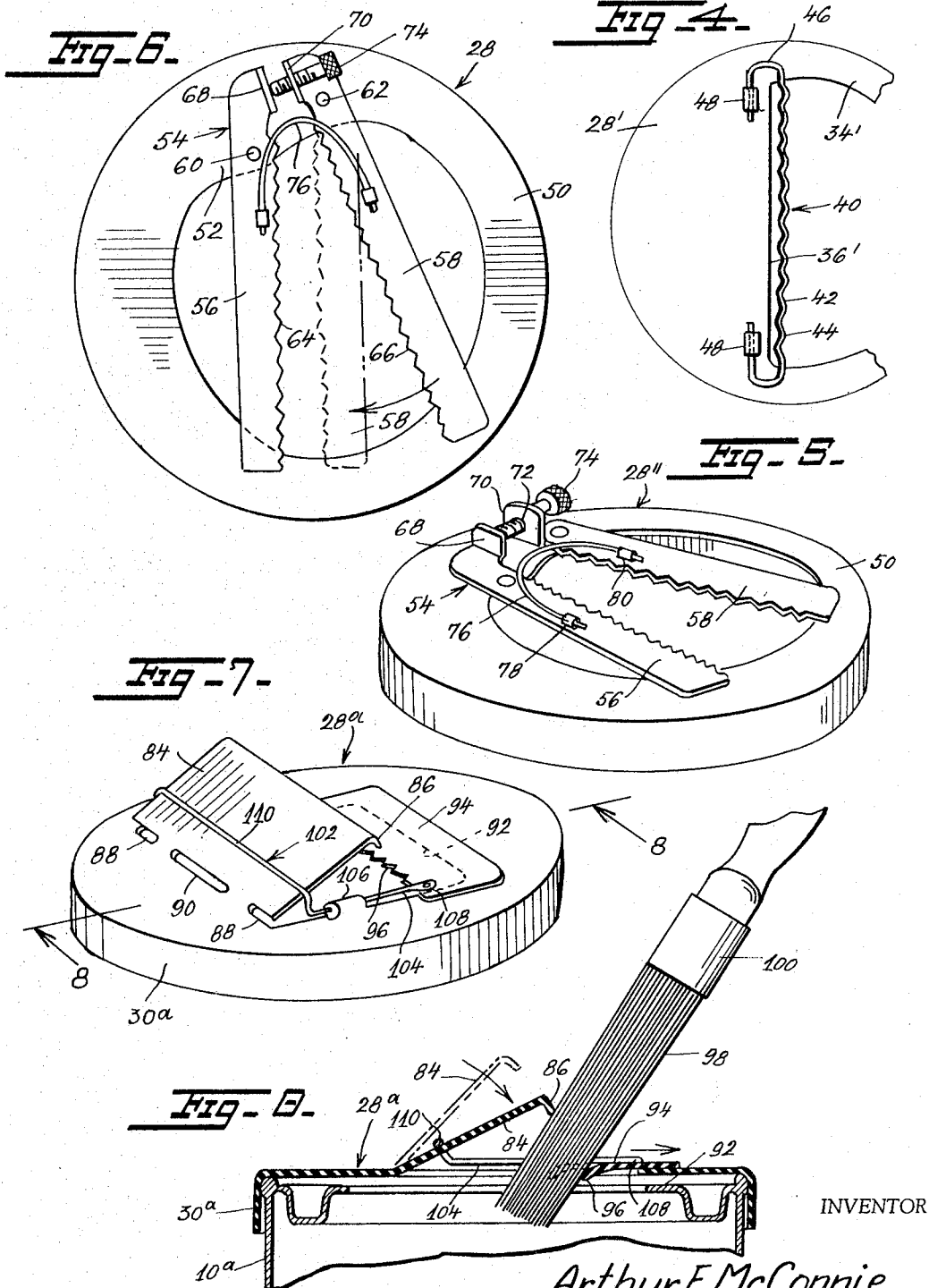
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## COMBINED PAINT CAN COVER AND BRUSH WIPER

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A primary object of the present invention is to provide a paint can with a cover having a wiping surface for aiding in removing excess paint from a brush which has been dipped into a paint can, while at the same time facilitating its removal and drainage therefrom back into the paint can.

Another object of the invention is to provide means for preventing filling of the channel on the top of paint can with paint, while at the same time provides a ledge or flange which retards slopping or spilling of paint when the can is carelessly carried from one position to another.

A further object is to provide a wiping surface having an essentially straight wiping edge which uniformly removes excess paint from the bristles of a brush which is wiped thereacross.

It is also proposed according to an embodiment of the invention to provide an attachment for a paint can that provides a wiping surface for the brush for removing excess paint from the bristles thereof.

Yet another object of the invention is to provide an attachment for a paint can that provides a wiping surface for a paint brush for removing excess paint and directing the paint into the can thereby preventing the paint running down the outside of the can or the like, the attachment being designed to give ample clearance to permit the brush to be introduced into the can or the like for acquiring paint therein.

A still further object of the invention is the provision of an attachment of this character which is simple in construction, thoroughly reliable and efficient in operation, readily and easily applied and removed, strong, durable, effective for the purposes intended and inexpensive to manufacture and install.

For further comprehension of the invention and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIGURE 1 is a disassembled perspective view of a paint can embodying one form of the invention, parts being shown broken away.

FIG. 2 is a cross sectional view through the top of the can, taken on the line 2-2 of FIG. 1, showing paint in the can.

FIG. 3 is a similar view with the closure member omitted, and showing a paint brush being wiped.

FIG. 4 is a top plan view of a fragment of a lid or cover embodying a first modified form of the invention.

FIG. 5 is a perspective view of a paint can lid or cover with a second modified form of the invention.

FIG. 6 is a top plan view thereof, parts being shown in moved position in dotted lines.

FIG. 7 is a top perspective view of a lid or cover of a paint can embodying a third modified form of the invention.

FIG. 8 is a cross-sectional view taken on the line 8-8 of FIG. 7 showing a paint brush in wiping position.

Referring now more in detail to the various views of the drawings, in FIG. 1 a paint can 10 is shown having a hollow cylindrical body with side wall 12, bottom wall 14 and being open at the top. At the top, an integral

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annular rim or flange 16 is formed around the inner periphery thereof extending inwardly. The flange is bent downwardly to form a continuous channel 18 therearound. The channel has a substantially flat base 20 and inner and outer walls 21 and 23. An upstanding flange 22 is formed integrally with the top edge of the side wall 12, the flange extending above the flange 16.

A circular closure plate 24 is provided for closing the open top of the can. The plate 24 is formed with a downwardly extending annular hollow flange 26 with a cross-sectional shape similar to the cross-sectional shape of the channel 18 of the flange 16, but of smaller dimensions to permit said flange 26 to nest in the channel 18, as shown in FIG. 2. When the plate 24 is nested in the channel 18, the opening in the top of the paint can is sealed.

In accordance with the present invention, a removable lid or cover 28 is provided for snapping over the top of the can. The lid or cover comprises a flat plate-like body with a downwardly projecting annular flange 30. A semi-circular opening 32 is formed in the plate-like body of the lid or cover, its curved edge 34 extending approximately half way around the lid. The extremities of the curved edge are connected across by a straight edge 36 formed with teeth 38. This toothed edge provides a wiping surface for a paint brush 40 as shown in FIG. 3. By pressing upon the paint brush, while wiping it on the wiping surface, excess paint will be removed and will fall into the can and the bristles will be raked by the teeth breaking up any paint that might be caked thereon. The channel 18 is protected by the solid portion of the lid or cover so that no paint can fall therein.

In assembling the closure plate 24 and lid or cover 28, the closure plate is manually pressed down into the channel 18 and when the plate is seated in the groove the lid or cover 28 is snapped over the outer periphery of the closure plate and over the upstanding flange 22 on the body of the can.

In use, the closure plate 24 is removed from its seat in the channel 18 and the lid or cover 28 snapped back into covering position as shown in FIG. 3. The cutout portion 32 in the lid now communicates with the opening in the top of the can 10 permitting the paint brush 40 to be inserted into the top of the can and wiped across the edge 36 of the lid whereupon the excess paint drops into the can as seen in FIG. 3.

In FIG. 4, a modified form of flanged lid or cover 28' of a paint can is shown having a semi-circular opening 34' therein with a straight unobstructed edge 36' connecting the ends of the extremities of the curved edge 34'. An attachment 40 in the form of an elongated wire 42 formed with corrugations 44 and bent into loops 46 at its ends is shown. The looped ends are anchored to the solid portion of the body of the lid or cover by means of short tubular bearing member 48 fastened to the top surface of the lid or cover adjacent the ends of the straight edge 36'. The corrugated body of the wire 42 extends over the opening 34', closely spaced from the straight edge 36'.

The paint brush is wiped over the corrugated body 40 of the attachment and the excess paint thereon drops into the can.

FIGS. 5 and 6 illustrate another modified form of flanged lid or cover 28'' of a paint can. The lid or cover 28'' includes an annular body 50 having an enlargement 52 along its inner periphery. An attachment device 54 is fastened to the enlargement 52 and spans the opening in the body. This attachment device comprises a pair of elongated rectangular flat arms 56 and 58. The arms are attached to the enlargement 52 at one end thereof, the arm 56 being fixedly fastened by a rivet 60 and the arms

58 being pivotally connected by means of a pivot pin 62. One long edge of the arm 56 is formed with teeth 64 and the opposed long edge of arm 58 is also formed with teeth 66. The attached end of arm 56 is formed with an upstanding plate-like lug 68 along its toothed edge, while the arm 58 is formed with a similar plate-like lug 70 along its toothed edge opposite the lug 68. The lug 70 is formed with a threaded hole 72 to receive a set screw 74 adapted to engage the lug 68 and adjust the distance between the lugs. An arcuate shaped spring leaf 76 has one end anchored by means of a tubular bearing 80 on the top surface of arm 56 and has its other end anchored by means of a tubular bearing 80 on the top surface of arm 58 as viewed in FIG. 6, the spring leaf spanning the space between the arm. The bottom free end of the arm 58 is normally positioned remote from the bottom end of arm 56 as seen in FIG. 6.

When the arms 56 and 58 are in normal position as shown in full lines in FIG. 6, either long toothed edge 54 or 66 serves selectively as a wiping surface for a paint brush, permitting the excess paint to fall into the can. The arm 58 may be swung toward arm 56 as shown by the arrow in FIG. 6 to the dotted line position of FIG. 6 when both long toothed edges 54 and 66 serve simultaneously as wiping surfaces and squeeze paint off of the brush into the paint can.

Still another modified form of paint can lid or cover 28a is shown in FIGS. 7 and 8. This lid or cover 26a has a flat circular body with a downwardly extending peripheral flange 30a. The body is formed with an upstruck portion 84, the free end edge of the portion 84 being bent downwardly forming a narrow flange 86. The juncture between the upstruck portion 84 and the solid body of the lid is formed with end slots 88, 88 and a central slot 90, to facilitate bending of the upstruck portion. The body of the lid is formed with a cutout portion 92 forming an elongation of the opening formed by the upstruck portion 84. A rectangular shaped metal plate 94 is suitably fastened to the top surface of the body of the lid by welding or the like. The plate 94 is formed with teeth 96 along one long edge thereof. The plate is positioned over the cutout portion 92 with its toothed edge 96 disposed inwardly toward the flanged edge 86 of the upstruck portion 84, the teeth 96 and flange 86 together with the solid portion of the body of the lid defining a slot between the plate 94 and upstruck portion 84 through which the bristles 98 of a paint brush 100 may be inserted for wiping off the excess paint thereon, both the flange and the teeth serving as wiping and squeezing surfaces whereupon the excess paint falls into the paint can 10a. A U-shaped spring wire 102 has its arm portions 104 extending through tubular bearings 106 formed integrally on the opposed edges of the opening left by the upstruck portion 84, and its ends 108 riveted to the plate. The bight portion 110 of the spring wire crosses over and engage the upstruck portion 84 centrally thereof, biasing said portion downwardly toward closed position, but permitting limited upward swinging of said upstruck portion as seen in dotted lines in FIG. 8.

While I have illustrated and described the preferred

embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claims.

What is claimed is:

1. In combination with a paint can or the like having an open top with an inwardly extending rim and a continuous channel formed in the rim and defined by inner and outer walls, a removable closure plate for closing the open top having a downwardly extending continuous hollow flange seated in said continuous channel for sealing the top of the can, a removable lid or cover snapped over the closure plate, said lid or cover having a flat body with an outstruck portion, said outstruck portion having a flange on its free end edge, said flat body having a cutout portion forming an elongated opening left by the outstruck portion, a rectangular plate over the cut out portion, said plate having teeth on its long edge facing the outstruck portion, said outstruck portion and plate defining a slot to receive a paint brush when the closure plate is removed and the lid or cover is restored and spring means for urging the outstruck portion toward the rectangular plate.

2. In combination with a paint can or the like having an open top with an inwardly extending rim and a continuous channel formed in the rim and defined by inner and outer walls, removable closure plate for closing the open top having a downwardly extending continuous hollow flange seated in said continuous channel for sealing the top of the can, a removable lid or cover snapped over the closure plate, said lid or cover having a flat body with an outstruck portion, said outstruck portion having a flange on its free end edge, said flat body having a cutout portion forming an elongated opening left by the outstruck portion, a rectangular plate over the cutout portion, said plate having teeth on its long edge facing the outstruck portion, said outstruck portion and plate defining a slot to receive a paint brush when the closure is removed and the lid or cover is restored, and a U-shaped spring connected at one end to the rectangular plate with its bight portion pressing against the outstruck portion for urging the outstruck portion toward the rectangular plate.

#### References Cited by the Examiner

##### UNITED STATES PATENTS

|           |         |                     |        |
|-----------|---------|---------------------|--------|
| 126,457   | 5/1842  | Hawson et al. ....  | 220—90 |
| 1,293,951 | 2/1919  | Shevalier .....     | 220—90 |
| 1,547,541 | 7/1925  | Wansner .....       | 220—90 |
| 1,984,170 | 12/1934 | Archbold .....      | 220—90 |
| 2,268,241 | 12/1941 | Brueckel .....      | 220—90 |
| 2,436,924 | 3/1948  | Hansen .....        | 220—90 |
| 2,903,154 | 9/1959  | Hendershot .....    | 220—90 |
| 3,133,668 | 5/1964  | Heise .....         | 220—90 |
| 3,168,962 | 2/1965  | Rawlens et al. .... | 220—90 |
| 3,223,272 | 12/1965 | Vernon .....        | 220—90 |

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