

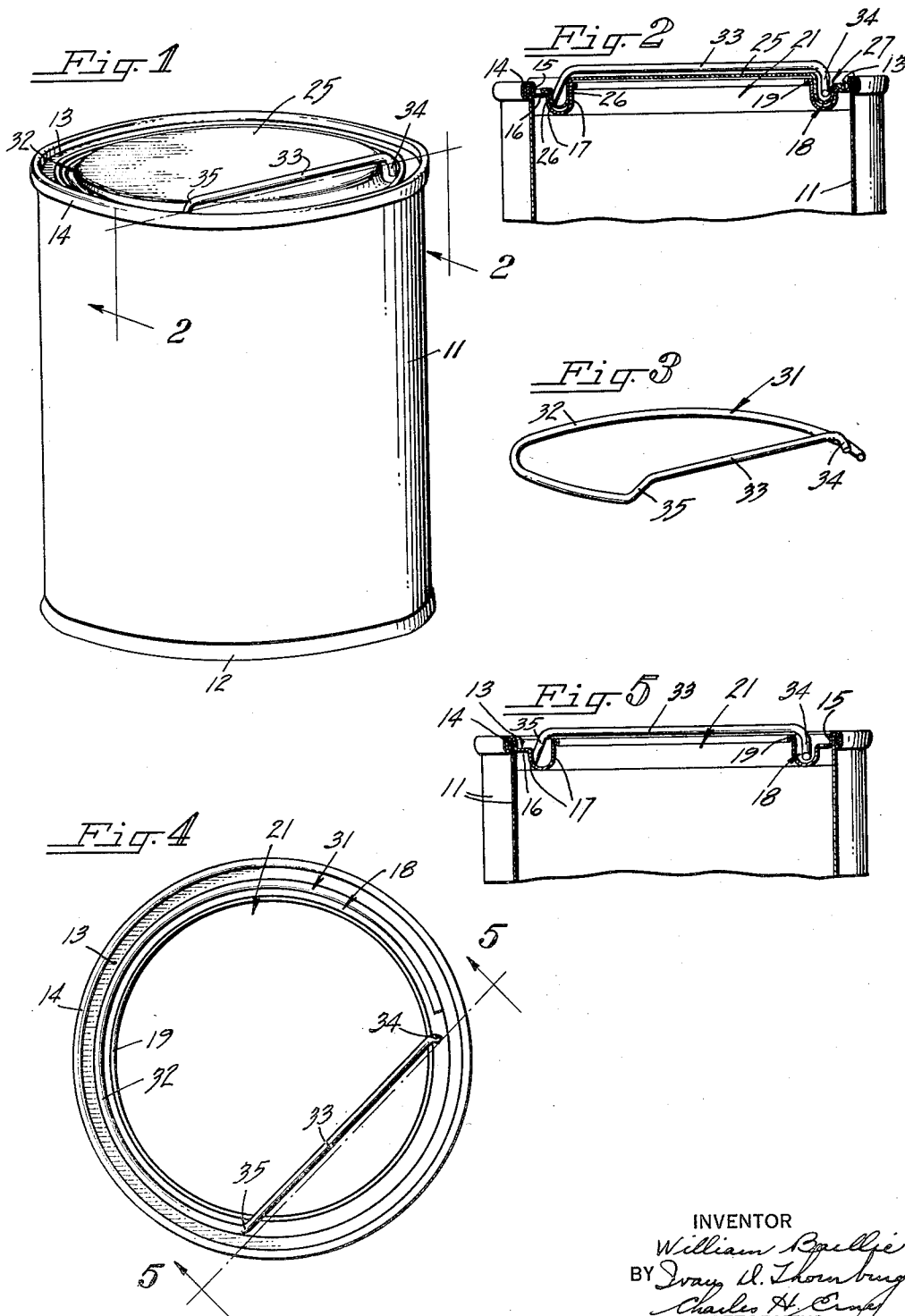
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CONTAINER

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4 Claims. (Cl. 220—90)

The present invention relates to containers for paint or the like, and has particular reference to containers or cans embodying brush wiping features.

5 An object of the present invention is the provision of cans having friction ring and plug closures and associated brush wiping elements.

A further object of the invention is the provision of a spring brush wiping member for paint 10 cans which is adapted for temporary attachment to and transportation with the friction plug of the can when it is closed, and for engagement with the opened can when its plug has been removed.

15 Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawing, discloses a preferred embodiment thereof.

20 Referring to the drawing:

Figure 1 is a perspective view of a closed paint can embodying the present invention;

Fig. 2 is a sectional view of the upper part of the closed can taken substantially along a plane 25 indicated by the lines 2—2 in Fig. 1;

Fig. 3 is a perspective view of a spring brush wiping member;

Fig. 4 is a plan view of the opened can showing the spring member in brush wiping position; 30 and

Fig. 5 is a sectional detail taken substantially along the line 5—5 in Fig. 4.

In the drawing there is disclosed a container or can comprising a can body 11 having a bottom 35 12 secured to its lower end in any suitable manner as by the usual double seam. A friction ring 13 is secured to the upper end of the body 11 in any suitable manner as by a double seam 14.

The friction ring 13 is formed with the usual 40 counter-sink 15, the vertical wall of which merges into a horizontal wall 16 which thence merges into an annular part U-shaped in cross section, having a pair of vertical friction walls 17 defining an annular groove 18, the upper edge 45 of the inner wall preferably terminating in an annular curl 19 which surrounds a discharge opening 21 for the can.

This can is closed by a friction plug 25 which is insertable into the friction ring to seal the can 50 in the usual way, the plug having spaced vertical friction walls 26 bounding an annular groove 27, the walls 26 cooperating with the friction ring walls 17 to provide the friction seal.

A spring member 31 (Fig. 3) is formed with an 55 annular section 32 and a straight section 33, the

former extending through more than a half circle. The straight section 33 is detached at one end where it terminates in a short depending section 34 and the other end is joined to one end of the annular section 32 in an inclined short connecting part 35.

When the cans are filled and are closed by their friction plugs 25, it is desirable that one spring member 31 accompany each sealed can. Accordingly the annular section 32 of the member 65 is snapped into the groove 27 of the friction plug, as illustrated in Figs. 1 and 2. The raised straight section 33 of the member at such time extends over the upper surface of the friction plug and the end section 34 sticks down into the groove, 70 the tension of the spring member being sufficient to hold it in place during handling of the can and to prevent its detachment and loss.

When the can is opened by the ultimate consumer in the usual way by removal of the friction plug 25 the spring member 31 is taken out 75 of its seat on the plug 25 and its annular section 32 is then inserted into the groove 18 of the friction ring 13 where it again snaps securely into place, its end 34 sticking down into the 80 groove. In this position its raised straight section 33 extends across the discharge opening 21 of the can, resting at such time on the top of the curled edge 19 of the ring, as illustrated in Figs. 4 and 5. 85

In this position the section 33 constitutes a rod extending across the open mouth of the can and it is in place for wiping engagement with a paint brush dipped into the contents of the 90 can in the usual manner. Excess paint is thus wiped on the rod which being directly above the liquid in the can permits the draining back of the paint as it comes from the brush in the wiping action.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the 100 invention or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A container for paint and the like, comprising a can body, a friction ring secured to the upper end of said body and formed with a friction wall, a friction plug insertable in said friction ring and having a friction wall which 105 cooperates with the said friction ring wall to

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provide a closure, and a spring member adapted to detachably snap on said friction plug when the latter is in can closing position for transportation therewith and to snap on said friction ring when said plug is removed to provide a brush wiping element for the can.

2. A container for paint and the like, comprising a can body, a friction ring secured to the upper end of said body and formed with an annular groove having a friction wall, a friction plug insertable in said friction ring and having a friction wall which cooperates with said friction ring wall to provide a closure, and a spring member having an annular section and a straight section and adapted to detachably snap on said friction plug when the latter is in can closing position for transportation therewith, the annular section of said member being insertable into said friction ring groove when said plug is removed so that the straight section of said member extends across the open upper end of the can to provide a brush wiping element.

3. A container for paint and the like, comprising a can body, a friction ring secured to the upper end of said body and formed with a pair of spaced friction walls defining an annular groove, a friction plug insertable in said friction ring and having an annular groove and a pair

of spaced friction walls, said plug being adapted to provide a closure for the can with its friction walls engaging the walls of said friction ring, and a spring member insertable within the annular groove of said friction plug for transportation therewith when the can is sealed by said plug, and also adapted for insertion into the groove of said friction ring when the can is opened to provide a brush wiping element.

4. A container for paint and the like, comprising a can body, a friction ring secured to the upper end of said body and formed with a pair of spaced friction walls defining an annular groove, a friction plug insertable in said friction ring and having an annular groove and a pair of spaced friction walls, said plug being adapted to provide a closure for the can, and a spring member having an annular section and a straight section, the said annular section being insertable within the annular groove of said friction plug for transportation therewith when the can is sealed thereby and adapted for insertion into the groove of said friction ring when the can is opened to hold the said straight section of said member over the open mouth of the can to provide a brush wiper therefor.

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