

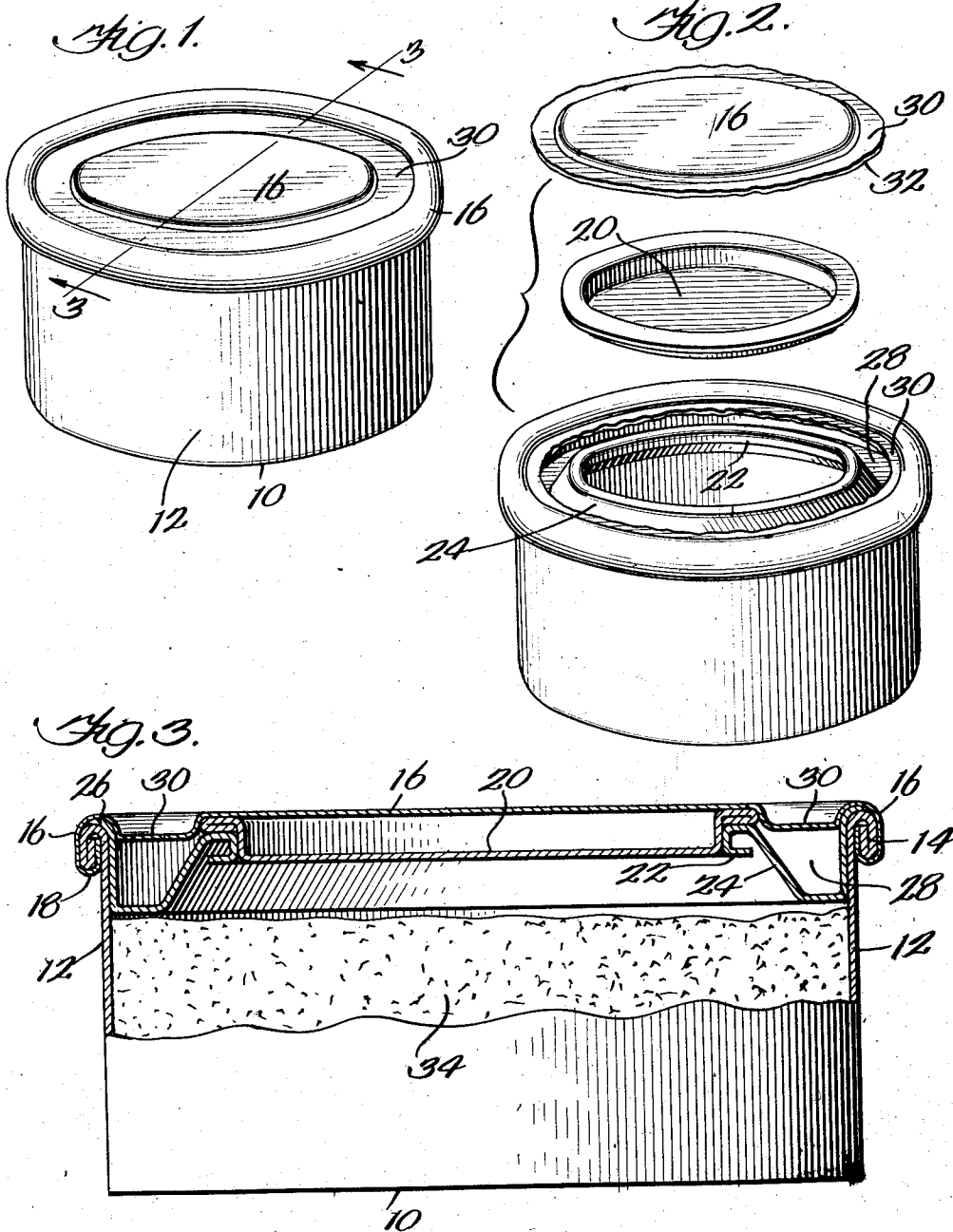
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CAN

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UNITED STATES PATENT OFFICE.

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This invention relates to open top receptacles, more particularly commercial metal cans for carrying to the ultimate purchaser materials which require tight sealing during transportation and which are consumed in varying, comparatively small quantities less than the whole, at various separate times.

The object of the invention is to provide a receptacle of this class with a permanently sealed cover and with a separate, readily openable and closable service or dispensing cover device,—the two so constructed and combined that the seal cover may be easily removed by an ordinary can opener and removed without interfering with or injuring the service cover device.

A further object of the invention is to connect the seal cover and the side walls of the receptacle or can by a tight roller seam such as is in common use in providing hermetically sealed cans and to connect the service cover device thereto without its being necessary to make a three-ply roll, viz.: the metal of each of the two covers and the metal of each of the side walls of the receptacle, it being understood in the art that it is much more difficult to roll three sheets of metal than two.

The invention consists in means for attaining the foregoing and other objects; which can be easily and cheaply made; which is satisfactory in use and is not readily liable to get out of order.

More particularly, the invention consists in numerous features and details of construction hereafter more fully set forth in the specification and claims.

Referring to the drawings in which like numerals represent the same parts throughout the several views:

Figure 1 is a perspective view of the exterior of a sealed can embodying this invention.

Figure 2 illustrates the can of Figure 1 with the severed portion of the seal cover removed and with the service cover removed.

Figure 3 is a vertical, central, sectional view taken on the line 3—3 of Figure 1.

The drawings illustrate a conventional form of can body having a bottom 10, side walls 12 of flexible material so that they can be bent in the roll 14 to permanently secure in place the seal cover 16, having its outer flexible edge 18 entering the seal 14 in obvious manner, as shown in Figure 3.

Inside the can, immediately adjacent to

the seal cover 16, is the service cover comprising,—in the particular case here illustrated a friction service cover 20 of substantially smaller diameter than the can, and clear on all sides of the walls 12 of the can, and an annular supporting ring 24. This service cover 20 is designed to frictionally, detachably fit into a central perforation 22 formed in the supporting ring 24 whose outer edge 26 engages for only a short distance between the seal cover 16 and the side wall 12 of the can at the line or point where the materials of the seal cover and the side wall begin to roll together into the roll 14, as heretofore described. The result of this construction is that, as clearly shown in Figure 3, this ring 24 is hung onto and supported by the side walls of the can and clamped in place by the seal cover without its being necessary to roll material of the ring 24 into the roll 14. The ring 24 is preferably made, as shown, with a U-shaped—in the particular case here illustrated—annular depression 28, of sufficient depth so that a conventional form of can opening knife or other tool can traverse the depressed portion 30 of seal cover 16 which is immediately adjacent to this depression 28 and sever the seal cover along the irregular surface 32 of Figure 2 so as to effect removal of the central portion of the seal cover without said knife's contacting any adjacent portion of the ring 24.

The result of this construction is that the material 34, to be delivered to the customer, can be packed in the receptacle and the cover devices can be arranged as clearly shown in Figures 1 and 3 under which circumstances, the sealed receptacle is ready for shipment.

When the purchaser or ultimate user receives the receptacle, he takes a can opener or the like, forces it through the material of the seal cover 16 at the point 30 and manipulates said can opening tool to traverse the irregular line 32 of Figure 2 to thus sever the seal cover center and permit its removal, as shown in Figure 2. After this removal of the central portion of the seal cover, the remaining parts are ready to stand on a shelf or the like until the operator desire to use the contents 34 of the can, whereupon he lifts out cover 20, as shown in Figure 2, and can thereupon reach into the can and remove contents 34 to such extent as required, replacing cover 20 after each partial removal of the contents.

From the foregoing description, it will be seen that as originally packed, as shown in Figures 1 and 3, a tightly sealed receptacle is provided suitable for safe shipment under commercial shipping conditions, and that the contents 34 of the can are sealed for as long a period as may be required by the roll seal 14; that when the receptacle reaches the ultimate user, the seal cover can be readily removed by the ordinary cutting tool at hand without injury to the service cover device, viz.: the cover 20 proper, and its supporting ring 24; and that thereafter the user can manipulate the service cover 20 as may be required for dispensation of small parts, less than all, of the contents 34 as may be desired.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, a side walled, open top receptacle, a seal cover over the open top of said receptacle, means attaching said cover to the edges of the side walls of said receptacle, a temporary service cover inside the receptacle adjacent the seal cover, and secured at its edge at the upper edge of the receptacle, said cover being so shaped that a can opening instrument may traverse and cut the seal cover without injury to the service cover.

2. In a can, a side walled open top receptacle of flexible material in which the top edges of the side walls can be rolled, a seal cover over the top of the can secured in place by rolling the tops of the side walls of the can and the outer edge of the cover together and a service cover device inside the can adjacent the seal cover secured in place by having the edge of the service cover de-

vice clamped between the seal cover and side wall of the receptacle for a short distance only at the line where they begin to roll together.

3. In a device of the class described, a container, a sealed-on top cover secured at its peripheral edges to said container and having a body portion closing the container, a secondary service cover arranged beneath said top cover, said service cover being secured at its edges to the container by the edges of the top cover whereby, upon removal of the body portion of the top cover, the service cover, remains secured to the container.

4. In a device of the class described, a container, a sealed-on top cover secured at its peripheral edges to said container and having a body portion closing the container, a secondary service cover arranged beneath said top cover, said service cover being secured at its edges to the container by the edges of the top cover, said service cover being so spaced from said top cover that the latter may be removed by a suitable cutting instrument without damaging the service cover.

5. In a device of the class described, a container, a sealed-on top cover secured across the container opening, and a second inner cover arranged across the container opening and secured in place by said top cover, said inner cover being so formed and arranged, beneath the top cover, that the latter may be removed by cutting it adjacent its peripheral edge without damaging the inner cover immediately therebeneath.

In witness whereof, I have hereunto subscribed my name.

ALBERT C. JOHNSON.