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CONTAINER

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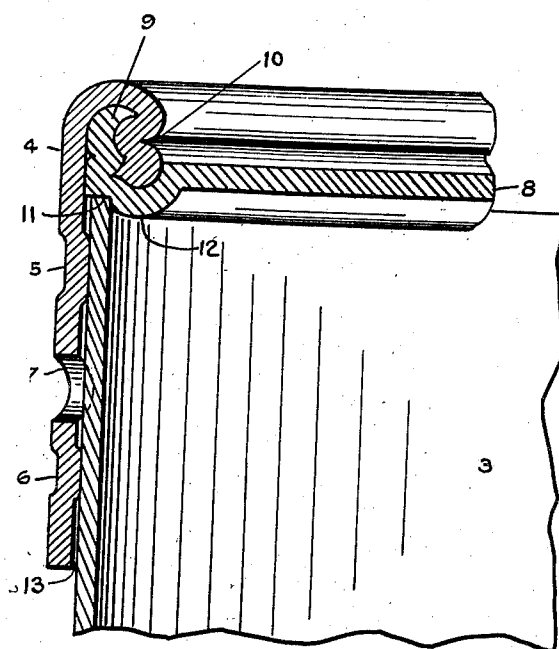


Fig-1

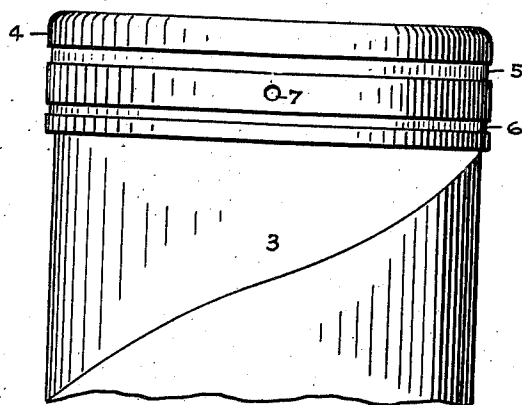


Fig-2

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## UNITED STATES PATENT OFFICE

2,144,273

## CONTAINER

Herbert E. Raymond, St. Albans, Vt.

Application October 31, 1936, Serial No. 108,503

2 Claims. (Cl. 229—5.5)

My invention relates to improvements in paper cans, and more particularly has reference, and is illustrated in the accompanying drawing in its application, to the cover of a paper can, whereby a tight seal is obtained while at the same time insuring easy application and removal of the cover.

Referring to said drawing, Fig. 1 illustrates upon an enlarged scale, a broken portion of the upper part of a can, partly in section, embodying an application of my invention, and Fig. 2, the upper part of the can in side elevation.

3 indicates the body of the can which may be spirally wound as shown, and 4 indicates the cover, the wall of which may be provided with annular depressions 5, 6, and a vent hole 7. The top of the cover comprises a disc 8, the margin 9 of which is curled within the top margin 10 of the wall of the cover as shown, and an annular recess 11 is formed in the disc between the wall 4 of the cover and the annular depression 12, providing a seating 11 for the top edge of the body of the can, while at the same time providing lines of wall contact around the can at 5 and 6, which provide three distinct lines of circumferential sealing between the cover and body of the can.

In carrying beer and other liquids, they are kept from contact with the top edge of the can wall, and leakage and unsightliness below the cover are thus eliminated, as there is no capillary action from exposed fibres, the surface of the paper being prepared or treated as usual. The two circumferential depressions 5 and 6 from outside the wall of the cover snugly engage the body of the can more tightly than would be practical if the line of contact were continuous throughout the depth of the cover wall, and the cover is thus more easily applied and removed notwithstanding the tighter fit made possible by the reduced surface area in contact. At the

same time the slightly enlarged diameter of the cover at the bottom as shown at 13 facilitates applying the same, and as air is compressed in the can during the application of the cover, it is partly vented through the hole 7, until the annular rib 5 engages the body of the can, thus minimizing internal compression, and making easier and quicker application of the cover. Upon withdrawing the cover, the suction is released as soon as the rib 5 leaves the top of the can, air entering through the hole 7, thus also facilitating and quickening the withdrawal of the cover.

Of course it will be understood that various modifications may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

I claim:

1. In a paper container, an oversized paper cover with depending skirt having inwardly projecting circumferentially extending sealing portions frictionally engaging the wall of said container, and an exposed hole through said skirt between said portions, said hole being adapted to allow outside air to automatically enter said container before said cover is completely withdrawn therefrom.

2. In a paper container, an oversized paper cover with depending skirt having inwardly projecting circumferentially extending sealing portions frictionally engaging the wall of said container, and an exposed hole through said skirt between said portions, said hole being adapted to allow outside air to automatically enter said container before said cover is completely withdrawn therefrom, said cover comprising a disc and a separate ring-like skirt, the upper edge of said skirt curled over the margin of said disc, and a depression beneath said margin into which the top of the body of said container is seated.

HERBERT E. RAYMOND.