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RECEPTACLE FOR SOAP BOXES

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The present invention relates to a receptacle for cardboard boxes, cartons or the like containing dry soap powders, chips and other granular products of similar nature, and means for dispensing the contents of such containers.

In the present day boxes, cartons and containers, a semi-circular flap is provided in one side wall of the containers, the edge of the semi-circular flap being perforated, and by pushing on the flap the perforations break, the flap moving inwardly providing a wide semi-circular opening. Due to the size of the opening there is no way of controlling the amount of the contents poured out of the container, and as a result a great amount of the powder is used where a small amount would be sufficient. Also, when trying to put soap powder in a washing machine, especially of the type having a very small opening for the introduction of the powder, the soap powder spills all around the opening in the machine, with the result a great deal gets on the outside of the machine and on the floor, causing additional work and annoyance. With the present day soap box, if allowed to stand on a wet sink, floor etc., it will get soggy and the soap powder at the bottom of the box will cake.

It is an object of the present invention to provide a receptacle for boxes, cartons and the like containing soap powder, etc., that will protect the contents of containers, containing such products.

Another object of the present invention is the provision of means on the lid of the receptacle for engagement with the flap opening of a container.

A still further object of the present invention is the provision of means for engaging the circular edge of the flap opening in a container.

A still further object of the present invention is the provision of means for controlling the dispensing of the contents of a container.

A still further object of the present invention is the provision of means for directing soap powder and the like into a spout.

A still further object of the present invention is the provision of a hinged cover having a spout and means for directing soap powder into said spout, all of integral structure.

Other objects and advantages of the present invention will appear in the following specification and the novel features of the device will be particularly pointed out in the appended claim.

Our invention is illustrated in the accompanying drawings forming a part of this application, in which:

Figure 1 is a perspective view of the receptacle and showing the hinged top, dispensing spout, and locking means for the top.

Figure 2 is a sectional view taken on line 2—2 of Figure 1 and looking in the direction of the arrows.

Figure 3 is an enlarged fragmentary sectional view of the spout and the means engaging the flap opening.

Figure 4 is an enlarged transverse sectional view taken on line 4—4 of Figure 2, the dotted line representing the edge of the flap opening.

In the drawing the numeral 10 represents the receptacle of any suitable material such as plastic or metal, and it comprises a body 11 having an open end 12 and an offset portion 13. The offset portion 13 receives the depending portion 14 of lid 15 that is hingedly connected to the end wall 16 by a pin 17. The opposite end of the lid 15 is provided with a depending lip 18 that forms a locking means for the lid to the body when the lid is closed.

Integrally formed with the depending portion 14 of the lid 15 is a dispensing means 19 that comprises a spout 20 that extends outwardly from the depending portion 14, and it is disposed at an upwardly inclined angle. The spout 20 continues inwardly in the form of a conduit 21 and it flares out into a mouth 22. The lower lip 23 of the mouth is disposed at a downwardly disposed angle and at the junction point with the conduit it is curved to conform and engage the edge of the flap opening 26 of a container 27, the edge being indicated by the dotted line in Figure 4, the mouth 22 being approximately the transverse width of a soap container flap opening.

In use of the device, the lid 15 of the receptacle 10 is lifted up and a soap box or container placed in the receptacle. The flap 25 may be pushed in manually before placing the soap box in the receptacle, or the soap box may be placed in the receptacle and the lid 15 of the receptacle closed. In this case, as the lid closes the mouth 22 will engage the flap 25 and as the lid closes the mouth will force the flap inwardly until the edge 26 of the flap opening is engaged by the lower wall of the conduit 21. The dispensing means 19 is now in position in the container, and the contents of the container ready to be used, and the amount used controlled.

Changes in size, shape, materials and rearrangement of parts may be made without departing from the scope of the invention.

What is claimed is:

A receptacle for a soap box comprising a rectangular body portion having parallel oppositely disposed sides and ends, a bottom for said body portion, an L-shaped cover hinged to one end of said body portion substantially below the top edges thereof and adapted to extend over said body portion to close said upper end, a spout formed on the outer surface of the side of said cover and spaced from said hinge and from the top of said cover, an arcuate flap opening member formed on the inner wall of the side of said cover and aligned with said spout, said flap opening member being flared inwardly and angularly from said spout at its lower portion to form a funnel, and extending at right angles to said side portion of said cover to form a flap holding member whereby when said cover is moved to closed position, said flap opening member will perforate the adjacent side wall of said soap box and impinge tightly against the arcuate perforated edge of said box, and the upper portion of said flap opening member will force said flap upwardly to hold it away from said lower funnel portion to provide unrestricted flow of soap from said receptacle through said spout.

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