April 21, 1942. J. R. OTTER 2,280,601

CONTAINER

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Fig. 1.

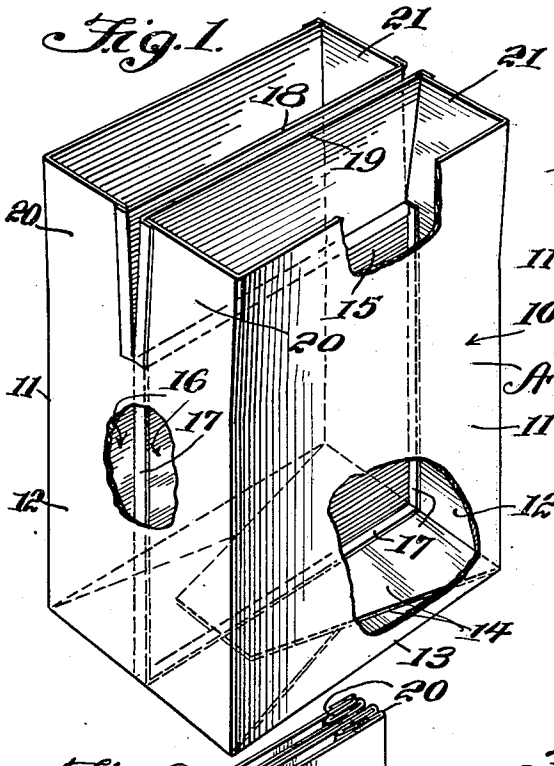


Fig. 3.

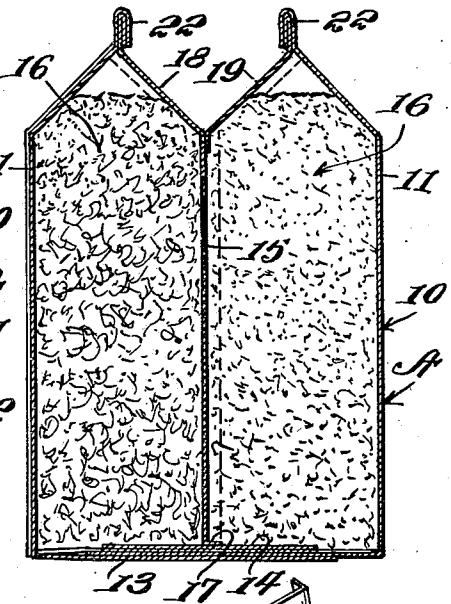


Fig. 2.

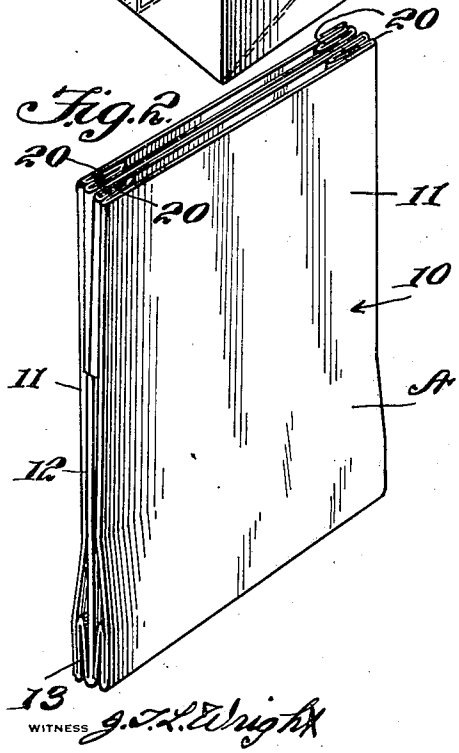
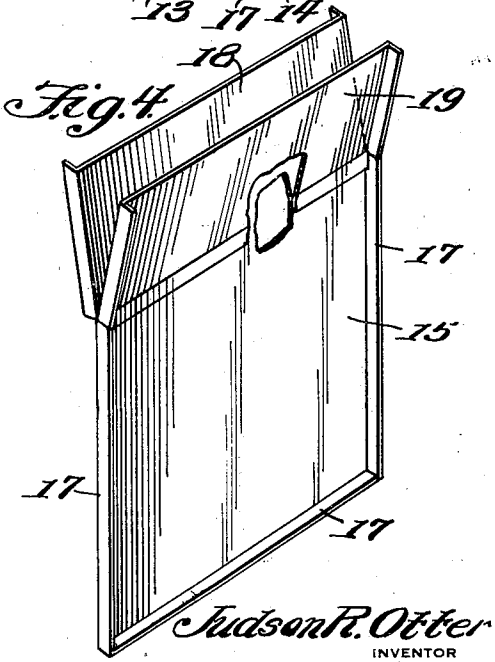


Fig. 4.



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Fig. 6.

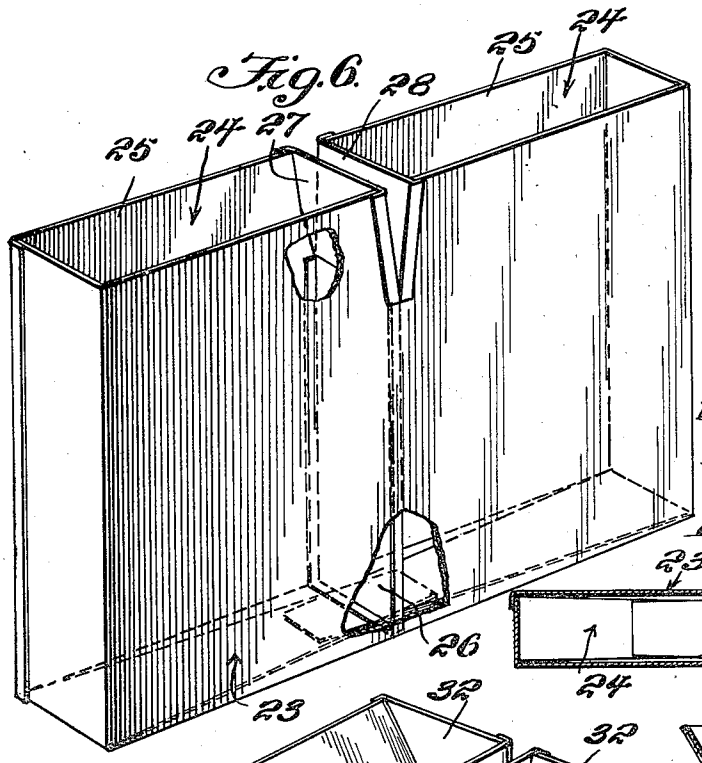


Fig. 5.

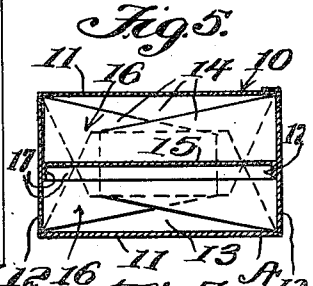


Fig. 7.

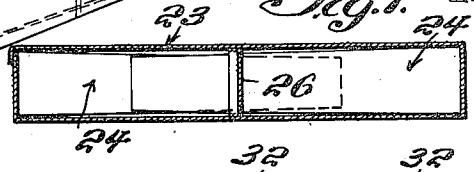


Fig. 8.

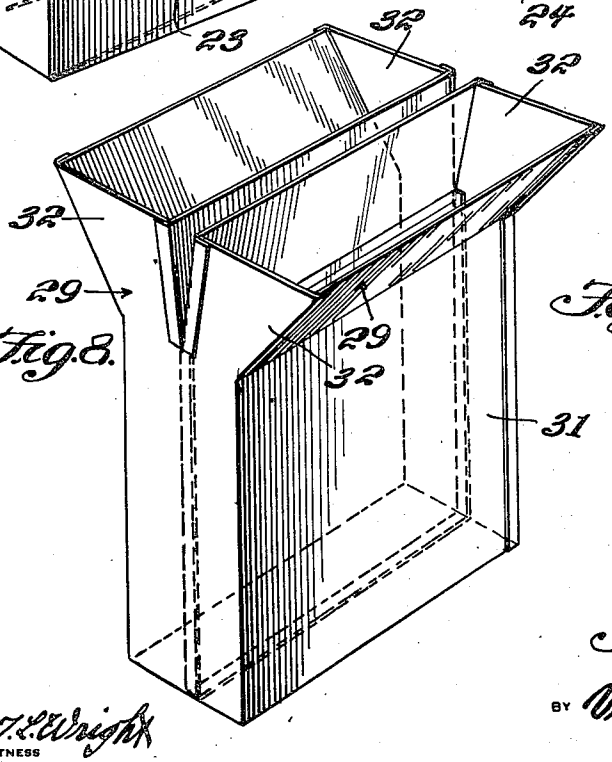
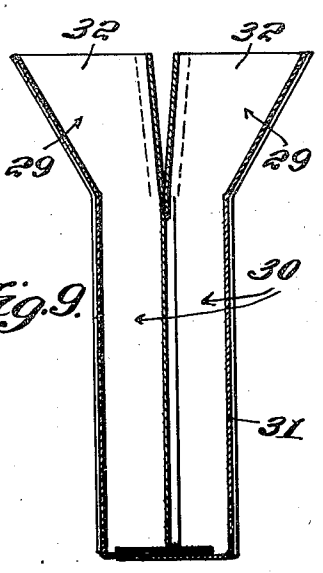


Fig. 9.



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UNITED STATES PATENT OFFICE

2,280,601

CONTAINER

Judson R. Otter, Piedmont, W. Va.

Application December 26, 1939, Serial No. 311,021

2 Claims. (Cl. 229—56)

The invention relates to a container and more especially to packaging containers.

The primary object of the invention is the provision of a container of this character wherein its body is so constructed with compartments, the arrangement of which enables commodities, substances or articles of different species separated from each other when contained therein and thus allowing the use of one species without disturbing the other or others remaining within the container.

Another object of the invention is the provision of a container of this character wherein the compartments provided therein are individually accessible so that the content of one compartment can be dispensed without disturbing the content of any of the other compartments provided in said container.

A further object of the invention is the provision of a container of this character wherein its body is of bag form and flexible for the collapsing thereof and has within separated compartments receptive of commodities including articles, comminuted material or substances having fluidity, the quantities of the same being completely separate and are individually usable without effecting others contained in all or any of the other compartments or unused quantities of commodities packaged by the container, the compartments being closed independently of each other so that the opening of one will not effect the opening of the other.

A still further object of the invention is the provision of a container of this character wherein each of the multiplicity of compartments created therein is provided with a filling and dispensing spout susceptible of being folded and sealed for the maintenance of the contents of the compartment fresh and protected from external sources, such as climatic conditions, dust and dirt and by the opening of the spout the content of the compartment common thereto can be dispensed partially or in its entirety and the content of the other compartments remaining undisturbed.

A still further object of the invention is the provision of a container of this character wherein several or more commodities can be packaged thereby and each separated from the other which is advantageous for the display, marketing and otherwise handling of merchandise and additionally assures protection thereto as well as affording convenience in the packaging and the dispensing of several or more commodities.

A still further object of the invention is the provision of a container of this character, which is simple in its construction, thoroughly reliable and effective for the purposes intended thereof, being strong, durable, convenient for use by merchandising distributors and to consumers of commodities, assuring freshness to the packaged materials, eliminating deterioration of the commodities when packaged, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawings, which disclose the preferred and modified forms of embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawings:

Figure 1 is a perspective view partially broken away of a container constructed in accordance with the invention and opened.

Figure 2 is a perspective view of the container in a collapsed condition prior to the use thereof for packaging purposes.

Figure 3 is a vertical transverse sectional view through a container extended with its compartments filled and closed.

Figure 4 is a perspective view of a part of the container, that is to say, a partition thereof.

Figure 5 is a horizontal sectional view through the container.

Figure 6 is a perspective view of a modified form of container and open.

Figure 7 is a horizontal sectional view therethrough.

Figure 8 is a perspective view of a further modification of container and open.

Figure 9 is a vertical transverse sectional view thereof.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, particularly Figures 1 to 5, inclusive, A designates generally a container constructed in accordance with the invention, comprising a flexible body 10, preferably made from tough paper although it may be made from "Cellophane" or any other material having the required strength and durability for giving maximum life thereto and also for withstanding the load of contents of such container when packaging the same. This body has side walls 11, end walls 12, a permanently closed bottom 13 and an open, closable top. The bottom 13 is permanently closed through the medium of

overlapped flaps 14, these being adhesively joined with each other in their overlapped relation one to the other and in this way the bottom 13 is materially reinforced and strengthened in that the side and end walls are single ply. The end walls 12 and the bottom 13 are suitably creased for creating fold lines so that the body 10 in its entirety can be collapsed into a flat condition, this being the normal state thereof when not in use.

Built interiorly of the body 10 is a partition or divider wall 15 for separating the interior of the body 10 into a determined number of compartments 16 non-communicative with each other for separating contents of these respective compartments from each other in the packaging thereof within the container. The partition or divider wall 15 marginally thereof following the bottom 13 and the end walls 12 has jointure therewith preferably as at 17 for permanency in the location of such partition or divider wall 15 within the body 10. It is to be understood of course that the permanent locating of the partition or divider wall 15 within the body 10 determines the capacity of the compartments 16, that is to say, these compartments may be of equal or unequal capacity with respect to each other.

The end walls 12 inwardly from the open top edge of the body 10 in alignment with the partition or divider wall 15 are slitted a determined distance. The slits are of equal length to each other. This partition or divider wall 15 at the uppermost portion at 18 thereof in association with a supplemental upper portion 19 corresponding to the portion 18 has jointure with the slitted portions 20 of the end walls 12 so that extended filling and dispensing spouts 21 are built with the body 10 for separate accessibility to the respective compartments 16 within said body. These spouts 21 serve as extended mouths for the respective compartments 16 and are capable of being folded for the closing thereof, the folding being indicated at 22 and in this condition may be sealed for rendering the compartments fluidtight to preserve the contents of such compartments and to avoid contamination from external sources without the body 10. These spouts or mouths 21, individual in kind for the respective compartments 16, permit of the closing of the compartments independently of each other and also avoid decreasing the maximum content capacity of said compartments in that no part of the body 10 will be consumed in the closing of such compartment through the use of the spouts or mouths 21 created therewith.

The contents of the compartment 16 when packaged will be held separated to avoid intermixing thereof and the container assures the use of one content in one compartment without disturbing the content of the other or others of said compartments created within the body 10.

The partitioning and spouting or mouthing of the body 10 of a container as before set forth enables the latter to package several or more commodities and the maintenance of the same in the separated condition provided for by the formation of the compartments within.

The advantages of arranging a plurality of compartments within a container and these individually opened and closed only at the top of the container beyond that of a container creating a wrapper for the packaging of a commodity should be clearly obvious and manifold. Essentially it is possible to have a single container package quantities of material, these being segregated from each other, and on the dispensing of one avoids disturbance of another and dispensing in part or whole of any one or all of the quantities of material can be had.

In Figures 6 and 7 of the drawings there is shown a modification of the invention wherein the body 23 of the container is constructed and arranged as shown with the compartments 24 interiorly thereof in end to end relation to each other with the foldable, normally open, closable mouths 25 individual to each compartment 24.

The build of the compartments 24 interiorly of the body 23 is brought about by the partition or divider wall 26. The mouths 25 are separated from each other by the continuations 27 and 28 present with the said partition 26.

In Figures 8 and 9 of the drawings there is shown a further modification of the invention wherein the mouths or extension spouts 29 individual to the respective compartments 30 within the body 31 of the container are of a flared setup by reason of the inwardly tapered wall formations 32 and by this will function as a funnel for each of said compartments enabling the filling of such compartments more conveniently than will be the case when the spouts or mouths are straight walled.

The size of the container and the content capacities of the compartments within the latter can be varied within determined limits and also the shapes of the said container and compartments may be altered for satisfying the requirements of the makers or users of containers of this type.

What is claimed is:

1. A container of the character described, comprising a collapsible body having opposite walls provided with slits extending downwardly from the upper edges, a partition extending across the body below the slits and dividing the same into two compartments, and the partition above the slits having two flaps each extending the entire width of the container adapted to co-operate with the upper ends of the opposite walls of the body to form a separate closure for each compartment.

2. A container of the character described, comprising a collapsible body having opposite walls provided with slits extending downwardly from the upper edges, a partition extending across the body below the slits and dividing the same into two compartments, and the partition above the slits having two flaps each extending the entire width of the container terminating in a plane with the upper ends of the opposite walls of the body, whereby the flaps and the walls of the body above the slits co-operate to form a separate closure for each compartment.

JUDSON R. OTTER.