

## SHOULDER PACK WITH LID LIFT

The present invention relates to a container for consumer goods with an inner portion that articulates with a lifting mechanism. The container finds particular application as a  
5 container for elongate smoking articles such as cigarettes.

It is known to package consumer goods such as, for example, elongate smoking articles in containers formed from folded laminar blanks. For example, elongate smoking articles, such as cigarettes and cigars, are commonly sold in hinge-lid packs having a box for housing the smoking articles and a lid connected to an upper portion of the box about a  
10 hinge line extending across the back wall of the container. Such hinge-lid packs are typically constructed from one-piece laminar cardboard blanks. An inner frame is often provided and fixed within the box. In use, the lid is pivoted about the hinge line to open the pack, to expose only an end portion of the smoking articles, and to gain access to the smoking articles held within the box.

15 In some configurations, the box portion of the container may include an inner box received within the outer box of the container. For example, in the design of some shoulder packs the lid opens to reveal an inner box lying within the outer box. The inner box may be hinged at one end with respect to the outer box so that the inner box can be pivoted upwards to allow access to the consumer goods within the inner box. However, in some  
20 cases it is difficult for the consumer to pivot the inner box and access the consumer goods. For example, it may be difficult for the consumer to simultaneously hold the outer box, grasp and lift the inner box and remove one or more consumer goods.

It would be desirable to provide a reliable lifting mechanism within a container for consumer goods such as a shoulder pack. It would be desirable that the lifting mechanism  
25 independently articulates the inner portion of the container relative to the outer portion of the container once released from the closed position.

According to the present disclosure there is provided a container for consumer goods comprising an inner portion received within an outer box portion and a lifting mechanism that facilitates easy access to consumer goods received on or within the inner portion. The lifting  
30 mechanism lifts the inner portion from a top side adjacent the lid hinge line and the inner portion articulates along a hinge line along a bottom side of the container. The consumer goods, such as cigarettes, are longitudinally orthogonal to the hinge line.

The outer box portion has an outer box back wall extending between an outer box left side wall and an outer box right side wall. The outer box bottom wall is orthogonal to the outer box back wall and extends between the outer box left side wall and the outer box right side wall. A lid portion depends from a first hinge line along a top edge of the outer box portion. The lid portion having a lid front wall extending between a lid right side wall and a lid left side wall and a lid bottom wall orthogonal to the lid front wall and extending between the lid left side wall and the lid right side wall. The lid portion is movable about the first hinge line between a closed position and an open position.

An inner portion is configured to receive consumer goods along an open top side.

The inner portion is received within the outer box portion. The inner portion comprises an inner portion back wall between an inner portion right side wall and an inner portion left side wall and an inner portion bottom wall orthogonal to the inner portion back wall and extending between the inner portion left side wall and the inner portion right side wall. The inner portion back wall is adjacent to the outer box back wall when the lid portion is in the closed position. The inner portion bottom wall is adjacent to the outer box bottom wall and the first hinge line is adjacent to the inner portion open top side and the inner portion is hingedly attached to the outer box bottom wall.

A lifting element depends from a first lifting element hinge line along the inner portion back wall and is fixed to the lid portion. The lifting element is adapted to move the inner portion back wall away from the outer portion back wall when the lid portion travels from the closed position to the open position. Advantageously, the shoulder box lifting mechanism articulates the inner portion back wall away from the outer box back wall as the lid portion moves to the open position, ensuring reliable, and consistent articulation of the inner portion.

The lifting element articulates the inner portion relative to the outer box portion along a second hinge line along connecting the inner portion bottom wall and the outer portion bottom wall. The second hinge line is parallel with the first hinge line. The parallel hinge lines provide simple construction and assembly of the shoulder box.

The lifting element can include a second lifting element hinge line separating a first flap and a second flap and a third lifting element hinge line separating the second flap from a third flap. Preferably the lifting element includes a tab cut-out extending along and replacing a portion of the third lifting element hinge line. The tab cut-out creates an audible sound when the second flap and third flap rotate to a non-coplanar configuration. Advantageously this provides an audible sound that indicates an opening or closing position to the consumer.

In many embodiments, the lid portion further comprises a lid top wall extending between the lid right side wall and the lid left side wall and the top wall depends from the first hinge line along a top edge of the outer box bottom wall. Here, the lifting element is fixed to the lid top wall. Preferably the third flap is fixed to the lid top wall and the first hinge line and the third lifting element hinge line are parallel and coextensive. In many of these  
5       embodiments, the first flap and second flap are folded onto each other and the third flap is substantially orthogonal to the first flap and second flap when the container is in the closed position and the third flap is coplanar with the lid top wall. In this configuration, the second flap and the third flap are coplanar when the lid is opened to an angle of about at least 45  
10       degrees. Advantageously, this configuration provides a simple construction and early audible sound to indicate that the inner portion is articulating relative to the outer box portion.

In other embodiments, the outer box portion comprises an outer box top wall extending between the outer box right side wall and the outer box left side wall and the lid front wall depends from the first hinge line along the outer box top wall. Here the third flap is  
15       fixed to and coplanar with the lid front wall and the second flap and the third flap are coplanar when the lid is opened to an angle of about at least 180 degrees. Advantageously, this configuration provides a simple construction and audible sound to indicate that the inner portion is articulating relative to the outer box portion. Additionally this container can be opened even if the container back wall is laying on a substrate.

20       Either a top side portion of the outer box left side wall and the outer box right side wall can have a curved corner or the bottom side portion of the lid left side wall and the outer box right side wall have a curved corner. This feature provides the advantage that the lid and the outer box side walls do not contact each other when the container is closed to provide a smooth closing action for the container.

25       The consumer goods received within the inner portion are elongated elements having a longitudinal axis that is orthogonal to the first hinge line. The inner portion can further include an inner portion front wall extending between the inner portion right side wall and the inner portion left side wall and the inner portion front wall is parallel to the inner portion back wall. The inner portion front wall advantageously retains the elongated consumer goods  
30       within the inner portion.

In many embodiments, the first hinge line connects the outer box to the lid portion. The outer box portion and lid portion are formed of the same laminar blank. This construction advantageously simplifies construction and assembly of the book box.

In many embodiments, the inner portion and the lifting mechanism are formed of the same laminar blank. This construction advantageously simplifies construction and assembly of the book box.

The present invention is applicable to any suitable container for consumer goods that includes an inner package. It is known to package consumer goods such as, for example, elongate smoking articles in containers formed from folded laminar blanks. For example, elongate smoking articles, such as cigarettes and cigars, are commonly sold in hinge-lid packs having a box for housing the smoking articles and a lid connected to the box about a hinge line extending across the back wall of the container. The box may include a box back wall, a box right side wall, a box top wall, and a box bottom wall. The lid may form the box front wall and the box left side wall.

The terms "front," "back," "upper," "lower," "side," "top," "bottom," and other terms used to describe relative positions of the components of containers refer to the container where the lid forms a front side and the consumer good lay along a back side. The terms "left" and "right" can be used with reference to side walls of the container when the container is viewed from the front side. When describing containers according to the present invention, these terms are used irrespective of the orientation of the container being described. The lid portion hinge line that allows opening the lid portion of the container by a pivotal movement is located at the "back" of the container. Conversely, the "front" of the container refers to the side of the container opposite the "back" of the container.

The term "inner surface" is used throughout the specification to refer to the surface of a component of the assembled container that is facing towards the interior of the container, for example towards the consumer goods, when the container is in the closed position.

The term "outer surface" is used throughout the specification to refer to the surface of a component of the container that is facing towards the exterior of the container. For example, in one or more embodiments, the container includes an inner portion that includes an outer surface that is facing the outer box portion of the container and an inner surface that is facing the consumer goods held in the container.

The term "hinge line" refers to a line about which two elements can be pivoted relative to each other. A hinge line may be, for example, a fold line, a perforation line or score line in a wall or panel of the container, or between two walls of the container.

The term "panel" refers to a portion of the container formed from a single, continuous portion of material. A panel can depend along one or more fold lines from one or more other

panels. The term "flap" refers to a panel that depends along only one fold line from only one other panel.

The term "wall" refers to a facet of the container, and a wall can be formed from a single panel or flap, or a wall can be formed from two or more abutting or overlapping panels  
5 or flaps.

The terms "height", "width" and "depth" refer to the external dimensions of the container or a component of the container along three perpendicular axes, when the lid is in the closed position and viewing the container from the front side. For example, the "height" of the container refers to the vertical distance between the top and bottom of the container,  
10 the "width" of the container refers to the distance between opposed right and left sides of the container, and the "depth" of the container refers to the distance between the front and back of the container. The terms "internal height", "internal width" and "internal depth" refer to corresponding dimensions inside the container or component. The difference between the external dimensions of the container and the internal dimensions of the container is  
15 determined by the thickness of the material, the number of layers and additional elements, like for example, the thickness of an adhesive.

According to the present disclosure there is provided a container for consumer goods comprising an inner portion received within an outer box portion and a lifting mechanism that facilitates easy access to consumer goods received on or within the inner portion. The lifting  
20 mechanism lifts the inner portion from a top side adjacent the lid portion and the inner portion articulates along a hinge line along a bottom side of the container.

The outer box portion has an outer box back wall extending between an outer box left side wall and an outer box right side wall. An outer box bottom wall is orthogonal to the outer box back wall and extends between the outer box left side wall and the outer box right side  
25 wall. In some embodiments, the outer box portion includes an outer box top wall extending between the outer box left side wall and the outer box right side wall and is orthogonal to the outer box back wall.

A lid portion depends from a first hinge line along a top edge of the outer box. The first hinge line forms an edge or corner of the container described herein. The lid portion includes a lid front wall extending between a lid right side wall and a lid left side wall. A lid  
30 bottom wall is orthogonal to the lid front wall and extends between the lid left side wall and the lid right side wall. The lid portion is movable about the first hinge line between a closed

position and an open position. Preferably the outer box portion and the lid portion are formed from the same laminar blank.

5 An inner portion for receiving consumer goods along an open top side is received within the outer box portion. The inner portion includes an inner portion back wall between an inner portion right side wall and an inner portion left side wall. An inner portion bottom  
10 wall is orthogonal to the inner portion back wall and extends between the inner portion left side wall and the inner portion right side wall. The inner portion back wall is adjacent to the inner portion back wall when the lid portion is in the closed position. The inner portion bottom wall is adjacent to the outer box bottom wall and the first hinge line is adjacent to the inner  
15 portion open top side and the inner portion is hingedly attached to the outer box bottom wall.

A lifting element depends from a first lifting element hinge line along the back wall of the inner portion and is fixed to the lid portion. The lifting element is adapted to move the inner portion back wall away from the outer portion back wall when the lid portion travels from the closed position to the open position. Preferably the inner portion and the lifting  
20 element are formed from the same laminar blank.

In many embodiments, the lifting element is a folded substrate element. The lifting element can include a second lifting element hinge line separating a first flap and a second flap and a third lifting element hinge line separating the second flap from a third flap. The folded substrate element can be formed of any material such as paper having a basis weigh  
25 from about 60 grams/m<sup>2</sup> to about 200 grams/m<sup>2</sup>. Preferably, the prominent grain direction is orthogonal to the fold lines to maximize the shape memory of the lifting element.

Preferably the lifting element includes a tab cut-out extending along and replacing a portion of the third lifting element hinge line. The tab cut-out creates an audible sound when the second flap and third flap rotate to a non-coplanar configuration. The tab- cut-out has an  
30 elongated "U" shape. The tab cut-out can have replace from about 20 percent to about 50 percent of the total length of the third lifting element hinge line. The tab cut-out can have a length of about 10 mm to about 35 mm, more preferably about 15 mm to about 20 mm. The tab cut-out can have a height (off-set distance from the third lifting element hinge line) of between about 1 mm to about 10 mm, more preferably between about 2 mm to about 4 mm.

30 In some embodiments, the lid portion depends from a first hinge line along a top edge of the outer box back wall and the lid portion includes a lid top wall extending between the lid left side wall and the lid right side wall. In these embodiments, the lifting element is fixed to the lid top wall. Preferably the third flap is fixed to the lid top wall and the first hinge

line and the third lifting element hinge line are parallel and coextensive. In many of these embodiments, the first flap and second flap fold onto each other and the third flap is substantially orthogonal to the first flap and second flap when the container is in the closed position and the third flap is coplanar with the lid top wall. In this configuration, the second  
5 flap and the third flap are coplanar when the lid opens to an angle of about at least 90 degrees.

In other embodiments, the outer box portion includes an outer box top wall extending between the outer box right side wall and the outer box left side wall and the lid front wall depends from the first hinge line along the outer box top wall. Here the lifting mechanism is  
10 fixed to and coplanar with the lid front wall. In these embodiments, the lifting element can have five flaps and five fold lines, where the first flap depends from the inner portion and each subsequent flap depends from the preceding flap. The fourth flap can be fixed to and planar with the lid front wall. The fifth flap is folded back onto the fourth flap and provides a lever action force back onto the third flap during the closing movement to allow the lifting  
15 element to fold upon itself smoothly. The second flap folds onto the first flap in the closed position.

This configuration provides a first and second bi-stable position for the inner portion when opening the container. Once the lid is opened more than about 90 degrees, for example, the inner portion "pops" or springs away from the outer box portion from the first bi-stable position to the second bi-stable position. Closing the lid portion to an angle less than  
20 about 180 degrees causes the lever flap or fifth flap to contact and deflect the third flap and allow the lifting mechanism to close or fold upon itself moving back from the second bi-stable position to the first bi-stable position.

in some embodiments, it is preferred that a top side portion of the outer box left side  
25 wall and the outer box right side wall have a curved corner. In other embodiments, it is preferred that the bottom side portion of the lid left side wall and the outer box right side wall have a curved corner. Both versions can improve a smooth closing of the container and prevent straight edges from catching and jamming during the closing movement.

The container, outer box portion, lid portion and inner portion and outer wrapper may  
30 be formed from any suitable materials including, but not limited to, cardboard, paperboard, plastic, metal, or combinations thereof. The cardboard may have a weight of between about 100 grams per square meter and about 350 grams per square meter.

The consumer goods within the container may be wrapped in an inner liner. The inner liner and consumer goods together form an inner package. Prior to first opening, the filled container may be wrapped in an outer wrapper.

Containers according to the invention may be in the shape of a rectangular  
 5 parallelepiped, with right-angled longitudinal and right-angled transverse edges. Alternatively, the container may include one or more rounded longitudinal edges, rounded transverse edges, bevelled longitudinal edges, or bevelled transverse edges, or combinations thereof. For example, the container according to the invention may include, without limitation, one or more of the following features:

- 10           • one or two longitudinal rounded or bevelled edges on at least one of the lid wall (or front wall) and the outer box back wall;
- one or two transverse rounded or bevelled edges on at least one of the lid (or front wall) and the outer box back wall;
- one longitudinal rounded edge and one longitudinal bevelled edge on the lid  
 15 (or front wall), or one transverse rounded edge and one transverse bevelled edge on the outer box back wall;
- one longitudinal rounded edge and one longitudinal bevelled edge on the lid (or front wall), and one transverse rounded edge and one transverse bevelled edge on the outer box back wall;
- 20           • one or two transverse rounded or bevelled edges on the lid (or front wall) and one or two longitudinal rounded or bevelled edges on the lid (or front wall); and
- two longitudinal rounded or bevelled edges on a right side wall or two transverse rounded or bevelled edges on the left side wall.

25           Where the container includes one or more rounded edges, preferably the blanks forming the container (outer box and lid) include three, four, five, six, or seven scoring lines or creasing lines to form each rounded edge in the assembled container. The scoring lines or creasing lines may be either on the inside of the container or on the outside of the container. Preferably, the scoring lines or creasing lines are spaced from each other by  
 30 between about 0.3 mm and about 4 mm.

As well as housing a bundle of smoking articles, the container may further include other consumer goods, for example, matches, lighters, extinguishing means, breath-fresheners, or electronics. The other consumer goods may be attached to the outside of the

container, contained within the container along with the smoking articles, in a separate compartment of the container, or combinations thereof.

The exterior surfaces of containers according to the invention may be printed, embossed, debossed or otherwise embellished with manufacturer or brand logos, trade marks, slogans and other consumer information and indicia.

A carton that includes a lid and at least one sidewall can contain multiple containers as described herein.

Referring now to the drawings, in which some aspects of the present invention are illustrated

**FIG. 1** is a schematic perspective view of a container in an open position, where the container includes an outer box portion and an inner portion disposed within the outer box portion.

**FIG. 2** is a schematic diagram of a single laminar blank forming the outer box portion and the lid portion.

**FIG. 3** is a schematic diagram of a single laminar blank for forming the inner portion and an exemplary lifting element.

**FIG. 4** is a schematic perspective top view of the container of **FIG. 1** in the open position showing the lifting mechanism fixed to the top wall of the lid.

**FIG. 5** is a schematic perspective view of another embodiment of the container in an open position, where the lifting element is fixed to the front wall of the lid.

**FIG. 6** is a schematic diagram of another single laminar blank forming the outer box portion and the lid portion.

**FIG. 7** is a schematic diagram of another single laminar blank for forming the inner portion and another exemplary lifting element.

**FIG. 8** is a schematic cross-sectional view of the container of **FIG. 5**.

**FIG. 9** is a schematic cross-sectional close-up view of the lifting mechanism of **FIG. 8**.

**FIG. 10** is a schematic cross-sectional close-up view of the lifting mechanism of **FIG. 8** in the closed position.

**FIG. 1** shows a container **10** according to an embodiment of the invention. The container **10** comprises an outer box portion **20**, an inner portion **50** and a lid portion **30**. A

lifting mechanism articulates the inner portion **50** away from the outer box portion **20** once the lid portion **30** is moved toward the open position. The lifting mechanism is omitted from **FIG. 1** for clarity, but is shown in and described with reference to **FIGs. 3** and **4**.

5 The outer box portion **20** includes an outer box back wall **22** extending between an outer box left side wall **27** and an outer box right side wall **28**. The outer box bottom wall **24** is orthogonal to the outer box left side wall **27** and outer box right side wall **28** and extends between the outer box left side wall **27** and outer box right side wall **28**.

10 The lid portion **30** includes a lid front wall **32** extending between a lid bottom wall **34** and lid top wall **36** and between a lid right side wall **38** and lid left side wall **37**. The lid right side wall **38** and left side wall **37** are orthogonal to the lid front wall **32** and extend between the lid bottom wall **34** and lid top wall **36**.

15 The lid portion **30** depends from a first hinge line **40** along a top side of the outer box portion back wall **22**. The lid portion **30** is movable about the first hinge line **40** between a closed position and an open position. The first hinge line **40** extends between the outer box left side wall **27** and the outer box right side wall **28**.

20 The outer box portion **20** and the lid portion **30** are preferably formed from a single laminar blank as illustrated in **FIG. 2**. A top portion of the outer box left side wall **27** and an outer box right side wall **28** preferably has a curved corner to provide ease of closure and reduce the incidence of the lid portion **30** catching on the outer box left side wall **27** and an outer box right side wall **28** during the closing movement of the lid portion **30**.

25 The inner portion **50** is arranged and configured to receive consumer goods. The consumer goods can have a longitudinal length that is generally orthogonal with the first hinge line **40**. In many embodiments, the consumer goods are elongated articles such as smoking articles or cigarettes, where the longitudinal length or axis is generally orthogonal with the first hinge line **40**. The consumer goods can be extracted from the inner portion **50** top side.

30 The inner portion **50** is received within the outer box portion **20**. The inner portion **50** comprises an inner portion back wall **52** that extends between an inner portion right side wall **58** and an inner portion left side wall **57**. Preferably the inner portion **50** comprises an inner portion front wall **51** that extends between an inner portion right side wall **58** and an inner portion left side wall **57** and is parallel with the inner portion back wall **52**. A top side portion of the inner portion **50** is open to provide access to the consumer goods held within the inner portion **50**.

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The inner portion back wall **52** is adjacent to the outer box back wall **22** when the lid portion **30** is in the closed position. The outer box portion bottom wall **24** is between and adjacent to the inner portion bottom wall **54** and the lid bottom wall **34**. For ease of construction, the inner portion **50** and the lifting element **80** are formed from the same laminar blank as illustrated in FIG. 3. The inner portion bottom wall **54** is hingedly attached to the outer box portion bottom wall **24** along a second hinge line. Preferably the second hinge line is parallel with the first hinge line **40**.

FIG. 3 illustrates the lifting element **80** depending from the inner portion back wall **52** along a lifting element first fold line **81**. A first lifting element flap **85** connects to the inner portion back wall **52** along the lifting element first fold line **81**. A second lifting element flap **86** connects to the first lifting element flap **85** along a lifting element second fold line **82**. A third lifting element flap **87** connects to the second lifting element flap **86** along a lifting element third fold line **83**.

The third lifting element flap **87** is fixed to the lid portion **30** to articulate the inner portion **50** relative to the outer box portion **20** when the lid portion **30** is moved to the open position. The lifting element **80** moves the inner portion back wall **52** away from the outer box back wall **22** when the lid portion **30** travels to the open position.

FIG. 1 to FIG. 4 illustrate one embodiment of the container where the lid portion **30** has a top lid wall **36** extending between the lid right side wall **38** and the lid left side wall **37**. The lid top wall **36** depends from the first hinge line **40** along a top edge of the outer box back wall **22**. The lifting element **80** is fixed to the lid top wall **36**. The third lifting element flap **87** is fixed to the lid top wall **36**. The first hinge line **40** and the third lifting element hinge line **83** are parallel and preferably coextensive. The first flap **85** and second flap **86** are folded onto each other and the third flap **87** is substantially orthogonal to the first flap **85** and second flap **86** when the container is in the closed position. The third flap **87** is coplanar with the lid top wall **36**. In many of these embodiments, a top side portion of the outer box left side wall **27** and the outer box right side wall **28** have a curved corner.

The container **10** further includes a locking element **72** on the outer box bottom wall **24** configured to engage a lid portion lock-mating element **74** on the lid portion bottom wall **34** and secure the lid **30** in the closed position.

FIG. 5 to FIG. 10 illustrates another embodiment of the container where the outer box portion **20** has an outer box top wall **26** extending between the outer box right side wall **28** and the outer box left side wall **27**. The lid front wall **32** depends from the first hinge line

**40** along the outer box top wall **26**. The lifting element **80** is fixed to the lid front wall **32**. In many of these embodiments, a bottom side portion of the lid left side wall **37** and the lid right side wall **38** have a curved corner.

5 The outer box portion **20** includes an outer box back wall **22** extending between an outer box left side wall **27** and an outer box right side wall **28**. The outer box bottom wall **24** is orthogonal to the outer box left side wall **27** and outer box right side wall **28** and extends between the outer box left side wall **27** and outer box right side wall **28**. An outer box top wall **26** is orthogonal to the outer box left side wall **27** and outer box right side wall **28** and extends between the outer box left side wall **27** and outer box right side wall **28**.

10 The lid portion **30** includes a lid front wall **32** extending between a lid right side wall **38** and lid left side wall **37**. The lid right side wall **38** and left side wall **37** are orthogonal to the lid front wall **32** and a lid bottom wall **34** extends between a lid right side wall **38** and lid left side wall **37**.

15 The lid portion **30** depends from a first hinge line **40** along a top wall **26** of the outer box portion back wall **22**. The lid portion **30** is movable about the first hinge line **40** between a closed position and an open position. The first hinge line **40** extends between the outer box left side wall **27** and the outer box right side wall **28**.

20 The outer box portion **20** and the lid portion **30** are preferably formed from a single laminar blank as illustrated in FIG. 6. A bottom portion of the lid left side wall **37** and the lid right side wall **38** preferably has a curved corner to provide ease of closure and reduce the incidence of the lid portion **30** catching on the outer box left side wall **27** and an outer box right side wall **28** during the closing movement of the lid portion **30**.

The inner portion **50** is arranged and configured to receive consumer goods as described above.

25 The inner portion **50** is received within the outer box portion **20**. The inner portion **50** comprises an inner portion back wall **52** that extends between an inner portion right side wall **58** and an inner portion left side wall **57**. Preferably the inner portion **50** comprises an inner portion front wall **51** that extends between an inner portion right side wall **58** and an inner portion left side wall **57** and is parallel with the inner portion back wall **52**. A top side portion  
30 of the inner portion **50** is open to provide access to the consumer goods held within the inner portion **50**.

The inner portion back wall **52** is adjacent to the outer box back wall **22** when the lid portion **30** is in the closed position. The outer box portion bottom wall **24** is between and adjacent to the inner portion bottom wall **54** and the lid bottom wall **34**. For ease of construction, the inner portion **50** and the lifting element **80** are formed from the same  
5 laminar blank as illustrated in **FIG. 7**. The inner portion bottom wall **54** is hingedly attached to the outer box portion bottom wall **24** along a second hinge line. Preferably the second hinge line is parallel with the first hinge line **40**.

**FIG. 7** illustrates the lifting element **80** depending from the inner portion back wall **52** along a lifting element first fold line **81**. A first lifting element flap **85** connects to the inner  
10 portion back wall **52** along the lifting element first fold line **81**. A second lifting element flap **86** connects to the first lifting element flap **85** along a lifting element second fold line **82**. A third lifting element flap **87** connects to the second lifting element flap **86** along a lifting element third fold line **83**. A fourth lifting element flap **91** connects to the third lifting element flap **87** along a lifting element fourth fold line **84**. A fifth lifting element flap **89** connects to the  
15 fourth lifting element flap **91** along a lifting element fifth fold line **90**.

The fourth lifting element flap **91** is fixed to the lid portion **30** front wall **32** to articulate the inner portion **50** relative to the outer box portion **20** when the lid portion **30** is moved to the open position. The lifting element **80** moves the inner portion back wall **52** away from the outer box back wall **22** when the lid portion **30** travels to the open position.

**FIG. 5** to **FIG. 10** illustrate one embodiment of the container where the lifting element **80** is fixed to the lid front wall **32**. **FIG. 8** and **FIG. 9** illustrate this five-fold lifting element construction in the open position and **FIG. 10** illustrate this five-fold lifting element construction in the closed position. The fourth flap **91** is fixed to and planar with the lid front wall **32**. The fifth flap **89** is folded back onto the fourth flap **91** and provides a lever action  
20 force back onto the third flap **87** during the closing movement to allow the lifting mechanism **80** to close smoothly. The second flap **86** folds onto the first flap **85** in the closed position.

This configuration provides a first and second bi-stable position for the inner portion **50** when opening the container. Once the lid **30** is opened more than about 90 degrees, for example, the inner portion "pops" or springs away from the outer box portion **20**. Closing the  
30 lid portion **30** to an angle less than about 180 degrees causes the lever flap or fifth flap **89** to contact and deflect the third flap **87** and allow the lifting mechanism to close or fold upon itself smoothly. Thus the lever or fifth flap **89** is longer than fourth flap **91**.

The exemplary embodiments described above are not limiting. Other embodiments consistent with the exemplary embodiments described above will be apparent to those skilled in the art.

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**CLAIMS**

1. A container for consumer goods, comprising:
  - 5 an outer box portion having an outer box back wall extending between an outer box left side wall and an outer box right side wall and an outer box bottom wall orthogonal to the outer box back wall and extending between the outer box left side wall and the outer box right side wall;
  - 10 a lid portion depending from a first hinge line along a top edge of the outer box portion, the lid portion having a lid front wall extending between a lid right side wall and a lid left side wall and a lid bottom wall being orthogonal to the lid front wall and extending between the lid left side wall and the lid right side wall, the lid portion movable about the first hinge line between a closed position and an open position;
  - 15 an inner portion for receiving consumer goods along an open top side is received within the outer box portion, the inner portion comprising an inner portion back wall between an inner portion right side wall and an inner portion left side wall and an inner portion bottom wall orthogonal to the inner portion back wall and extending between the inner portion left side wall and the inner portion right side wall, the inner portion back wall adjacent to the outer box back wall when the lid portion is in the closed position, the inner portion bottom wall is adjacent to the outer box bottom wall and the first hinge line is adjacent to the inner portion open top side and the inner portion is hingedly attached to the outer box bottom wall;
  - 20 and
  - 25 a lifting element depending from a first lifting element hinge line along the back wall of the inner portion and fixed to the lid portion, the lifting element adapted to move the inner portion back wall away from the outer portion back wall when the lid portion travels from the closed position to the open position.

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2. The container of claim 1, wherein the lifting element articulates the inner portion relative to the outer box portion along a second hinge line connecting the inner portion bottom wall and the outer box bottom wall, and the second hinge line is parallel with the first hinge line.

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3. The container according to any of the preceding claims, wherein the consumer goods received within the inner portion are elongated elements having a longitudinal axis that is orthogonal to the first hinge line.

10 4. The container according to any of the preceding claims, wherein the lifting element comprises a second lifting element hinge line separating a first flap and a second flap and a third lifting element hinge line separating the second flap from a third flap.

15 5. The container according to claim 4, further comprising a tab cut-out extending along and replacing a portion of the third lifting element hinge line, the tab cut-out creates an audible sound when the second flap and third flap rotate to a non-coplanar configuration.

20 6. The container of claim 5, wherein the lid portion further comprises a lid top wall extending between the lid right side wall and the lid left side wall and the top wall depends from the first hinge line along a top edge of the outer box bottom wall, and wherein the lifting element is fixed to the lid top wall.

25 7. The container according to claim 6, wherein the third flap is fixed to the lid top wall and wherein the first hinge line and the third lifting element hinge line are parallel and coextensive.

8. The container according to any of claims 6 or 7, wherein the first flap and second flap are folded onto each other and the third flap is substantially orthogonal to the first flap and

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second flap when the container is in the closed position and wherein the third flap is coplanar with the lid top wall.

9. The container according to any of claims 6 to 8, wherein the second flap and the third  
5 flap are coplanar when the lid is opened to an angle of about at least 90 degrees.

10. The container according to any of claims 6 to 9, wherein the first lifting element hinge line and the second hinge line are parallel with the first hinge line.

10 11. The container according to any of the preceding claims, wherein a top side portion of the outer box left side wall and the outer box right side wall have a curved corner.

12. The container according to claims 1 to 3, wherein the outer box portion comprises an outer box top wall extending between the outer box right side wall and the outer box left side  
15 wall and the lid front wall depends from the first hinge line along the outer box top wall, and the lifting element comprises a second lifting element hinge line separating a first flap and a second flap and a third lifting element hinge line separating the second flap from a third flap and a fourth lifting element hinge line separating the third flap from a fourth flap and a fifth lifting element hinge line separating the fourth flap from a fifth flap and the fourth flap is fixed  
20 and coplanar with the lid front wall and the fifth flap is folded back onto the fourth flap.

13. The container according to claim 12, wherein the fifth flap contacts and defects the third flap when the lid portion is closed to an angle of less than about 180 degrees.

25 14. The container according to any of the preceding claims, wherein the outer box portion and lid portion are formed of a single laminar blank.

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15. The container according to any of the preceding claims, wherein the inner portion and lifting mechanism are formed of a single laminar blank.