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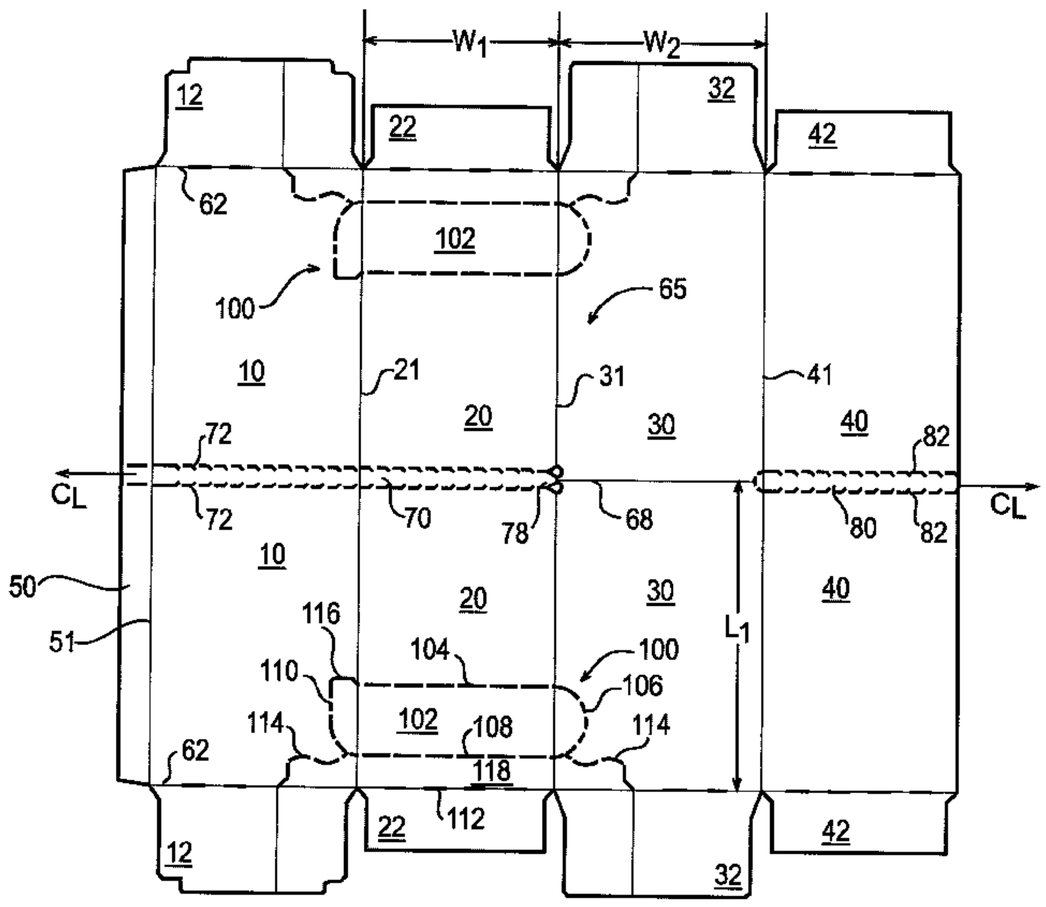

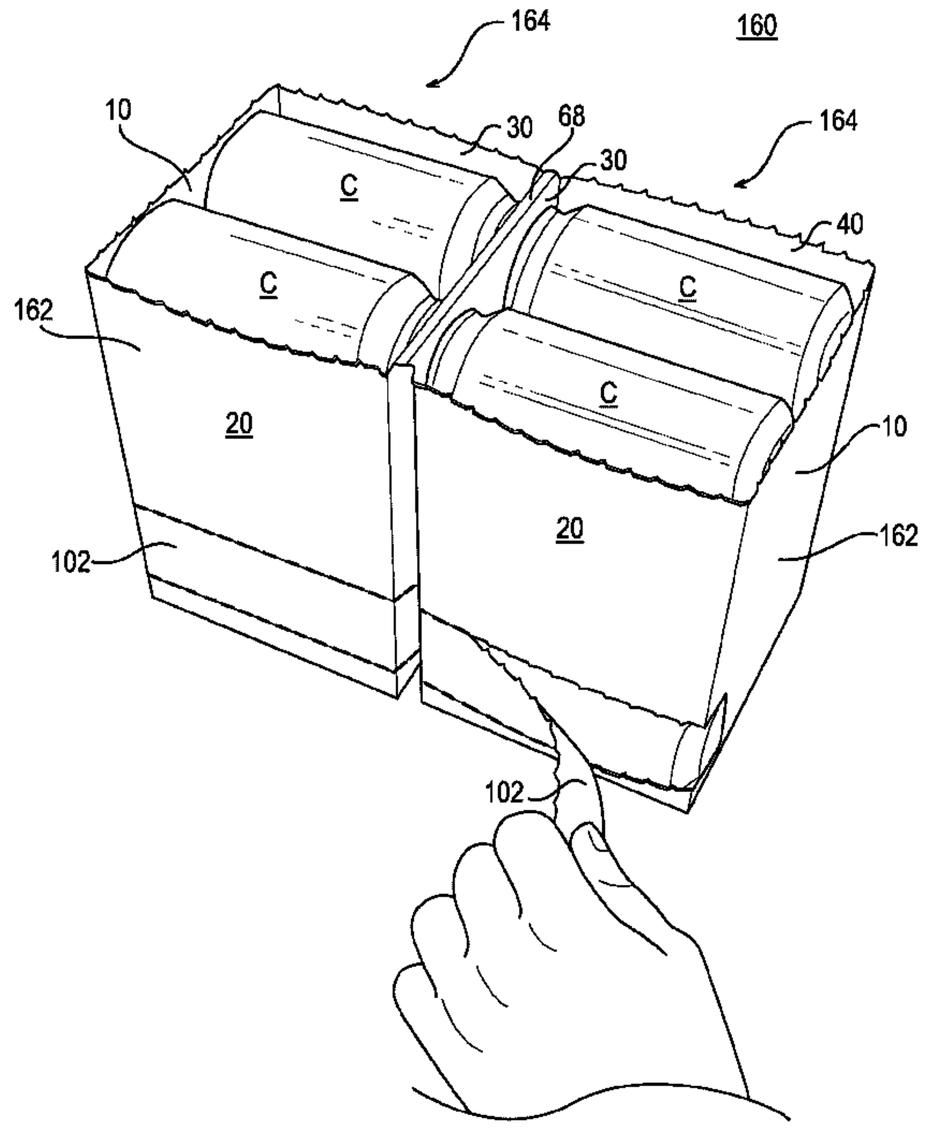

(57) Abrégé/Abstract:
A carton (150) can be placed in a dispensing configuration by separating the carton into carton sections. The carton sections may be connected by a hinge (68) that allows the carton sections to stand side-by-side. The container also comprises dispenser configurations (100,102).

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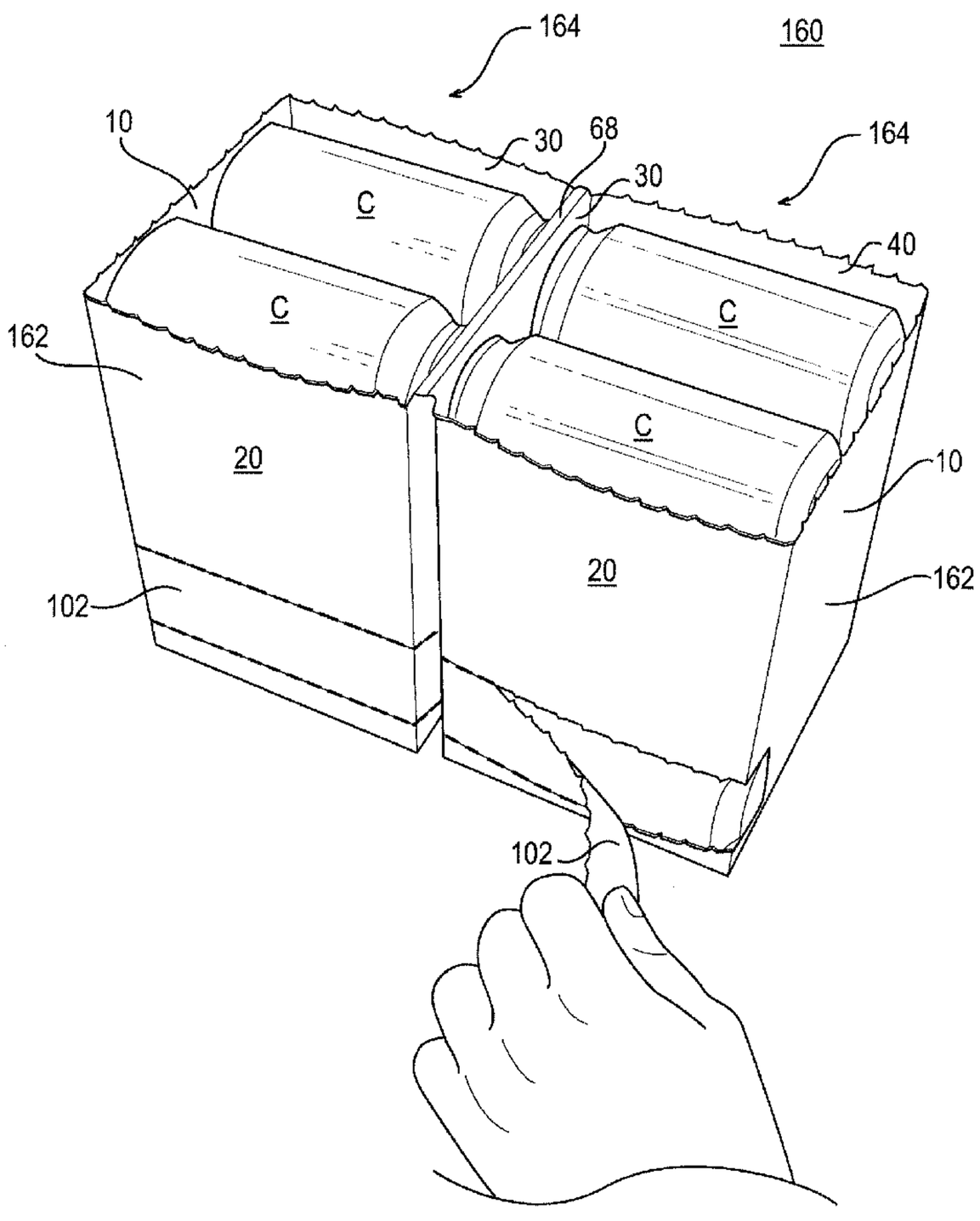

(57) Abstract: A carton (150) can be placed in a dispensing configuration by separating the carton into carton sections. The carton sections may be connected by a hinge (68) that allows the carton sections to stand side-by-side. The container also comprises dispenser configurations (100,102).

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CARTON HAVING DISPENSING CONFIGURATIONS

BACKGROUND

[0001] Enclosed cartons with dispensing features have been used in the past. Many such cartons include article dispensers defined by lines of disruption such as tear lines, cuts, score lines, and fold lines. A dispenser may be removable from a carton to create an opening from which articles can be removed from the carton. In some cartons, however, the dispenser may not provide sufficient access to all of the containers within the carton, which may render it difficult to remove all of the containers from the carton.

SUMMARY

[0002] The present invention generally relates to a carton accommodating a plurality of articles. The carton includes a tear feature that allows the carton to be placed in a first dispensing configuration. In the first dispensing configuration, the carton is separated into two sections, with each carton section accommodating a portion of the articles. The carton can include a hinge connecting the two carton sections and about which the carton sections are pivoted to place the carton in the first dispensing configuration.

[0003] According to one aspect of the present invention there is provided a method of dispensing beverage containers from a carton, comprising: providing a substantially parallelepipedal carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section defined in part by at least one breachable line of disruption, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third

side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features; providing a plurality of beverage containers accommodated in the carton in at least two rows and at least two columns; separating the carton at at least three of the sides into a first carton section and a second carton section, the separating the carton comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section; pivoting the first and second carton sections at the hinge to place the first and second carton sections in a side-by-side configuration, wherein the first carton section accommodates a first plurality of the plurality of beverage containers and has a first open top through which the first plurality of beverage containers can be dispensed, the first open top being at a top end of the first carton section opposite to the first end of the carton, the second carton section accommodates a second plurality of the plurality of beverage containers and has a second open top through which the second plurality of beverage containers can be dispensed, the second open top being at a second top end of the second carton section opposite to the second end of the carton, and the first dispenser section is located in the first carton section; opening the first dispenser section; and removing at least one of the first plurality of beverage containers through the opened first dispenser section.

[0004] According to a further aspect of the present invention there is provided a method of dispensing beverage containers from a carton, comprising: providing a carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a

tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features; providing at least twelve beverage containers accommodated in the carton in at least three rows and at least four columns, each beverage containers having a longitudinal axis, a container side, a first container end, and a second container end; separating the carton into a first carton section and a second carton section so that the first and second carton sections remain hingedly attached at the hinge on one side of the carton, the separating the carton comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section; pivoting the first and second carton sections at the hinge to place the first and second carton sections in a side-by-side configuration, wherein the first carton section accommodates a first half of the at least twelve beverage containers and has a first open top through which the first half of the beverage containers can be dispensed, the first open top being at a top end of the first carton section opposite to the first end of the carton, the first dispenser section is located in the first carton section adjacent to the first end of the carton and is defined in part by a first plurality of breachable lines of disruption, and the second carton section accommodates a second half of the at least twelve beverage containers and has a second open top through which the second half of the beverage containers can be dispensed, the second open top being at a second top end of the second carton section opposite to the second end of the carton; and removing at least one of the first half of the beverage containers from the first carton section.

[0004.1] According to another aspect of the present invention there is provided a method of dispensing beverage containers from a carton, comprising: providing a substantially parallelepipedal carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at

least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features; providing at least eight beverage containers accommodated in the carton in at least two rows and at least two columns; tearing a tear feature to separate the carton at at least three of the sides into a first carton section and a second carton section, the tearing a tear feature comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section; pivoting the carton sections about the hinge, which connects the first and second carton sections to place the first and second carton sections in a side-by-side configuration, wherein the first carton section accommodates a first half of the at least eight beverage beverage containers and has a first open top through which the first half of the beverage containers can be dispensed, the first open top being at a top end of the first carton section opposite to the first end panel of the carton, the second carton section accommodates a second half of the at least eight beverage containers and has a second open top through which the second half of the beverage containers can be dispensed, the second open top being at a top end of the second carton section opposite to the second end panel of the carton, beverage containers in a bottom column of the first half of the beverage containers rest on their sides on the first end panel of the carton, and beverage containers in a bottom column of the second half of beverage containers rest on their sides on the second end panel of the carton; opening the first dispenser

section; and removing at least one of the first half of the beverage containers through the opened first dispenser section.

[0004.2] According to a still further aspect of the present invention there is provided A method of dispensing beverage containers from a carton, comprising: providing a carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section defined in part by at least one breachable line of disruption, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features; providing a plurality of beverage containers accommodated in the carton in at least two rows and at least two columns; separating the carton into a first carton section and a second carton section, the separating the carton comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section, wherein the first carton section accommodates a first plurality of the plurality of beverage containers and has a first open top through which the first plurality of beverage containers can be dispensed, the first dispenser section is located in the first carton section, and the second carton section accommodates a second plurality of the plurality of beverage containers and has a second open top through which the second plurality of beverage containers can be dispensed; opening the first dispenser section; and removing an beverage containers from the first carton section through the opened first dispenser section.

[0004.3] According to another aspect of the present invention there is provided a carton and a plurality of beverage containers accommodated therein, the carton comprising: a pair of first side panels; a pair of second side panels; a pair of third side panels; a pair of fourth side panels; a first end panel; a second end panel; a first dispenser section defined in party by at least one breachable line of disruption; a tear feature extending around at least a part of a perimeter of the carton and separating the panels of the pair of first side panels, the pair of second side panels, and the pair of fourth side panels into a respective first carton section and a second carton section, the tear feature comprising a first tear feature extending between the pair of first side panels and the pair of second side panels, and a second tear feature extending between the pair of fourth side panels; a hinge between the pair of third side panels, the hinge and the tear feature dividing the carton into the first carton section and the second carton section that can be placed in a side-by-side configuration, the hinge extending from respective ends of the first and second tear features, wherein the beverage containers are arranged in at least two rows and at least two columns prior to forming the first section and the second section, the first section accommodates a first half of the plurality of beverage containers and has a first open top through which the first half of articles can be dispensed, the first open top being at a top end of the first carton section opposite the first end panel of the carton, the first dispenser section is located in the first carton section adjacent to the first end panel of the carton, the second carton section has a second open top through which the second half of articles can be dispensed, the second open top being at a second top end of the second carton section opposite the second end panel of the carton.

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[0005] According to an aspect of the invention, the carton sections may be completely separated from one another to place the carton in a dispensing configuration.

[0006] According to yet another aspect of the invention, one or both of the carton sections may be provided with a dispenser pattern that defines a dispenser section. The dispenser section allows a carton section to be placed in a second dispensing configuration.

[0007] Other aspects, features, and details of the present invention can be more completely understood by reference to the following detailed description of exemplary embodiments taken in conjunction with the drawings and from the appended claims.

BRIEF DESCRIPTION OF THE DRAWING FIGURES

[0008] According to common practice, the various features of the drawings discussed below are not necessarily drawn to scale. Dimensions of various features and elements in the drawings may be expanded or reduced to more clearly illustrate the embodiments of the invention.

[0009] **FIG. 1** is a plan view of a blank from which a carton according to a first embodiment of the invention is formed.

[0010] **FIG. 2** illustrates the first carton embodiment.

[0011] **FIGS. 3-5** illustrate placing the first carton embodiment into a first dispensing configuration.

[0012] **FIG. 6** illustrates the first carton embodiment in the first dispensing configuration.

[0013] **FIG. 7** illustrates the first carton embodiment in a second dispensing configuration.

DETAILED DESCRIPTION

[0014] The present invention generally relates to cartons capable of being placed in dispensing configurations by separating the carton into carton sections. The present invention can be used, for example, in cartons that contain articles or

other products such as, for example, food and beverages. The articles can also include beverage containers such as, for example, cans, bottles, PET containers, or other containers such as those used in packaging foodstuffs. For the purposes of illustration and not for the purpose of limiting the scope of the present invention, the following detailed description describes generally cylindrical beverage containers as disposed within the illustrated carton embodiments.

[0015] To facilitate understanding and explanation of the blank of the present invention, the elements and numerals described herein utilize the terms "end" and "side" to distinguish portions of the carton and of the blank. These conventions are included merely for ease of explanation and understanding of the present description, however, and should not be limiting in any manner. The descriptions of the panels as "end" and "side" etc., also can be referred to as "first," "second," etc. The terms "end" and "side" are not intended to connote relative size differences between elements in the drawing figures.

[0016] **FIG. 1** is a plan view of the exterior or print side of a blank **8** that can be used to form a carton **150** (illustrated in **FIG. 2**) according to a first embodiment of the invention. As shown in **FIG. 1**, the blank **8** may be symmetric or nearly symmetric about a longitudinal center line C_L. Therefore, certain elements in the drawing figures are indicated by like or similar reference numerals in order to reflect the longitudinal symmetry. The blank **8** comprises a pair of first side panels **10**, each first side panel **10** being foldably connected to a second side panel **20** at a first transverse fold line **21**, a pair of third side panels **30**, each third side panel **30** being foldably connected to a second side panel **20** at a second transverse fold line **31**, and a pair of fourth side panels **40**, each fourth side panel **40** being foldably connected to a third side panel **30** at a third transverse fold line **41**. An adhesive flap **50** may be foldably connected at a fourth transverse fold line **51**.

[0017] Each first side panel **10** is foldably connected at one end to a first end flap **12**. Each second side panel **20** is foldably connected at one end to a second end flap **22**. Each third side panel **30** is foldably connected at one end to a third end flap **32**. Each fourth side panel **40** is foldably connected at one end to a fourth end flap **42**. The end flaps **12**, **22**, **32**, **42** may be arranged along marginal areas of

the blank **8**, and may be foldably connected along longitudinally extending fold lines **62**. The longitudinal fold lines **62** may be straight or substantially straight fold lines, or may be offset at one or more locations to account for, for example, blank thickness. When the carton **150** is erected, the end flaps **12**, **22**, **32**, **42** close each end of the carton **150**.

[0018] According to one aspect of the first embodiment, the blank **8** includes a tear pattern **65** of lines of disruption that bifurcate the blank and allow the erected carton **150** (**FIG. 2**) constructed from the blank to be placed in a first dispensing configuration. The tear pattern **65** includes a first tear feature **70** that separates the pairs of side panels **10, 20** and extends adjacent to a longitudinal hinge line **68** that separates (e.g., defines a boundary between) and foldably connects the side panels **30**. The first tear feature **70** can be, for example, a tear strip defined by spaced breachable lines of disruption **72**, which may be tear lines. A tear tab **78** can be provided at the end of the first tear feature **70**. The hinge line **68** extends adjacent to a second tear feature **80** that separates the side panels **40**. The second tear feature **80** can be, for example, a tear strip defined by spaced breachable lines of disruption **82**.

[0019] A dispenser pattern **100** can be formed in one or both halves of the blank **8**. Each dispenser pattern **100** is comprised of lines of disruption defining a dispenser section **102**. Each dispenser pattern **100** includes a longitudinally extending upper portion **104**, a first side portion **106**, a longitudinally extending lower portion **108**, and a second side portion **110**. An access flap **116** can be defined at one corner of the dispenser section **102**. The dispenser pattern **100** also includes a base hinge line **112** and curved base lines **114** that in part define a pivot portion **118** at the base of the dispenser section **102**.

[0020] The lines **72**, **82, 104, 106, 108, 110, 114** can be breachable lines of disruption formed from continuous or substantially continuous tear lines formed by, for example, scores, creases, cuts, gaps, cut/creases, perforations, offset cuts, and overlapping and/or sequential combinations thereof. If cuts are used to form the tear lines **72**, **82, 104, 106, 108, 110, 114,** the cuts may be, for example,

interrupted by breachable nicks. The hinge line **68** can be, for example, any line of disruption between the panels **30** that facilitates hinged folding or pivoting of the blank **8**.

[0021] The dimensions of the blank **8** may be selected to accommodate characteristic dimensions of articles to be accommodated within the carton **150**. For example, in one embodiment, the side panels **20** (as well as the side panels **40**) can have a width W_1 that generally corresponds to or slightly exceeds a height (measured from bottom to top) of containers **C** (illustrated in **FIG. 5**) or other articles to be accommodated within the carton **150**. When cylindrical or substantially cylindrical containers **C** are used in the carton, the side panels **30** (as well as the side panels **10**) can have, for example, a width W_2 that generally corresponds to or slightly exceeds an integral multiple of a largest (e.g., "characteristic") diameter of the containers **C**. The length L_1 of the panels **30** can also generally correspond to or slightly exceed an integral multiple of the characteristic diameter. The length L_1 will approximate the height of the carton in its dispensing configurations (**FIGS. 6** and **7**). If multiple generally cylindrical containers **C**, such as beverage containers, are to be accommodated in the carton, it may be expected that the generally cylindrical containers will share at least one substantially equal common largest diameter.

[0022] An exemplary method of erection of the carton **150** is discussed below with reference to **FIGS. 1** and **2**.

[0023] Referring to **FIG. 1**, the carton **150** may be erected from the blank **8** by folding the blank flat at each of the transverse fold lines **21, 41** so that the underside of the fourth side panels **40** can be glued or otherwise adhered to the glue flap **50**. The distal end of the third tear feature **80** is adhered to the distal end of the first tear feature **70** in the adhesive flap **50** so that they may act in unison. The side panels **10, 20, 30, 40** may then be opened to a generally tubular or sleeve form.

[0024] Each end of the generally tubular sleeve form may be closed, for example, by folding the end flaps **22, 42** inwardly across the open end, followed by inwardly folding the end flap **12**, then folding the end flap **32** inwardly. At each end of the tubular carton form, the interior side of each end flap **12** can be adhered to the end flaps **22, 42**, and the interior side of each end flap **32** can be adhered to one or more of the end flaps **12, 22, 42**. Substantially cylindrical containers **C** or other articles, for example, may be loaded into the tubular sleeve in a conventional manner at any time before one or both ends of the carton are closed by the end flaps **12, 22, 32, 42**. In the exemplary embodiment, the carton **150** accommodates twelve containers **C** in two rows and six columns.

[0025] **FIG. 2** is a perspective view of the carton **150** erected from the blank **8** illustrated in **FIG. 1**. In the erected carton **150**, the overlapped end flaps **12, 22, 32, 42** form an end panel **160** at each end of the carton **150**. With the ends closed, the carton **150** has a substantially parallelepipedal shape. The sequentially arranged tear features **70, 80** extend partially around the perimeter of the carton **150** (e.g., around three side of the carton) and comprise a tear strip **170**.

[0026] **FIGS. 3-5**, discussed in detail below, illustrate an exemplary method of placing the carton **150** into a first dispensing configuration.

[0027] Referring to **FIG. 3**, the tear strip **170** is grasped at the tear tab **78** and pulled so that the tear strip **170** is torn along the tear lines **72** (illustrated in **FIG. 1**). Referring to **FIG. 4**, the tear strip **170** is further torn to separate the side panels **20** and then the side panels **10**. As shown in **FIGS. 1** and **2**, the second tear feature **80** is adhered to the first tear feature **70** so that the tearing motion causes the second tear feature **80** to tear along the tear lines **82** and thereby separate the side panels **40**. **FIG. 5** illustrates the carton **150** with the tear strip **170** fully removed from the carton.

[0028] Referring to **FIG. 6**, the carton is folded or pivoted about the longitudinal hinge line **68** so that the third side panels **30** are adjacent to one another. The carton is now in a first dispensing configuration comprising of a pair

of hingedly connected, side-by-side carton sections **162** having dispenser openings **164** at the top of each section, and is designated by the reference numeral **160**.

[0029] In the first dispensing configuration, each section **162** of the carton **160** accommodates six generally cylindrical containers **C**, arranged in two rows and three columns. In **FIG. 6**, the containers **C** are lying on their curved side surfaces, with longitudinal axes of the containers **C** being parallel to or aligned with a support surface of the sections **162**, and aligned with the plane of the end panels **160** (**FIG. 2**). The longitudinal axes of the containers **C**, which pass through the nd bottom ends of the containers **C**, are transverse to the hinge line **68**. The containers **C** are accessible through the dispenser openings **164**. In the illustrated embodiment, the side-by-side carton sections **162** are identical or substantially identical. Variations may be introduced, however, to one or both of the sections **162** so that they are not identical. For example, the upper perimeter edge of the dispenser opening **164** of one or both of the carton sections **162** could be varied by changing the shape of one or more of the tear features **70, 80**.

[0030] Referring to **FIGS. 6** and **7**, the carton **150** is placed in a second dispensing configuration by removing one or both of the dispenser sections **102** from the carton sections **162**. As shown in **FIG. 7**, the containers **C** can now be pulled through dispenser openings **168** left after removing the dispenser sections **102**, and/or through the dispenser openings **164** at the top of each carton section **162**. The dispenser openings **168** are located at bottom portions of the carton sections **162** so that the containers **C** can be gravity-fed to a dispensing position at the openings **168**.

[0031] In the illustrated embodiment, the carton sections **162** are hingedly connected while in the dispensing configuration, wherein the carton **150** is torn along three sides while a fourth side of the carton remains intact. In an alternative embodiment, the carton sections **162** may be separated from one another along the hinge **68** (e.g., by replacing the hinge with a breachable line of disruption) so that the carton is separated along four sides in order to place the carton **150** in the dispensing configurations.

[0032] **Example 1**

[0033] A parallelepipedal carton **150** as illustrated in **FIG. 2** accommodates twelve, 12 fluid ounce, cylindrical containers **C** in a 2 x 6 x 1 arrangement. The width W_1 is about 4 – 7/8 in., and the width W_2 is about 5 – 1/8 in. The length L_1 is about 7 – 3/4 in. In the dispensing configurations, each carton section **162** (**FIG. 6**) accommodates six containers C in a 2 x 3 x 1 arrangement.

[0034] In the above embodiments, the exemplary carton is described as accommodating twelve, 12-ounce, cylindrical beverage containers **C** in a 2 x 6 x 1 configuration. Other arrangements of containers, packages, articles, and other items, however, can be accommodated within a carton constructed according to the principles of the present invention. For example, a carton constructed according to the principles of the present invention would also function satisfactorily if the carton were sized and shaped to hold articles in other configurations, such as 2 x 4 x 1, 2 x 8 x 1, 3 x 4 x 1, 3 x 6 x 1, 4 x 4 x 1, 4 x 6 x 1, etc., and multi-tier variations of the aforementioned configurations.

[0035] The dimensions of the exemplary blank may be altered, for example, to accommodate various container forms. For example, 16-ounce or 20-ounce petaloid bottles, or other beverage bottles having longitudinal axes, may be accommodated within cartons constructed according to the principles of the present invention. In such arrangements, the first or bottom ends of the bottles could be adjacent to the second or fourth side panel pairs.

[0036] In accordance with the exemplary embodiments, the blank may be constructed of paperboard. The blank can also be constructed of other materials, such as cardboard, hard paper, solid unbleached sulfate (SUS) board, or any other material having properties suitable for enabling the carton to function as described above. The blank can also be laminated to one or more sheet-like materials at selected panels or panel sections.

[0037] The interior and/or exterior sides of the blank can be coated with a clay coating. The clay coating may then be printed over with product, advertising, price coding, and other information or images. The blank may then be coated with a varnish to protect any information printed on the blank. The blank may also be

coated with, for example, a moisture barrier layer, on either or both sides of the blank.

[0038] For purposes of the description presented herein, the term "line of disruption" can be used to generally refer to cut lines, tear lines, crease lines, score lines, and fold lines (or overlapping and/or sequential combinations of at least one cut line, crease line, score line, tear line, or fold line). A "breachable line of disruption" is a line of disruption that is intended to be breached during ordinary use of the carton, such as when placing the carton in a dispensing configuration. An example of a breachable line of disruption is a tear line.

[0039] In accordance with the above-described embodiments of the present invention, a fold line can be any substantially linear, although not necessarily straight, line of disruption or other form of weakening that facilitates folding therealong. More specifically, but not for the purpose of narrowing the scope of the present invention, fold lines include: score lines; cuts that extend partially into a material along the desired line of weakness, and/or a series of cuts that extend partially into and/or completely through the material along the desired line of weakness; and various overlapping and/or sequential combinations of these features.

[0040] In the present specification, a "panel" or "flap" need not be flat or otherwise planar. A "panel" or "flap" can, for example, comprise a plurality of interconnected generally flat or planar blank sections.

[0041] The above embodiments may be described as having one or more panels adhered together by glue during erection of the carton embodiment. The term "glue" is intended to encompass all manner of adhesives commonly used to secure carton panels in place.

[0042] It will be understood by those skilled in the art that while the present invention has been discussed above with reference to exemplary embodiments, various additions, modifications and changes can be made thereto without departing from the spirit and scope of the invention as set forth in the following claims.

WHAT IS CLAIMED IS:

1. A method of dispensing beverage containers from a carton, comprising:

providing a substantially parallelepipedal carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section defined in part by at least one breachable line of disruption, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features;

providing a plurality of beverage containers accommodated in the carton in at least two rows and at least two columns;

separating the carton at at least three of the sides into a first carton section and a second carton section, the separating the carton comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section;

pivoting the first and second carton sections at the hinge to place the first and second carton sections in a side-by-side configuration, wherein

the first carton section accommodates a first plurality of the plurality of beverage containers and has a first open top through which the first plurality of beverage containers can be dispensed, the first open top being at a top end of the first carton section opposite to the first end of the carton,

the second carton section accommodates a second plurality of the plurality of beverage containers and has a second open top through which the second

plurality of beverage containers can be dispensed, the second open top being at a second top end of the second carton section opposite to the second end of the carton, and

the first dispenser section is located in the first carton section;

opening the first dispenser section; and

removing at least one of the first plurality of beverage containers through the opened first dispenser section.

2. The method of claim 1, wherein the first dispenser section is adjacent to the first end of the carton.

3. The method of claim 2, wherein the beverage containers are generally cylindrical containers.

4. The method of claim 1, wherein separating the carton into the carton sections comprises tearing the tear feature along the three sides of the carton.

5. The method of claim 1, wherein the plurality of beverage containers comprises at least eight beverage containers arranged in at least two rows and at least four columns.

6. A method of dispensing beverage containers from a carton, comprising:

providing a carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending

across the fourth side panel, the hinge extending from respective ends of the first and second tear features;

providing at least twelve beverage containers accommodated in the carton in at least three rows and at least four columns, each beverage containers having a longitudinal axis, a container side, a first container end, and a second container end;

separating the carton into a first carton section and a second carton section so that the first and second carton sections remain hingedly attached at the hinge on one side of the carton, the separating the carton comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section;

pivoting the first and second carton sections at the hinge to place the first and second carton sections in a side-by-side configuration, wherein

the first carton section accommodates a first half of the at least twelve beverage containers and has a first open top through which the first half of the beverage containers can be dispensed, the first open top being at a top end of the first carton section opposite to the first end of the carton,

the first dispenser section is located in the first carton section adjacent to the first end of the carton and is defined in part by a first plurality of breachable lines of disruption, and

the second carton section accommodates a second half of the at least twelve beverage containers and has a second open top through which the second half of the beverage containers can be dispensed, the second open top being at a second top end of the second carton section opposite to the second end of the carton; and

removing at least one of the first half of the beverage containers from the first carton section.

7. The method of claim 6, further comprising opening the first dispenser section.

8. The method of claim 7, wherein beverage containers in a bottom column of the first half of the beverage containers rest on their sides on the first end of the carton.

9. A method of dispensing beverage containers from a carton, comprising:

providing a substantially parallelepipedal carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features;

providing at least eight beverage containers accommodated in the carton in at least two rows and at least two columns;

tearing a tear feature to separate the carton at at least three of the sides into a first carton section and a second carton section, the tearing a tear feature comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section;

pivoting the carton sections about the hinge, which connects the first and second carton sections to place the first and second carton sections in a side-by-side configuration, wherein

the first carton section accommodates a first half of the at least eight beverage beverage containers and has a first open top through which the first half of the beverage containers can be dispensed, the first open top being at a top end of the first carton section opposite to the first end panel of the carton,

the second carton section accommodates a second half of the at least eight beverage containers and has a second open top through which the second half of the beverage containers can be dispensed, the second open top being at a top end of the second carton section opposite to the second end panel of the carton,

beverage containers in a bottom column of the first half of the beverage containers rest on their sides on the first end panel of the carton, and

beverage containers in a bottom column of the second half of beverage containers rest on their sides on the second end panel of the carton;

opening the first dispenser section; and

removing at least one of the first half of the beverage containers through the opened first dispenser section.

10. The method of claim 9, wherein the beverage containers are generally cylindrical containers.

11. A method of dispensing beverage containers from a carton, comprising:

providing a carton having a first side panel, a second side panel foldably attached to the first side panel, a third side panel foldably attached to the second side panel, a fourth side panel foldably attached to the third side panel, at least one end flap foldably connected to at least one of the side panels forming a first end of the carton, at least one end flap foldably connected to at least one of the side panels forming a second end of the carton, and a first dispenser section defined in part by at least one breachable line of disruption, the first dispenser section extends across an entire width of the second side panel and comprises at least a portion of at least one of the first and third side panels, the carton comprising a tear feature extending across at least the first side panel, the second side panel, and the fourth side panel and a hinge extending across at least the third side panel, the tear feature comprising a first tear feature extending across the first and second side panels, and a second tear feature extending across the fourth side panel, the hinge extending from respective ends of the first and second tear features;

providing a plurality of beverage containers accommodated in the carton in at least two rows and at least two columns;

separating the carton into a first carton section and a second carton section, the separating the carton comprising tearing the carton at the tear feature to divide each of the first side panel, the second side panel, and the fourth side panel into respective first and

second portions, the first portions of the first side panel, the second side panel, and the fourth side panel comprising the first carton section and the second portions of the first side panel, the second side panel, and the fourth side panel comprising the second carton section, wherein

the first carton section accommodates a first plurality of the plurality of beverage containers and has a first open top through which the first plurality of beverage containers can be dispensed, the first dispenser section is located in the first carton section, and

the second carton section accommodates a second plurality of the plurality of beverage containers and has a second open top through which the second plurality of beverage containers can be dispensed;

opening the first dispenser section; and

removing an beverage containers from the first carton section through the opened first dispenser section.

12. The method of claim 11, further comprising pivoting the first and second carton sections about the hinge connecting the first and second carton sections after separating the carton into the first and second carton sections, wherein the first and second carton sections are placed in a side-by-side configuration.

13. The method according to claim 11 or 12, wherein longitudinal axes of the articles are transverse to the hinge.

14. The method according to claim 11, 12 or 13, wherein separating the carton into first and second carton sections comprises tearing the tear feature along three sides of the carton.

15. The method according to any one of claims 11 to 14, wherein the number of beverage containers in the first plurality of beverage containers is equal to the number of beverage containers in the second plurality of beverage containers.

16. The method according to any one of claims 11 to 15, wherein the plurality of beverage containers comprises at least eight articles.

17. The method according to any one of claims 11 to 16, wherein the plurality of beverage containers comprises at least twelve beverage containers arranged in at least three rows and at least four columns.

18 A carton and a plurality of beverage containers accommodated therein, the carton comprising:

a pair of first side panels;

a pair of second side panels;

a pair of third side panels;

a pair of fourth side panels;

a first end panel;

a second end panel;

a first dispenser section defined in party by at least one breachable line of disruption;

a tear feature extending around at least a part of a perimeter of the carton and separating the panels of the pair of first side panels, the pair of second side panels, and the pair of fourth side panels into a respective first carton section and a second carton section, the tear feature comprising a first tear feature extending between the pair of first side panels and the pair of second side panels, and a second tear feature extending between the pair of fourth side panels;

a hinge between the pair of third side panels, the hinge and the tear feature dividing the carton into the first carton section and the second carton section that can be placed in a side-by-side configuration, the hinge extending from respective ends of the first and second tear features, wherein

the beverage containers are arranged in at least two rows and at least two columns prior to forming the first section and the second section, the first section accommodates a first half of the plurality of beverage containers and has a first open top through which the first half of articles can be dispensed, the first open top being at a top end of the first carton section opposite the first end panel of the carton,

the first dispenser section is located in the first carton section adjacent to the first end panel of the carton,

the second carton section has a second open top through which the second half of articles can be dispensed, the second open top being at a second top end of the second carton section opposite the second end panel of the carton.

19. The carton and plurality of beverage containers according to claim18, wherein each beverage container is a generally cylindrical beverage container having a first container end and a second container end, the first container end of each container being adjacent to one of the pair of second side panels.

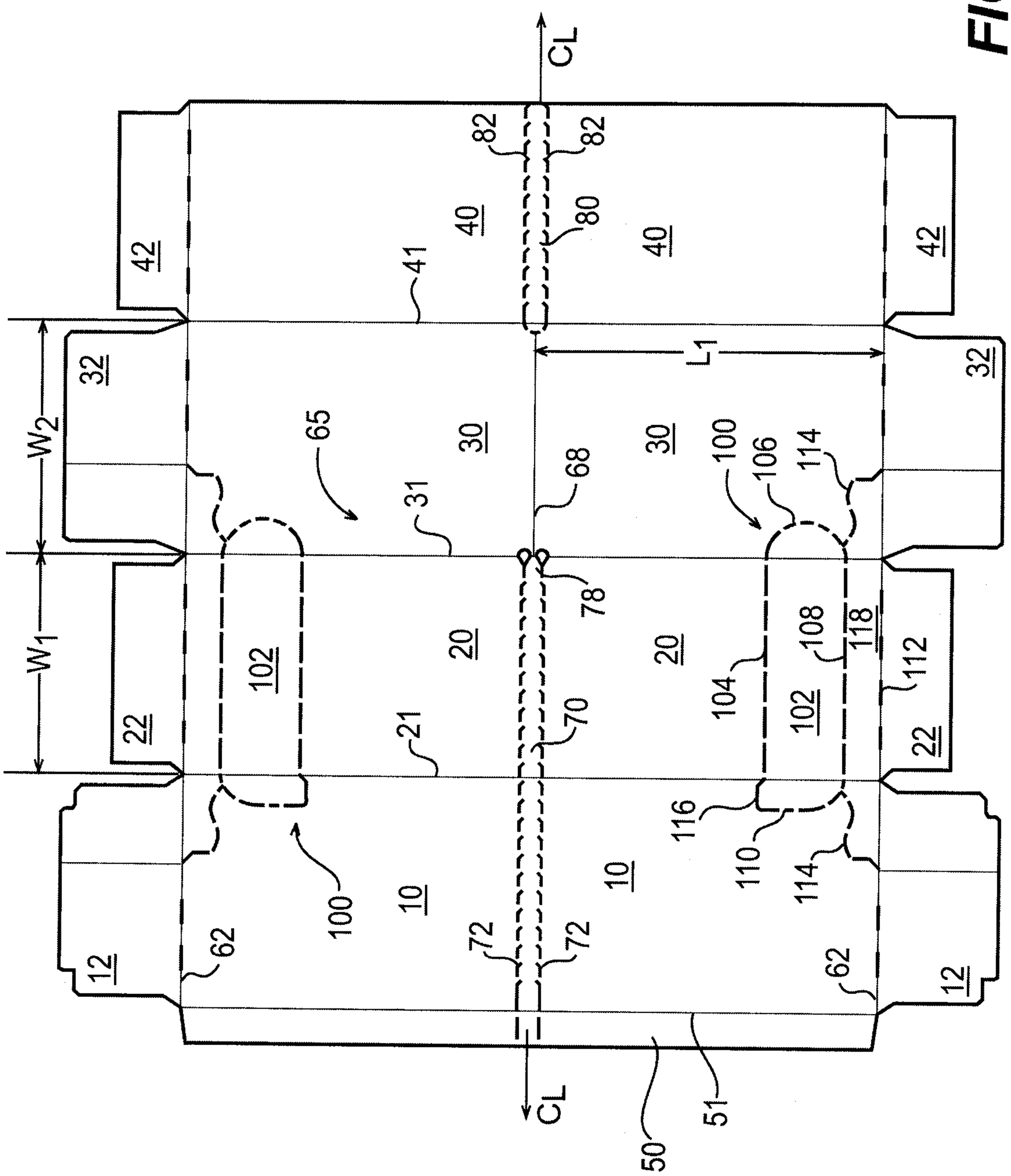
20. The carton and plurality of beverage containers according to claim 18, wherein each container is a bottle having a first bottle end and a second bottle end, the first bottle end of each bottle being adjacent to one of the pair of second side panels.

21. The carton and plurality of beverage containers according to claim 18, wherein the tear feature is a tear strip of varying width.

22. The carton and plurality of beverage containers according to any one of claims18 to 21, wherein the plurality of beverage containers comprises at least twelve beverage containers arranged in at least three rows and at least four columns.

23. The carton and plurality of beverage containers according to any one of claims18 to 22, wherein the carton is substantially parallelepipedal and each end panel comprises a plurality of end flaps.

FIG. 1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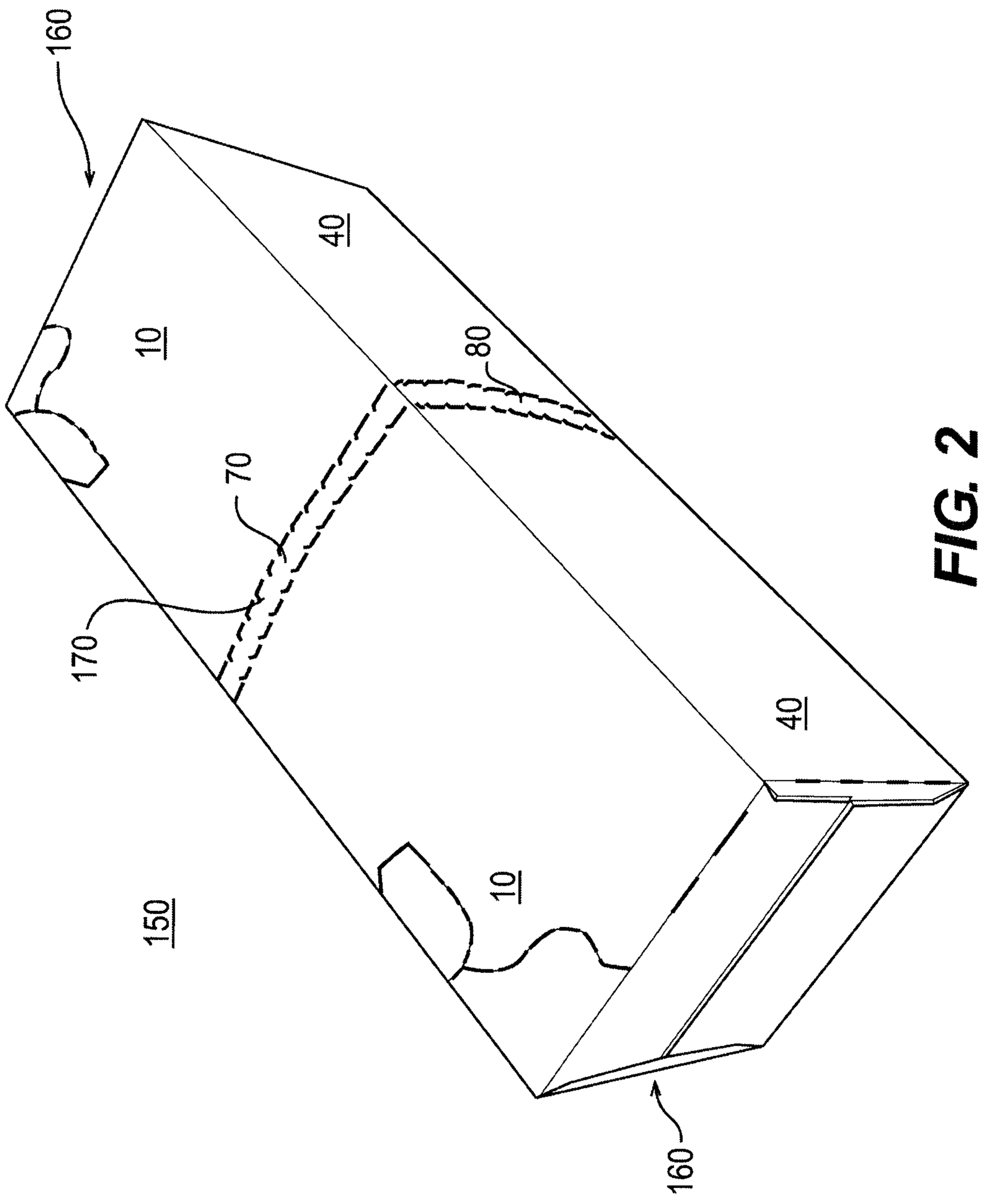


FIG. 2

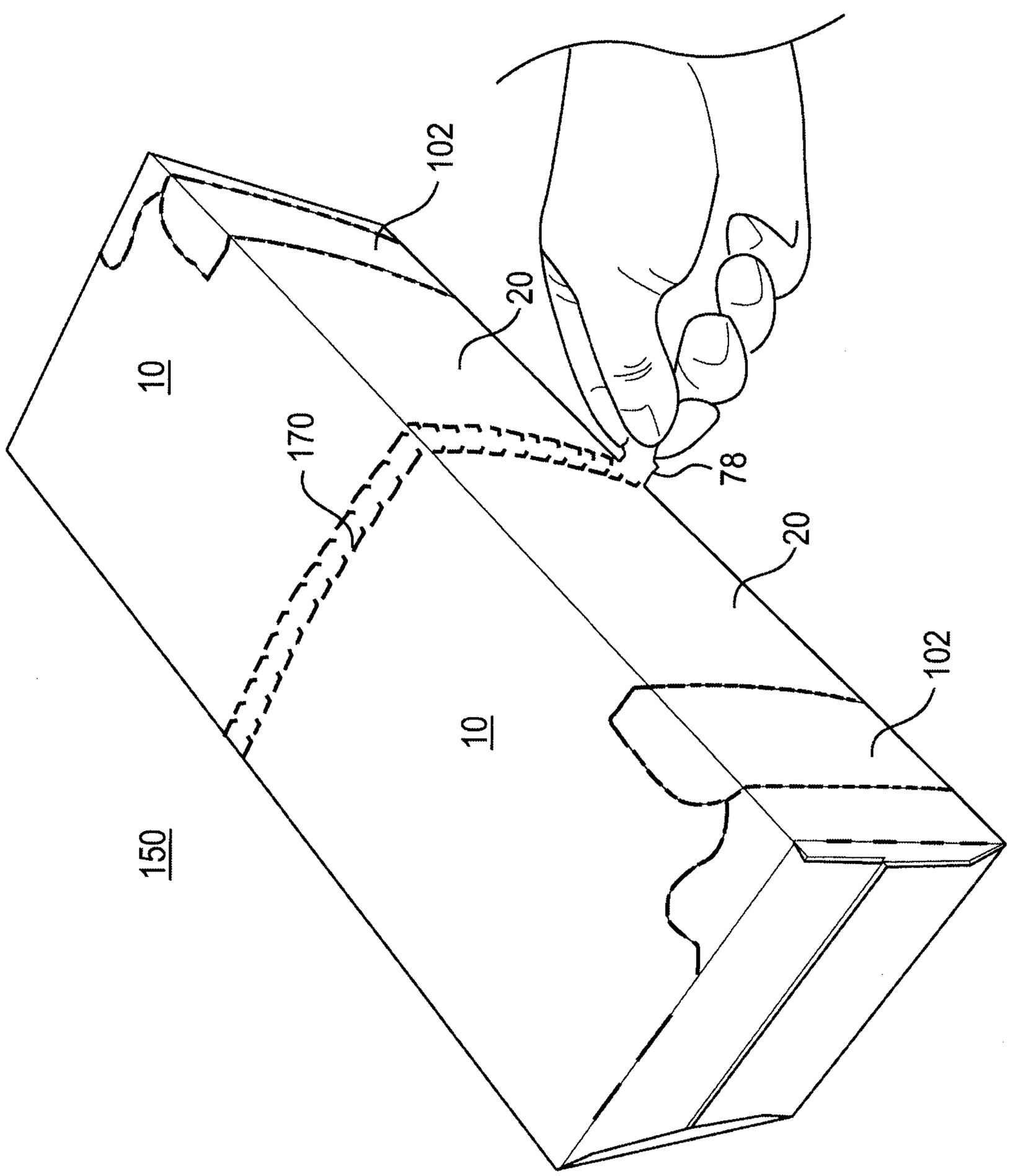


FIG. 3

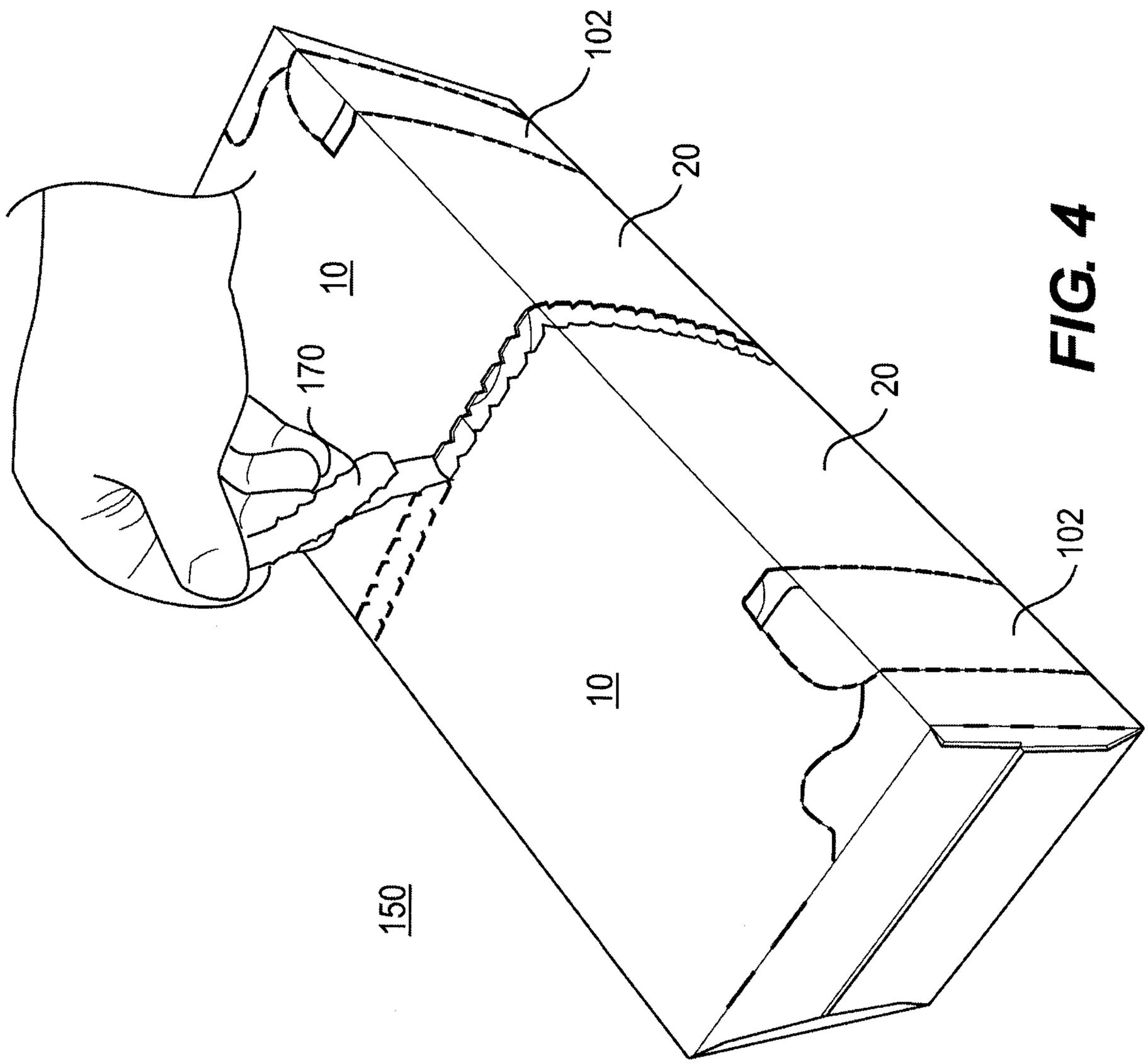


FIG. 4

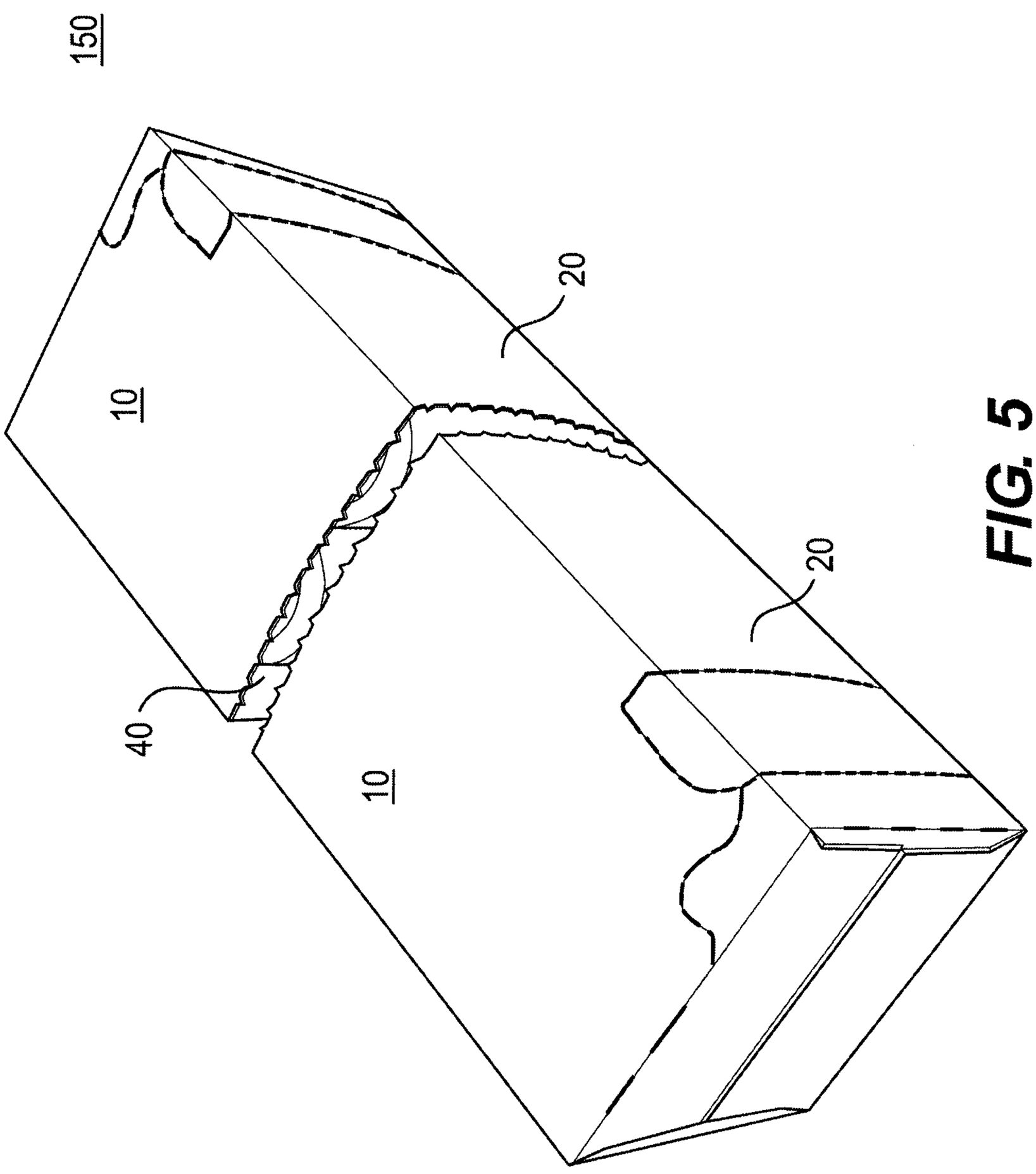


FIG. 5

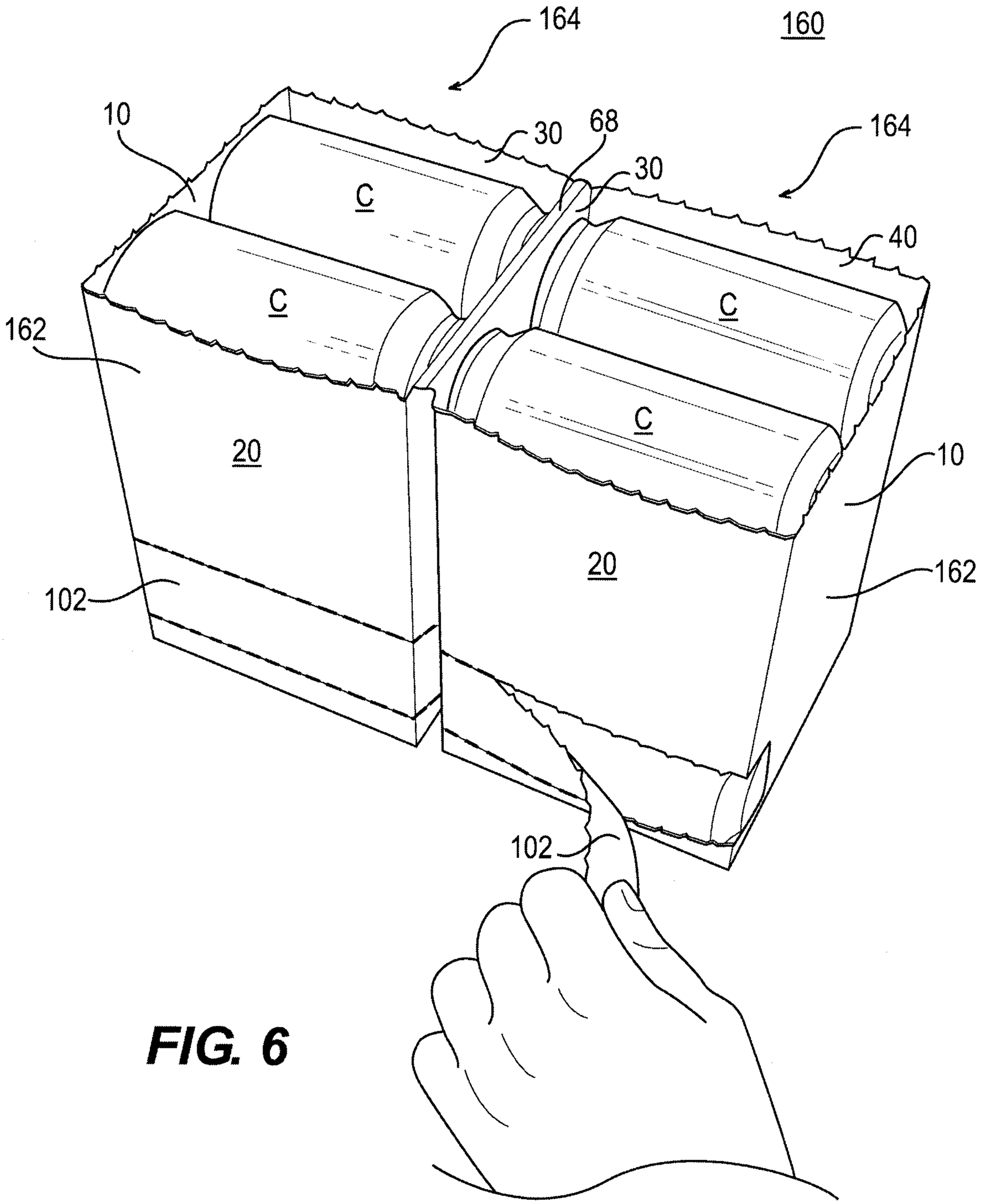
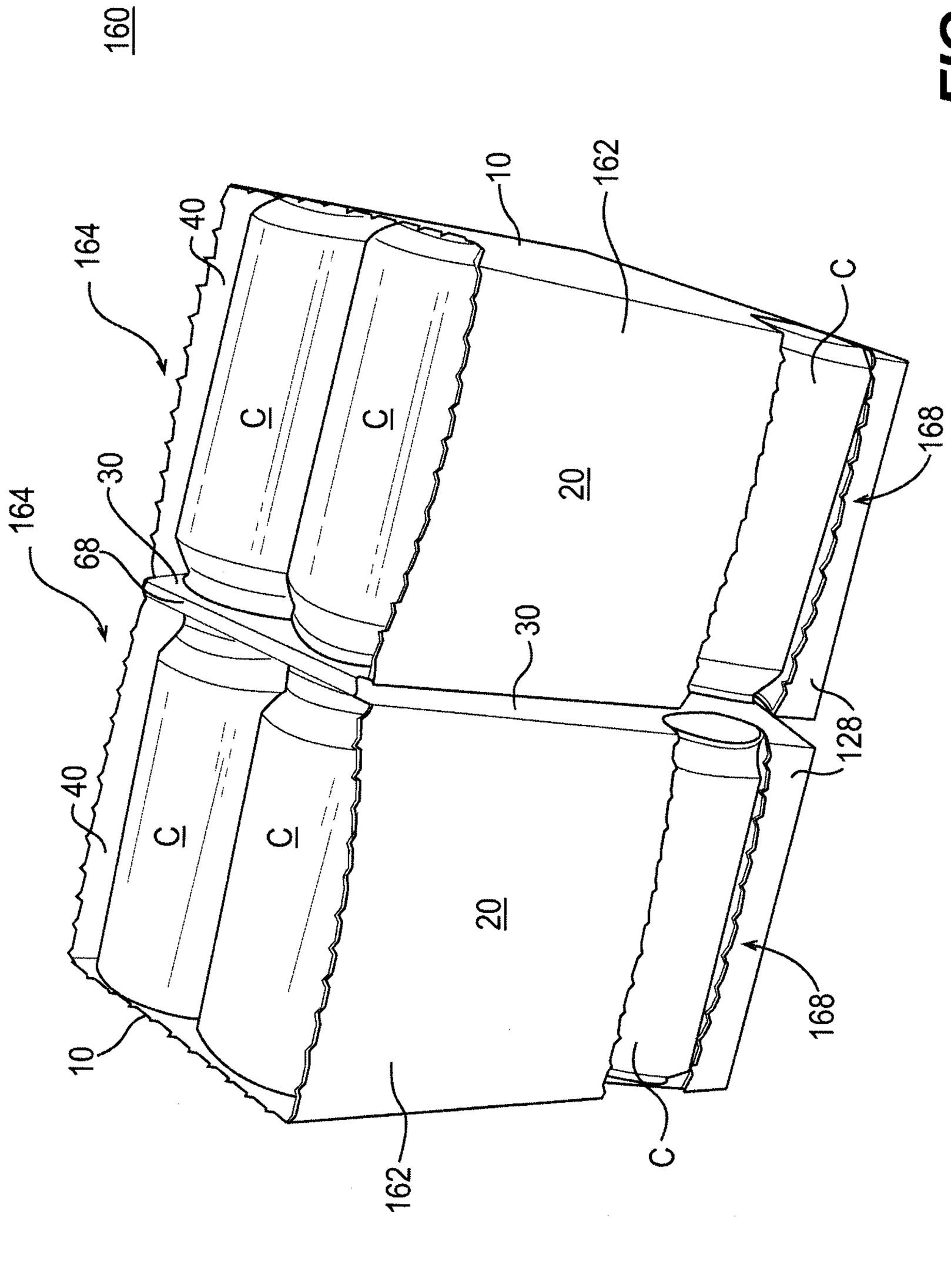
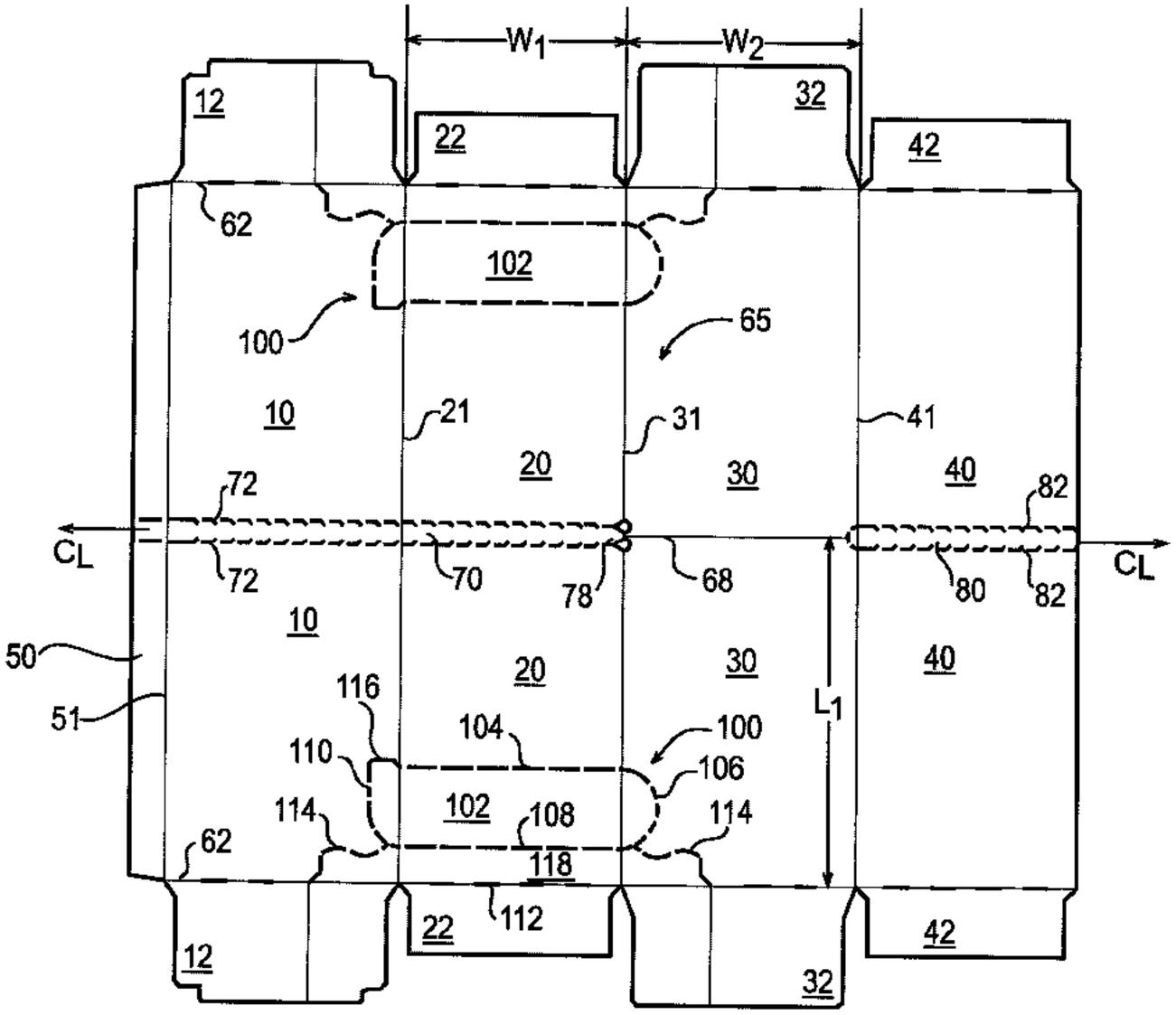


FIG. 6

FIG. 7

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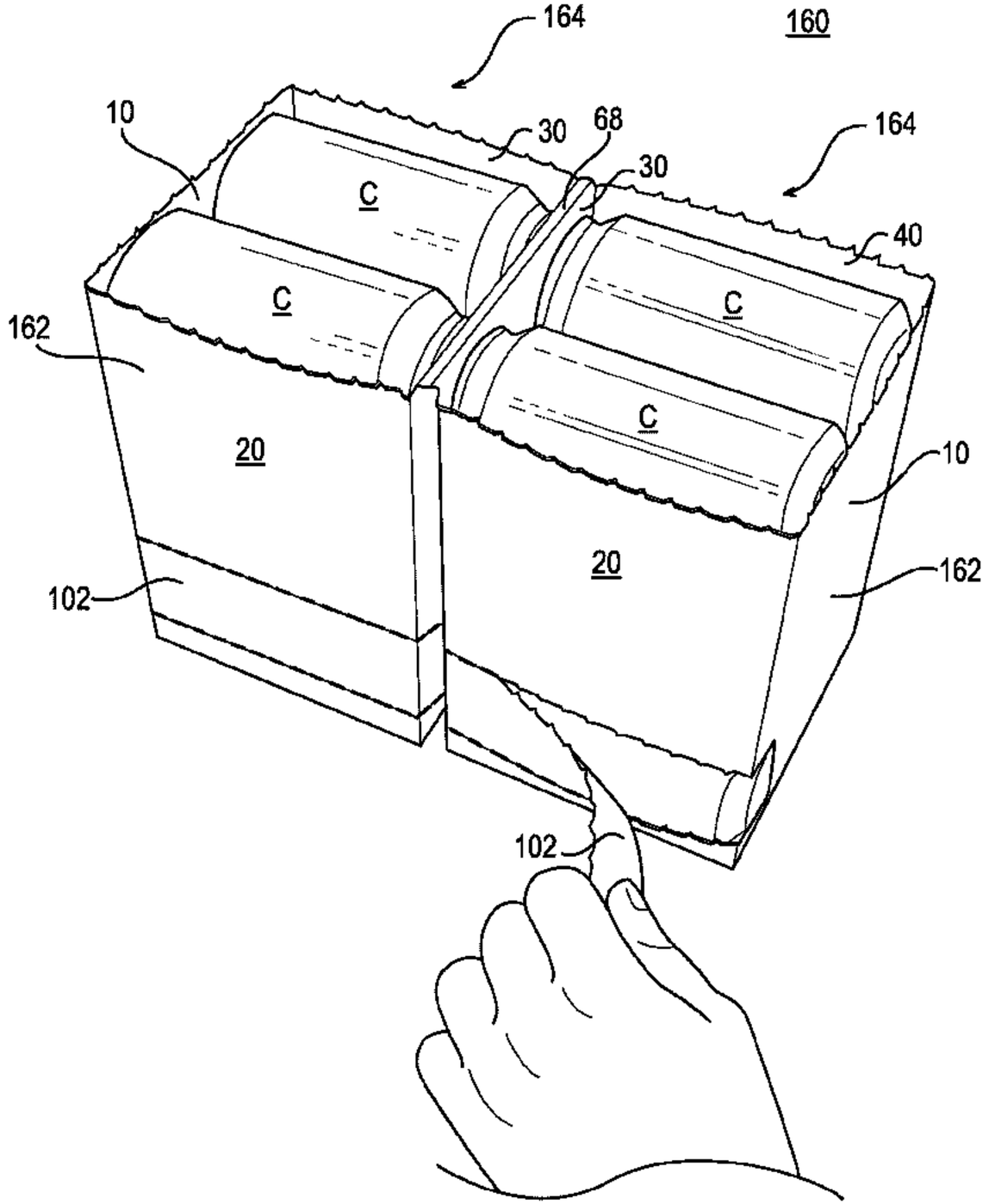
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