# United States Patent

[11] 3,581,933


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[45] Patented **June 1, 1971**



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[54] **BOTTLE CARRIER**
**24 Claims, 14 Drawing Figs.**


[52] **U.S. Cl.** ..... **220/113**
[51] **Int. Cl.** ..... **B65d 75/00**
[50] **Field of Search** ..... 220/111, 113, 115, 118; 229/27, 15



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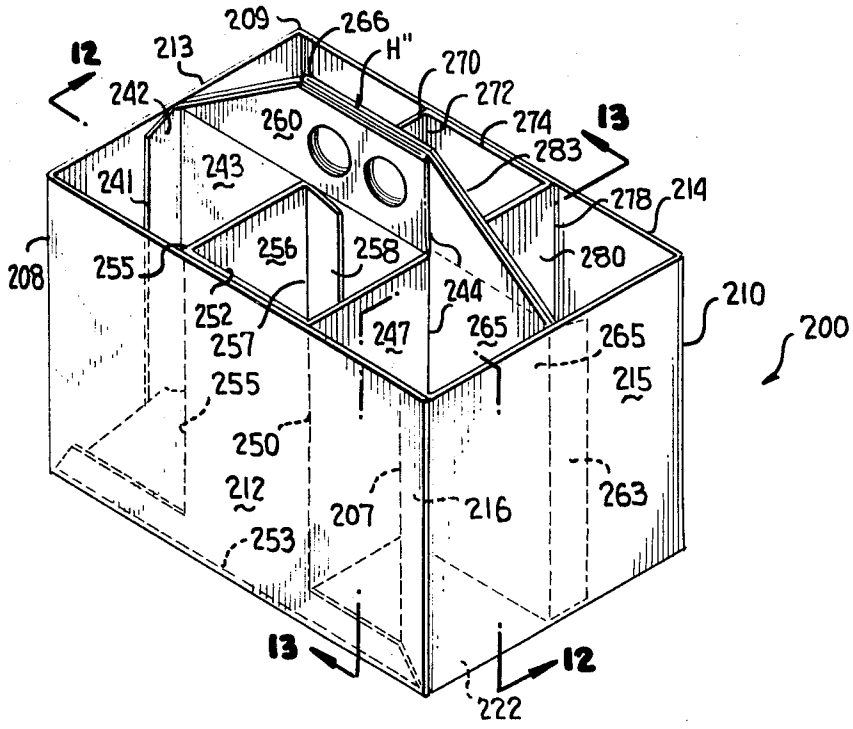
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*Attorney*—Diller, Brown, Ramik & Holt



**ABSTRACT:** This disclosure relates to a bottle carrier or carton which is formed of a composite blank formed of two or three separate pieces and a separate or integral carrying handle, the carrier including a partition setting off a plurality of article-receiving compartments, the partition including a partition wall defined by a pair of partition panels disposed along a longitudinal centerline of the carton, and portions of the partition panels defining an integral carrying handle or including a separate carrying handle connected between the partition panels.

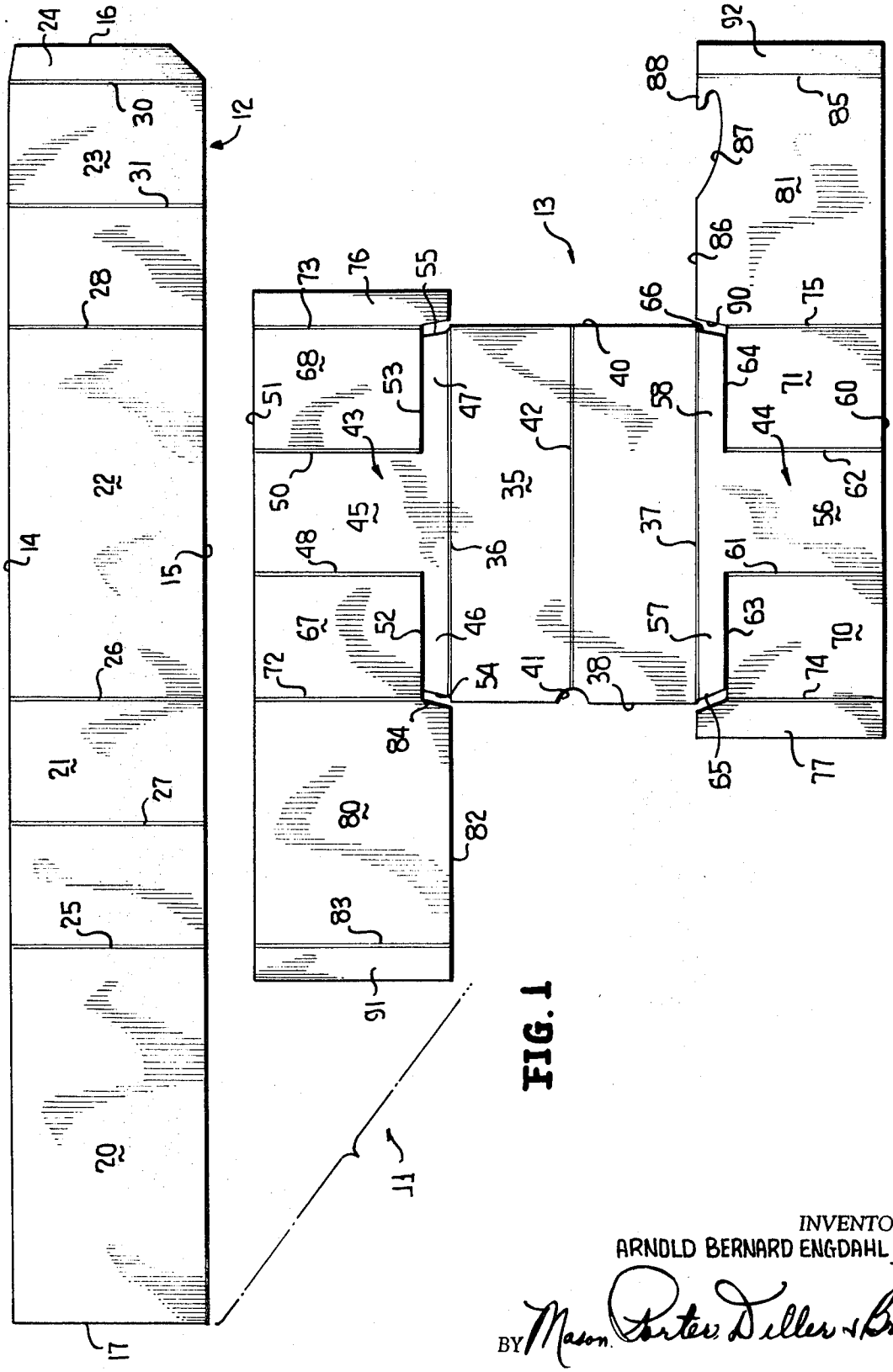



FIG. 1

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FIG.2

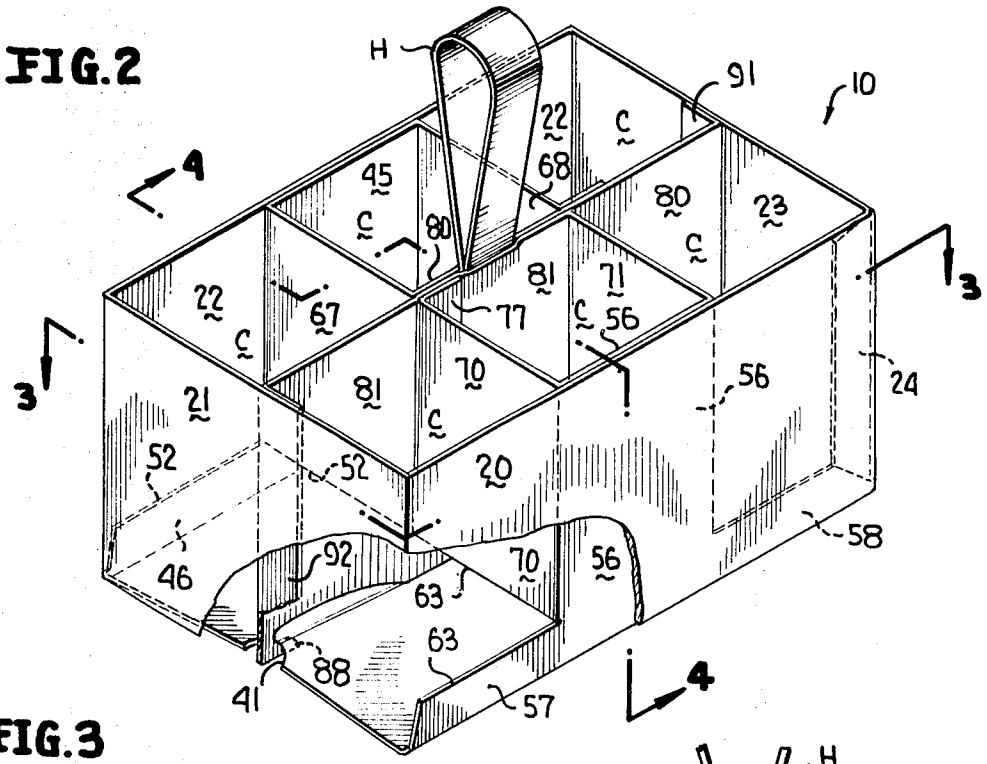



FIG.3

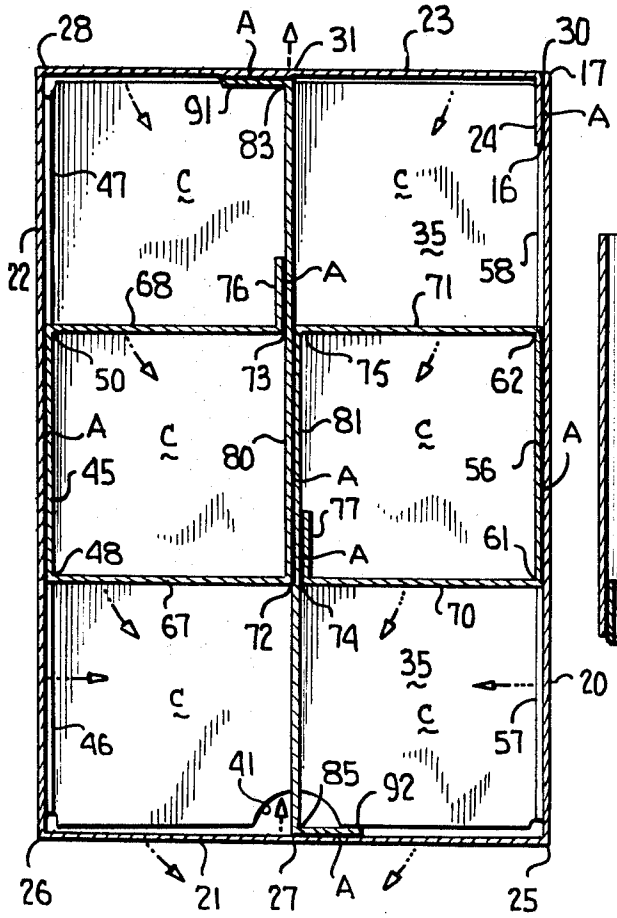
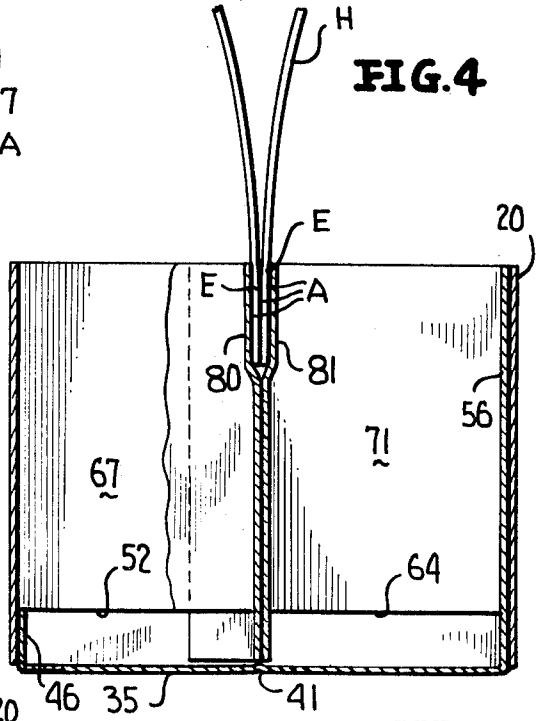



FIG.4




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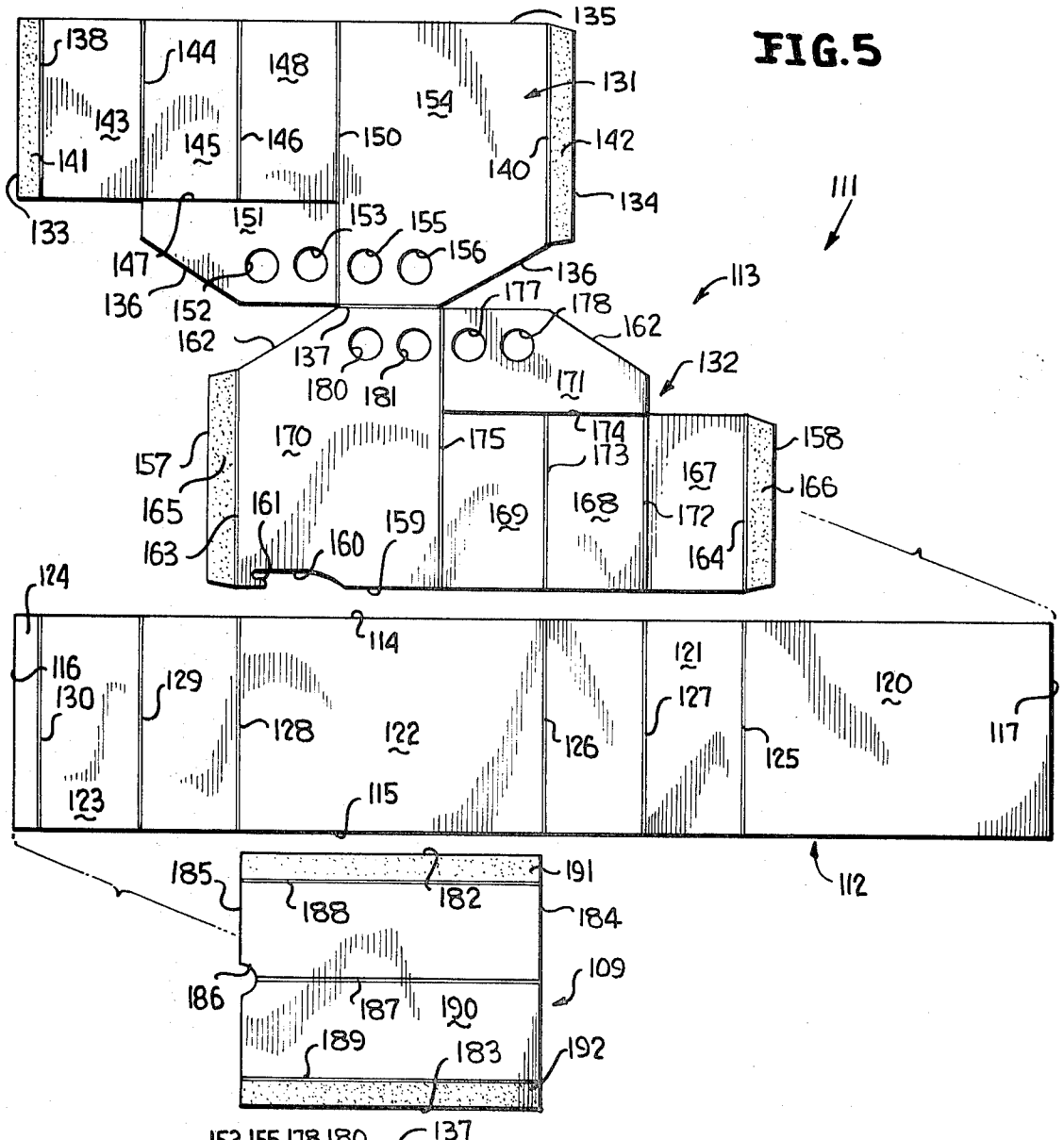



FIG.5

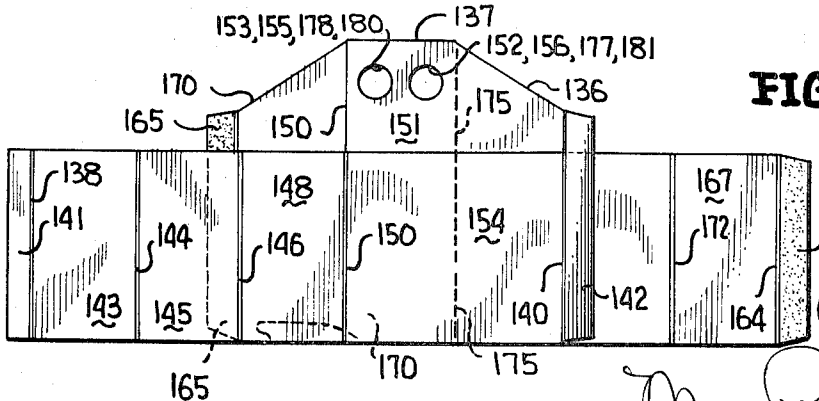



FIG.6

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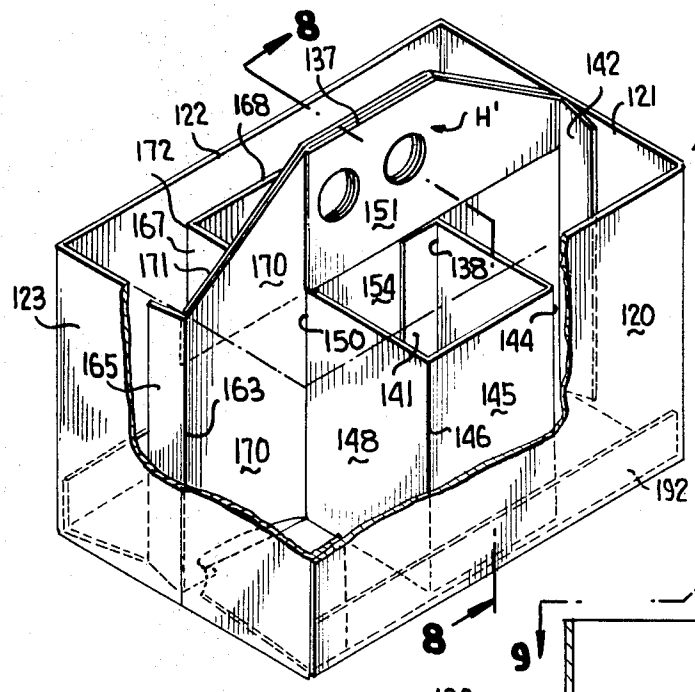



FIG.7

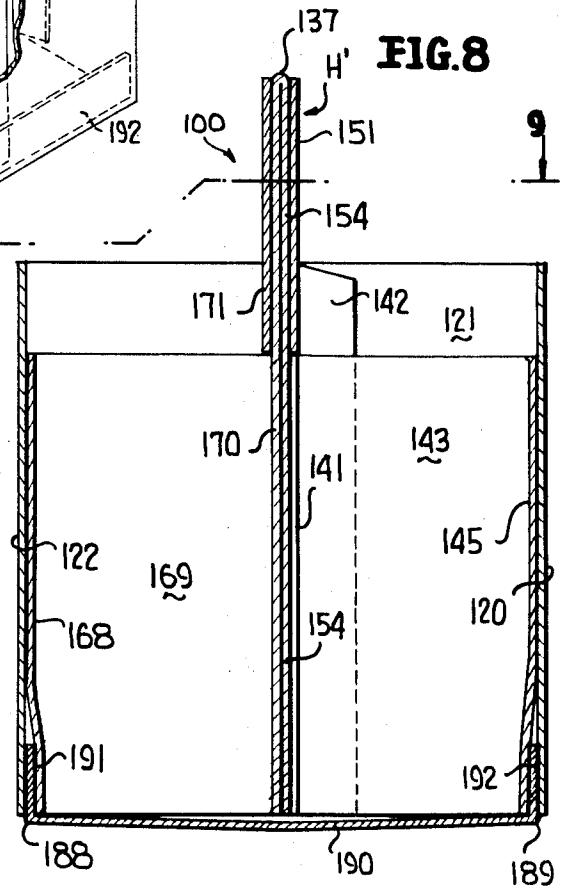



FIG.8

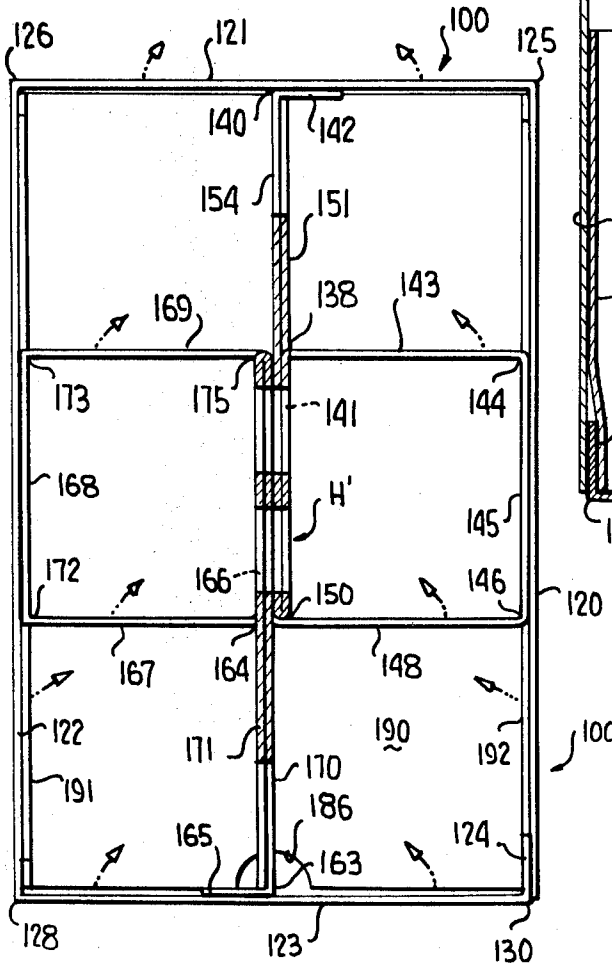



FIG.9

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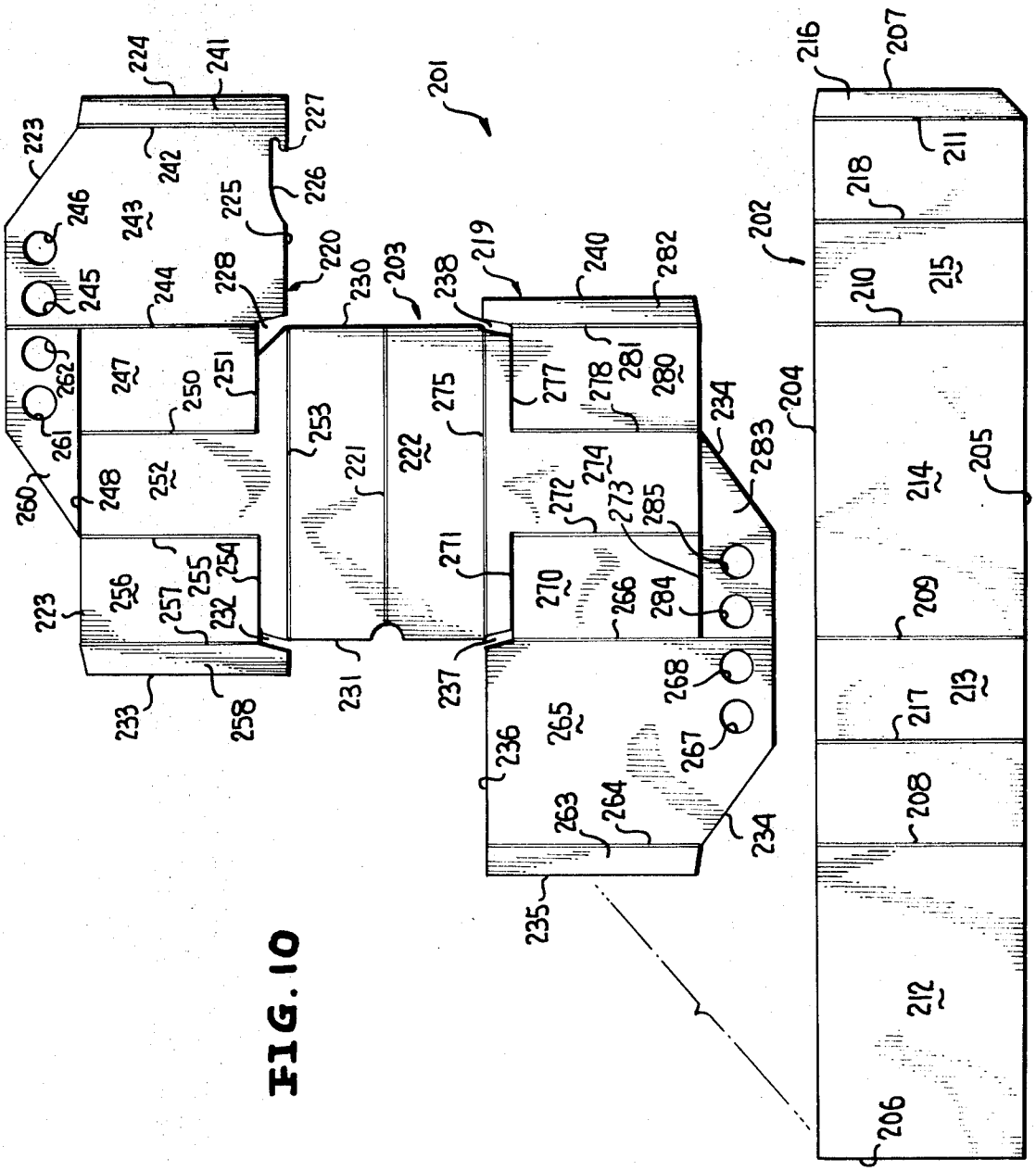



FIG. 10

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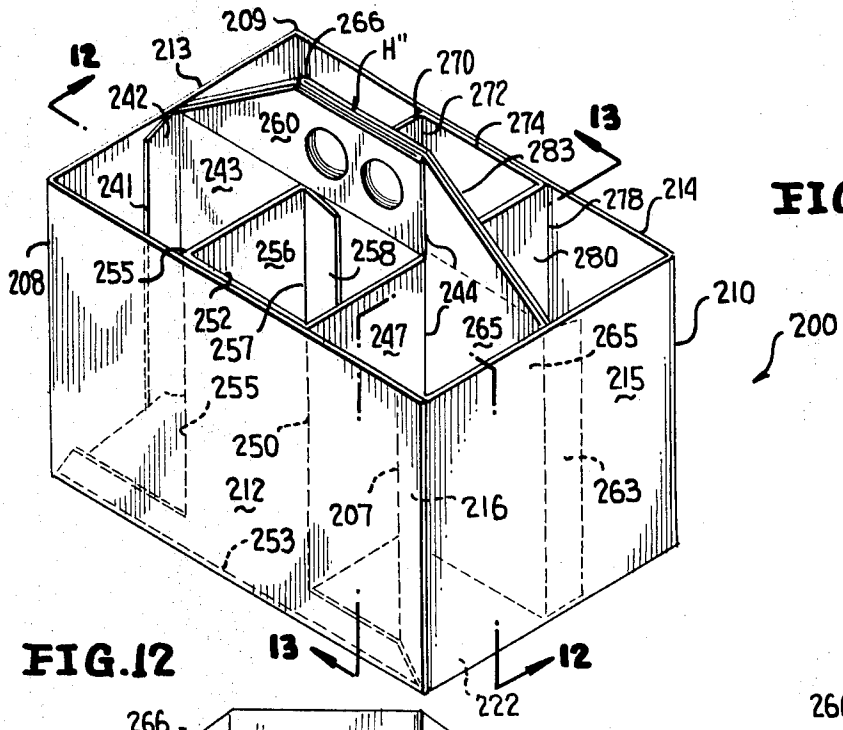



FIG.11

FIG.12

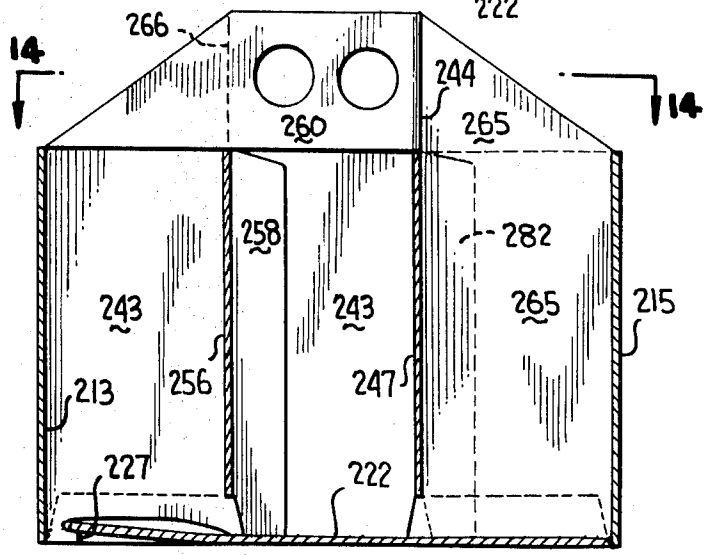
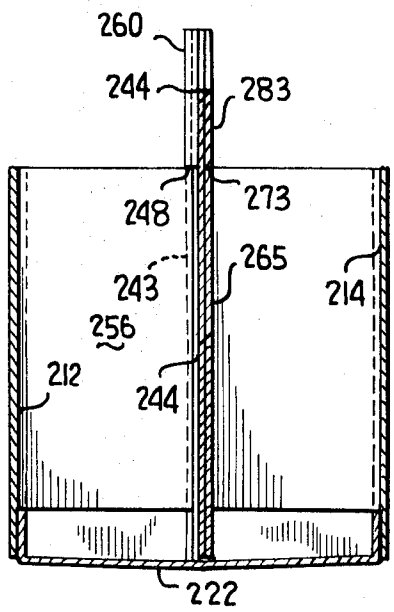



FIG.13



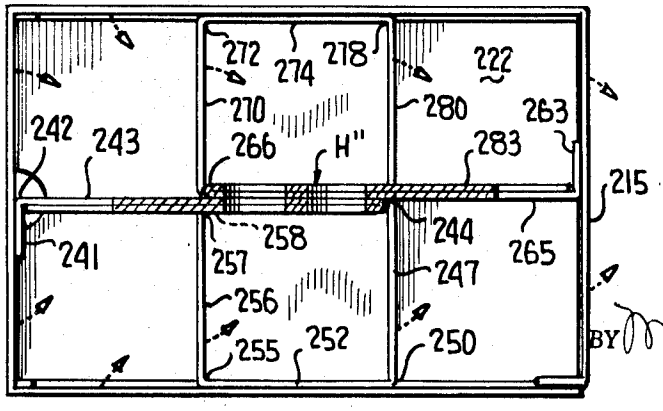




FIG.14

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# BOTTLE CARRIER

A primary object of this invention is to provide a novel wraparound carrier and particularly a partition therefor which when set up includes a longitudinal partition formed of two overlapped walls which in one embodiment of the invention include integral carrying handles while in another embodiment a separate carrying handle is sandwiched between and secured to a pair of longitudinal partition walls.

A further object of this invention is to provide a novel carton or carrier which includes a partition of the type heretofore described wherein a body of the carton is defined by a single one-piece blank which surrounds the partition and the partition is formed of another one-piece blank which includes a bottom wall.

A further object of this invention is to provide a novel carrier which includes a partition of the type heretofore described wherein a body and a bottom wall of the carton are each defined by a single one-piece blank while the partition is formed of another separate one-piece blank having two substantially identical blank halves joined to each other at handle-carrying portions of the partition.

A further object of this invention is to provide a novel carrier which includes a partition of the type heretofore described wherein a body of the carrier is defined by a single one-piece blank, and the partition is also formed by a single one-piece blank having a bottom wall joining two partition halves adjacent edges thereof remote from handle-carrying portions.

With the above and other objects in view that will hereinafter appear, the nature of the invention will be more clearly understood by reference to the detailed description, the appended claimed subject matter, and the several views illustrated in the accompanying drawings.

## IN THE DRAWINGS

FIG. 1 is a top plan view of a two-piece or composite blank from which one carrier of this invention is formed, and illustrates one blank for forming a body of the carrier and another blank for forming a partition and a bottom wall thereof.

FIG. 2 is a top perspective view of a carrier formed from the blank of FIG. 1, and illustrates a handle sandwiched between and secured to overlapped portions of a pair of partition panels or walls of the carrier.

FIG. 3 is a sectional view taken generally along line 3–3 of FIG. 2 and more clearly illustrates the manner in which the partition-forming blank of FIG. 1 is folded to form six article-receiving compartments of the carrier.

FIG. 4 is an enlarged sectional view taken generally along line 4–4 of FIG. 2 and illustrates the manner in which terminal ends of a separate carrying handle are sandwiched between and secured to overlapped portions of a pair of partition panels of the carrier.

FIG. 5 is a top plan view of a three-piece blank from which another carrier of this invention is formed, and illustrates one blank for forming a bottom wall of the carrier, another blank for forming a body of the carrier, and a third blank for forming a partition thereof.

FIG. 6 is a side elevational view of the partition-forming blank of FIG. 5, and illustrates a preliminary folding stage of the blank prior to being assembled to the bottom wall and body blanks.

FIG. 7 is a top perspective view of a carrier formed from the composite blank of FIGS. 5 and 6, and illustrates the manner in which the partition is set up and secured within the now tubular body blank.

FIG. 8 is an enlarged sectional view taken generally along line 8–8 of FIG. 7, and more clearly illustrates the manner in which a longitudinal partition of the carrier has portions folded upon itself to form a reinforced integral carrying handle.

FIG. 9 is an enlarged sectional view taken generally along line 9–9 of FIG. 8, and more clearly illustrates the manner in which the partition blank is folded to bring portions thereof into overlapped relationship to from the reinforced carrying handle.



FIG. 10 is a top plan view of another two-piece blank from which another carrier of this invention is formed, and illustrates one blank for forming a body of the carrier and another blank for forming a partition and a bottom wall thereof.

FIG. 11 is a top perspective view of a carrier formed from the composite blank of FIG. 10, and illustrates another integral reinforced carrying handle formed from overfolded portions of the partition blank.

FIG. 12 is a longitudinally foreshortened cross-sectional view taken generally along line 12–12 of FIG. 11, and illustrates the longitudinal partition and a pair of transverse partition or divider walls normal thereto.

FIG. 13 is a cross-sectional view taken generally along line 13–13 of FIG. 11, and more clearly illustrates the manner in which portions of the longitudinal partition are overfolded to form the reinforced carrying handle.

FIG. 14 is a cross-sectional view taken generally along line 14–14 of FIG. 12, and more clearly illustrates the overfolded portions of the partition which forms the reinforced carrying handle.

A novel carton or carrier 10 (FIGS. 2 through 4) constructed in accordance with this invention is formed from a composite blank which is generally designated by the reference numeral 11 (FIG. 1). The composite blank 11 includes a body-forming blank 12 and a partition-forming blank 13, each of which is preferably constructed from paper stock or similar foldable sheet material.

The body-forming blank 12 includes a pair of generally parallel longitudinal edges 14, 15 and transverse edges 16, 17 which impart a generally rectangular configuration to the blank 12. Within the confines of the edges 14 through 17 is a side panel or wall 20, an end panel or wall 21, another side panel or wall 22, another end panel or wall 23, and a connecting flap 24.

The sidewall 20 of the blank 12 is set off by the transverse edge 17, portions of the longitudinal edges 14, 15 and a fold line 25. The end wall 21 is similarly set off by portions of the longitudinal edges 14, 15, the fold line 25, and another fold line 26. The end wall 21 is further provided with another fold line 27 which is positioned generally midway between and parallel to the fold lines 25, 26.

The sidewall 22 is defined by portions of the longitudinal edges 14, 15, the fold line 26 and another fold line 28.

The end wall 23 is likewise set off by portions of the longitudinal edges 14, 15, the fold line 28, and another fold line 30. A fold line 31 is positioned generally medially of the fold lines 28, 30 and in substantially parallel relationship thereto.

The securing flap 24 is defined by the fold line 30, the transverse edge 16, and converging edge portions (unnumbered) of the respective longitudinal edges 14, 15. The flap 24 is appropriately provided with adhesive for securing the latter to the inside surface of the sidewall 20 adjacent the transverse edge 17 in the manner best illustrated in FIG. 3 of the drawings.

The partition-forming blank 13 is of a generally straight-line Z-shaped configuration, and includes a bottom wall 35 defined by a pair of longitudinal fold lines 36, 37 and a pair of transverse edges 38, 40. The transverse edge 38 includes a semicircular notch 41 which functions to lock the partition 13 in its erected form, in a manner which will be described more fully hereinafter. A fold line 42 is also positioned along the longitudinal centerline of the bottom wall 35 in parallel relationship to the longitudinal fold lines 36, 37. The fold line 42 functions to permit the carton 10 to be folded to a flat condition for purposes of shipment and/or storage.

Side panels 43, 44 are joined to the bottom wall 35 along the respective fold lines 36, 37. The side panels 43, 44 are of generally inverted T-shaped configuration and T-shaped configuration, respectively, as viewed in in FIG. 1.

The side panel 43 includes a base portion 45 and a pair of arms 46, 47. The base portion 45 is defined by a pair of fold

lines 48, 50, a portion of longitudinal edge 51 and an imaginary line coincident with a pair of cut lines 52, 53. The arm portions 46, 47 are collectively set off by the cut lines 52, 53, an imaginary line coincident therebetween, a pair of transverse edges 54, 55 and the fold line 36.

The side panel 44 likewise includes a base portion 56 and a pair of arm portions 57, 58. The base portion 56 is defined by a portion of a longitudinal edge 60, a pair of generally parallel fold lines 61, 62 and an imaginary line coincident to a pair of cut lines 63, 64. The arm portions 57, 58 are collectively defined by the cut lines 63, 64, an imaginary line coincident thereto, a pair of transverse edges 65, 66 and the fold line 37.

A pair of transverse divider panels 67, 68 and 70, 71 are joined to the respective side panels 43, 44 along the fold lines 48, 50, 61 and 62, respectively.

The transverse divider panel 67 is set off by the fold line 48, the cut line 52, a portion of the longitudinal edge 51, and a fold line 72.

The transverse divider panel 68 is set off by the fold line 50, the cut line 53, a portion of the longitudinal edge 51, and a fold line 73.

The transverse partition panel 70 is set off by the fold line 61, the cut line 63, a portion of the longitudinal edge 60 and a fold line 74.

The transverse divider panel 71 is set off by the cut line 64, the fold line 72, a portion of the longitudinal edge 70, and a fold line 75.

A securing flap 76, 77 is secured by the respective fold lines 73, 74 to the respective transverse divider panels 68, 70.

Partition panels 80, 81 are secured to the respective transverse divider panels 67, 71 by the respective fold lines 72, 75. The partition panel 80 is set off by a portion of the longitudinal edge 51, an opposite parallel longitudinal edge 82, a transverse fold line 83, the fold line 72, and an edge 84 which extends between the longitudinal edge 82 and the fold line 72. The partition panel 81 is similarly set off by a portion of the longitudinal edge 60, the fold line 75, a fold line 85, an opposite longitudinal edge 86 which includes a contoured portion 87 defining a locking nose 88, and an edge 90 extending between the longitudinal edge 86 and the fold line 75.

A securing flap 91, 92 is joined to the respective partition panels 80, 81 by the respective fold lines 83, 85.

Reference is now made to FIGS. 2 through 4 of the drawings which illustrate the composite blank 11 after having been set up and assembled together to form the carton 10.

As was heretofore noted, the body-forming blank 12 is folded along the fold lines 25, 26 28 and 30 to the generally rectangular configuration best illustrated in FIG. 3 of the drawings with the flap 24 being secured by adhesive A to the sidewall 20 adjacent the transverse edge 17.

Prior to the assembly of the blanks 12, 13, the partition-forming blank 13 is set up by folding the side panels 43, 44 along the fold lines 36, 37, respectively, to a position normal to the bottom wall 35. The transverse divider panels 67, 68, 70 and 71 are then folded along the fold lines 48, 50, 61 and 62, as shown in FIG. 3. The partition panels 80, 81 are then folded about the respective fold lines 72, 75 in oppositely directed directions toward the respective end panels 23, 21, at which time the securing flaps 76, 77 are adhesively secured by adhesive A to the respective partition panels 80, 81, as is best illustrated in FIG. 3. Thereafter terminal ends E of a carrying handle H are inserted between the central side-by-side portions of the partition panels 80, 81. Suitable adhesive A is disposed between the ends of the carrying handle H and between each of the ends E and the associated panels 80, 81, as shown in FIG. 4, to secure the carrying handle H in the position shown in FIGS. 2 and 4, as well as to secure the partition panels 80, 81 to each other. The carrying handle H is preferably constructed from polymeric or copolymeric plastic material, although the handle H may be constructed from any type of bendable sheet material such as cloth, paper, etc.

After being thus assembled the body 12 and the partition 13 are assembled as shown in FIG. 3 with the base portions 45, 56 being adhesively secured to the sidewalls 22, 20, respectively, and the securing flaps 91, 92 being secured to the respective end walls 23, 21. The nose 88 is interlocked with the notch 41, as best shown in FIG. 2, to maintain the carton 10 in its setup condition at which time bottles, cans or similar articles can be positioned in each of six compartments C.

The carton 10 can be stored and/or shipped in a flattened condition by disengaging the nose 88 and pressing the side walls 20, 22 toward each other. When this is done, the various walls and panels begin folding and collapsing in the direction of the unnumbered headed arrows in FIG. 3 until the carton 10 is relatively flat, it being noted that the end walls 21, 23 fold about the respective fold lines 27, 31 while the bottom wall 35 folds upon itself along the fold line 42.

Another novel carton or carrier 100 (FIGS. 7 through 9) constructed in further keeping with this invention is formed from a composite blank which is generally designated by the reference numeral 111 (FIG. 5). The composite blank 111 includes a bottom wall-forming blank 109, a body-forming blank 112, and a partition-forming blank 113, each of which is preferably constructed from paper stock, plastic or similar foldable sheet material.

The body-forming blank 112 includes a pair of generally parallel longitudinal edges 114, 115 and transverse edges 116, 117 which impart a generally rectangular configuration to the blank 112. Within the confines of the edges 114 through 117 is a side panel or wall 120, an end panel or wall 121, another side panel or wall 122, another end panel or wall 123, and a connecting flap 124.

The sidewall 120 of the blank 112 is set off by the transverse edge 117, portions of the longitudinal edges 114, 115, and a fold line 125. The end wall 121 is similarly set off by portions of the longitudinal edges 114, 115, the fold line 125, and another fold line 126. The end wall 121 is further provided with another fold line 127 which is positioned generally midway between and parallel to the fold lines 125, 126.

The sidewall 122 is defined by portions of the longitudinal edges 114, 115, the fold line 126 and another fold line 128.

The end wall 123 is likewise set off by portions of the longitudinal edges 114, 115, the fold line 128 and another fold line 130. A fold line 129 is positioned generally medially of the fold lines 128, 130 and is in substantially parallel relationship thereto.

The securing flap 124 is defined by the fold line 130, the transverse edge 116, and portions of the longitudinal edges 114, 115. The flap 124 is appropriately provided with adhesive for securing the latter to the inside surface of the sidewall 120 adjacent the transverse edge 117 in the manner best illustrated in FIG. 7 of the drawings.

The partition-forming blank 113 of a generally Z-shaped configuration, and includes two generally identical partition halves 131, 132.

The partition half 131 is set off between a pair of transverse edges 133, 134, a longitudinal edge 135, and an opposite longitudinal edge 136 which includes a fold line 137.

A pair of generally parallel transverse fold lines 138, 140 cooperate with the transverse edges 133, 134, to set off adhesively coated securing flaps 141, 142.

A transverse partition panel 143 is set off by portions of the edges 135, 136, the transverse fold line 138, and a parallel transverse fold line 144.

Adjacent the transverse partition panel 143 is a connecting panel 145 which is set off by the transverse fold line 144, a transverse fold line 146, a portion of the longitudinal edge 135, and a portion of a cut line 147. The connecting panel 145 joins the transverse partition panel 143 to another transverse partition panel 148 which is set off by the longitudinal edge 135, the fold line 146, a portion of the cut line 147, and a portion of another transverse fold line 150 which extends between the edge 135 and the fold line 137.

To the left of the fold line 150 as viewed in FIG. 5 is a carrying handle-forming panel 151 having a pair of finger-receiving apertures 152, 153. The panel 151 is set off by a portion of the

fold line **150**, the cut line **147** and a portion of the longitudinal edge **136** to the left of the fold line **137**. The panel **151** is folded in a manner to be described hereinafter to form a reinforced carrying handle H' (FIGS. 7 and 8). A partition-forming panel **154** is set off between the fold lines **140**, **150**, the longitudinal edge **135**, the fold line **137**, and the portion of the longitudinal edge **137** to the right of the fold line **136**. The portion (unnumbered) of the panel **154** adjacent the fold line **137** additionally functions to form a portion of the handle H' and is therefore provided with finger-receiving openings **155**, **156**. It is also to be noted that the distance between the fold lines **140**, **150** is less than the longitudinal length of the carrier **100**, as in the case of the panels **80**, **81** of the carrier **10** (FIG. 2).

The other partition half **132** is similarly set off by a pair of transverse edges **157**, **158**, a longitudinal edge **159** which is interrupted by a relieved area **160** to form a nose **161**, and a longitudinal edge **162** interrupted by the fold line **137** which, of course, integrally joins the partition halves **131**, **132** to each other.

A pair of remote transverse fold lines **163**, **164** cooperate with the adjacent transverse edges **157**, **158** to define adhesively coated securing flaps **165**, **166**.

Just as in the case of the panel half **131**, the panel half **132** includes a transverse partition panel **167**, a connecting panel **168**, another transverse partition panel **169**, a partition panel **170**, and a carrying handle-forming panel **171**.

The transverse partition panel **167** is set off by the transverse fold line **164**, portions of the longitudinal edges **159**, **162**, and a transverse fold line **172** which is parallel to the fold line **164**.

The connecting panel **168** is likewise set off by a portion of the longitudinal edge **159**, the fold line **172**, a transverse fold line **173**, and a portion of a cut line **174**.

The transverse partition panel **169** is set off by a portion of the longitudinal edge **159**, the transverse fold line **173**, a portion of the cut line **174**, and a fold line **175** which extends between the longitudinal edge **159** and the longitudinal edge **162** adjacent the fold line **137**.

The fold line **175** joins the carrying handle-forming panel **171** to the partition panel **170**, and the former is defined by the latter-noted fold line, a portion of the edge **162** to the right thereof as viewed in FIG. 5, and the cut line **174**. The panel **171** further includes finger-receiving openings **177**, **178**.

The partition panel **170** is set off between the fold lines **163**, **175**, a portion of the longitudinal edge **159**, the fold line **137** and the portion of the longitudinal edge **162** to the left thereof. Just as in the case of the partition half **131**, the partition panel **170** includes a pair of apertures **180**, **181** in a carrying handle-forming panel portion (unnumbered) of the panel **170**.

The bottom panel **109** (FIG. 5) is of a generally rectangular configuration and is set off by a pair of longitudinal edges **182**, **183** and transverse edges **184**, **185**, the latter of which includes a notch **186** adjacent one end of a fold line **187** which is parallel to and medially of the edges **182**, **183**. Fold lines **188**, **189** in conjunction with portions of the edges **184**, **185** define a bottom panel **190** along longitudinal edges of which adjacent the fold lines **188**, **189** are disposed adhesively coated securing flaps **191**, **192**.

The blanks **109**, **112** and **113** are set up and assembled together in the following manner to form the carrier **100** of FIGS. 7 through 9:

The partition half **131** is folded upon the partition half **132** about the fold line **137**, as shown in FIG. 6. This folding brings the apertures **155**, **180** and **156**, **181** into alignment. The panel **151** is then folded forwardly about the fold line **150** to bring an adhesive coated surface thereof into contact with the panel **154** with the apertures **152**, **153** in alignment with the respective apertures **155**, **180** and **156**, **181**. The panel **171** is likewise folded rearwardly about the fold line **175** to bring the panel **171** into overlying adhesive contact with the panel **170**, bringing the apertures **177**, **178** in alignment with the associated apertures, as shown in in FIG. 6. The handle H' is thereby formed from the upper portions of both panels **154**, **170** and the reinforcing panels **151**, **171**, as shown best in FIGS. 8 and 9 of the drawings.

From the position illustrated in FIG. 6 the panel half **131** is further folded forwardly about the fold lines **138**, **144**, **146** and **150** to bring the fold line **138** into generally coincident relationship to the fold line **175** with the adhesive on the flap **141** contacting the panel **154** to the left of the fold line **175**, as is best illustrated in FIGS. 7 and 9 of the drawings. This forms three article-receiving compartments to the right of a longitudinal centerline of the carrier, as viewed in FIG. 9, with the transverse partition panels **143**, **148** in generally parallel relationship.

The partition half **132** is likewise folded rearwardly about the fold lines **164**, **172**, **173** and **175** to bring the fold line **164** generally coincident to **150** with the flap **166** against the panel **170**. This disposes the panels **167**, **169** in parallel relationship and forms three article-receiving compartments to the left of the longitudinal centerline of the carrier, again as viewed in FIG. 9.

The body-forming blank **112** is then folded to a generally rectangular configuration with the flap **124** (FIG. 9) being adhesively secured to the side panel **120** adjacent the transverse edge **117**. The body-forming blank **112** is then adhesively secured to the partition **113** in external relationship thereto by securing the flaps **142**, **165** of the partition **113** to the end panels **121**, **123**, respectively, and the connecting panels **145**, **168** of the partition to inner surfaces of the respective sidewalls **120**, **122**.

In order to complete the assembly of the carrier **100** it is then necessary merely to direct the flaps **191**, **192** upwardly about the adjacent fold lines and secure these flaps to the lower edges of the sidewalls **122**, **120**. Upon hooking the nose **161** in the notch **186** of the bottom panel **190**, the carrier **100** will be maintained in its erected position but will fold to a collapsed position in the direction of the unnumbered headed arrows in FIG. 9 for purposes of storage and/or shipment.

Reference is now made to FIGS. **10** through **14** of the drawings which illustrate a composite blank **201** (FIG. **10**) from which is formed a carrier **200** upon the setting up and assembly of a body-forming blank **202** and a partition-forming blank **203**.

The body-forming blank **202** is similar to the body-forming blanks **12**, **112** and includes a pair of longitudinal edges **204**, **205** and transverse edges **206**, **207** imparting a generally rectangular configuration to the blank **202**. A plurality of transverse fold lines **208** through **211** cooperate with associated edges to define a side panel **212**, an end panel **213**, another side panel **214**, another end panel **215**, and a securing flap **216**.

The side panel **212** is set off by the transverse edge **206**, portions of the longitudinal edges **204**, **205**, and the transverse fold line **208**.

The end panel **213** is set off by portions of the longitudinal edges **204**, **205** and the transverse fold lines **208**, **209**. The end panel **213** includes a medial fold line **217** for facilitating the collapsing of the carrier **200** in a conventional manner.

The side panel **214** is set off by portions of the longitudinal edges **204**, **205** and the transverse fold lines **209**, **210**.

The end panel **215** is set off by portions of the longitudinal edges **204**, **205** and the transverse fold lines **210**, **211**. The end panel **215** includes a medial fold line **218** for facilitating the collapsing of the carrier **200**.

The securing flap **216** is set off between portions of the longitudinal edges **204**, **205**, the transverse edge **207**, and the transverse fold line **211**. The flap **216** is suitably provided with adhesive for securing the flap to the side panel **212** adjacent the transverse edge **206** to impart the tubular configuration of the carrier **200** best shown in FIGS. **11** and **14** of the drawings.

The partition-forming blank **203** includes two generally identical partition halves **220**, **219** which for purposes of discussion will be considered to be joined to each other along a fold line **221** of a bottom-forming panel **222**.

The partition half **220** is set off by an upper longitudinal edge **223**, a transverse edge **224**, a lower longitudinal edge **225** having a relieved area **226** which defines a latching nose **227**, a recess **228**, a transverse edge **230**, the fold line **221**, another transverse edge **231**, a recess **232**, and a transverse edge **233**.

The partition half **219** is likewise set off by an longitudinal edge **234**, a transverse edge **235**, a longitudinal edge **236**, a recess **237**, a portion of the transverse edge **231**, the fold line **221**, a portion of the transverse edge **230**, a recess **238**, and another transverse edge **240**.

The partition half **220** includes a securing flap **241** set off by a portion of the longitudinal edge **223**, the transverse edge **224**, a portion of the longitudinal edge **225**, and a transverse fold line **242**. The securing panel or flap **241** is suitably provided with an adhesive for securement to the body-forming blank **202** in a manner to be described hereafter.

A partition-forming panel **243** is positioned adjacent the flap **241** and is defined by the fold line **242**, the longitudinal edges **223**, **225**, a portion of the recess **228**, and a fold line **244** which is parallel to the fold line **242**. An upper portion (unnumbered) of the partition panel **243** is provided with a pair of finger-receiving openings **245**, **246**.

A transverse partition panel **247** is joined to the partition panel **243** along the fold line **244**, and is set off by a portion of the fold line **244**, a portion of a cut line **248**, a fold line **250**, a cut line **251** and an innermost edge (unnumbered) of the recess **228**.

A generally inverted T-shape connecting panel **252** is joined to the panel **247** along the fold line **250** and is set off by the fold line **250**, the cut line **251**, a portion of the transverse edge **230** adjacent the recess **228**, a fold line **253** parallel to the fold line **221**, an edge of the recess **232**, a cut line **254**, a fold line **255**, and a portion of the cut line **248**. The panel **252** connects the transverse panel **247** to another transverse partition panel **256** which is set off by the fold line **255**, the cut line **254**, a portion of the recess **232**, a fold line **257**, and a portion of the longitudinal edge **223**.

A securing flap **258** provided with adhesive is joined to the transverse partition panel **256** along the fold line **257** and is adapted to be secured to the panel **243** in a manner to be described hereafter.

A carrying handle reinforcing panel **260** is joined to the panel **243** along a portion of the fold line **244** and is set off by the longitudinal edge **223**, the cut line **248** and a portion of the fold line **244**. The panel **260** includes finger-receiving openings **261**, **262** which are adapted to be positioned in alignment with the respective finger-receiving openings **246**, **245**.

The partition half **219** includes a securing panel **263** disposed to the left of a fold line **264**, as viewed in FIG. **10**. Suitable adhesive is adapted to be applied to the panel **263** for securement to the body-forming blank **202**, in a manner to be described hereafter.

A longitudinal partition panel **265** is joined to the flap **263** along the fold line **264** and is set off by the fold line **264**, the edge **236**, an edge portion (unnumbered) of the recess **237**, a transverse fold line **266**, and the edge **234**. A portion (unnumbered) of the panel **265** adjacent the edge **234** is provided with finger-receiving openings **267**, **268**. A transverse partition panel **270** is joined to the panel **265** along a fold line **266** and is set off by the fold line **266**, an edge portion of the recess **237**, a cut line **271**, a fold line **272**, and a cut line **273**.

A generally T-shaped connecting panel **274** is joined to the transverse partition panel **270** along the fold line **272**, and is set off by the fold line **272**, the cut line **271**, an edge of the recess **237**, a fold line **275** parallel to the fold line **221**, a portion of the recess **237**, a cut line **277**, a fold line **278**, and a portion of the cut line **273**.

Another transverse partition panel **280** is joined to the connecting panel **274** along the fold line **278**, and is set off by the fold line **278**, the cut line **277**, a portion of the recess **238**, a fold line **281**, and a portion of the longitudinal edge **234**.

A securing flap **282** provided with suitable adhesive is joined to the transverse partition panel **280** along the fold line **281**.

A carrying handle reinforcing panel **283** is joined to the longitudinal partition panel **265** along the fold line **266** and is set off by a portion of the fold line **266**, the cut line **273** and a portion of the edge **234**. The panel **283** includes a pair of finger-receiving openings **284**, **285**.

The carrier **200** of FIGS. **11** through **14** is set up from the blanks of FIG. **10** by folding the partition-forming blank **203** in a manner identical to that heretofore described relative to the blank **13** of FIG. **1**. In addition, the panel **260** is folded and adhesively secured to the panel **243** while the panel **283** is folded about the fold line **266** and secured to the panel **265**. This positions the various finger-receiving openings in alignment as shown in FIG. **14** to form a reinforced carrying handle H''. The manner in which the partition when thus set up or erected is secured to the body **202** is believed apparent from the description of the composite blank **11** of FIG. **1**, and a further description of the erection of the carrier **200** is believed unnecessary for a complete understanding of this invention.

While preferred forms and arrangements of parts have been shown in illustrating the invention, it is to be clearly understood that various changes in details and arrangement of parts may be made without departing from the spirit and scope of this disclosure.

I claim:

**1**. A carton body comprising: a pair of sidewalls, a pair of end walls, and a bottom wall, partition means setting off a plurality of article-receiving compartments in said body, said partition means including a longitudinally extending partition wall, said partition wall being defined by a pair of longitudinal partition panels each of which is of a length less than the distance between said end walls, portions of said partition panels being in adjacent side-by-side relationship, a terminal end of each of said partition panels being secured to an adjacent one of said end walls, a first transverse partition panel joined to at least one of said pair of longitudinal partition panels along a fold line, said first transverse partition panel being normal to said one longitudinal partition panel, a connecting panel joined to and disposed generally normal to said first transverse partition panel in overlying relation to the adjacent one of said sidewalls, and a second transverse partition panel joined to and disposed generally normal to said connecting panel.

**2**. The carton as defined in claim **1** including means securing said connecting panel to one of said sidewalls.

**3**. The carton as defined in claim **1** including means securing said second transverse partition panel to said one longitudinal partition panel.

**4**. The carton as defined in claim **1** including means securing said connecting panel to one of said sidewalls, and means securing said second transverse partition panel to said one longitudinal partition panel.

**5**. The carton as defined in claim **1** wherein said connecting panel is of an inverted T-shaped configuration defined by a leg and a crossarm, and said crossarm is joined by a fold line to said bottom wall.

**6**. The carton as defined in claim **1** wherein said connecting panel is of an inverted T-shaped configuration.

**7**. The carton as defined in claim **1** wherein said connecting panel is of an inverted T-shaped configuration defined by a leg and a crossarm, and said leg is joined by fold lines to said first and second transverse partition panels.

**8**. The carton as defined in claim **1** wherein said connecting panel is of an inverted T-shaped configuration defined by a leg and a crossarm, said leg is joined by fold lines to said first and second transverse partition panels, and said crossarm is joined by a fold line to said bottom wall.

**9**. The carton as defined in claim **1** including a carrying handle disposed generally medially of said longitudinal partition wall, said handle being constructed for a separate piece of material, and means securing said handle in sandwiched relationship between said adjacent side-by-side partition panel portions.

10. The carton as defined in claim 9 wherein said pairs of end and sidewalls are constructed from a single one-piece sheet material blank, and said bottom wall and partition means are constructed from a single one-piece sheet material blank.

11. The carton as defined in claim 1 including a carrying handle disposed generally medially of said longitudinal partition wall, said handle being constructed from handle-forming portions of said partition panels projecting away from said bottom wall, and fold line means joining said handle-forming portions to each other.

12. The carton as defined in claim 11 including a handle-reinforcing panel joined by a fold line to one of said longitudinal partition panels, and said handle-reinforcing panel being folded about said last-mentioned fold line into overlying relationship to said handle for thereby reinforcing the same.

13. The carton as defined in claim 11 wherein said partition means and said carrying handle are constructed from a single one-piece sheet material blank.

14. The carton as defined in claim 11 wherein said partition means and said carrying handle are constructed from a single one-piece sheet material blank, a handle-reinforcing panel is joined by a fold line to one of said longitudinal partition panels, and said handle-reinforcing panel is folded about said last-mentioned fold line into overlying relationship to said handle for thereby reinforcing the same.

15. The carton as defined in claim 1 including a carrying handle disposed generally medially of said longitudinal partition wall, said handle being constructed from handle-forming portions of said partition panels projecting away from said bottom wall, and adhesive means joining said handle-forming portions to each other.

16. The carton as defined in claim 15 wherein said partition means and said bottom wall are constructed from a single one-piece sheet material blank.

17. The carton as defined in claim 15 including a handle-reinforcing panel joined by a fold line to one of said longitudinal partition panels, and said handle-reinforcing panel being folded about said last-mentioned fold line into overlying relationship to said handle for thereby reinforcing the same.

18. A partition-forming blank for a carrier body having vertical side and end walls arranged in rectangular plan comprising: a pair of similar partition-forming halves disposed on opposite sides of a common fold line, each partition half including a main partition-forming panel having a terminal edge portion adapted for securement to a different one of said carrier body end walls, said terminal edge portions being disposed in longitudinally spaced relation to the opposite ends of said common fold line, and each of said main partition-forming panels being provided at that edge opposite said terminal edge portion with a series of three connected panels, said main partition-forming panel and said three panels being hingedly connected in series by generally parallel fold lines which are also generally normal to said common fold line.

19. The partition blank as defined in claim 18 wherein the total lengths of said main partition-forming panels is greater than the longitudinal center line distance of a carrier body adapted to receive said partition blank in its setup condition.

20. The partition blank as defined in claim 18 wherein said common fold line is positioned in a bottom panel of said blank, and a fold line at opposite edges of said bottom panel joins said bottom panel to said partition-forming halves.

21. The partition blank as defined in claim 18 wherein said common fold line is positioned between a carrying handle panel of each partition-forming half.

22. The partition blank as defined in claim 18 wherein the second panel of the series of three panels is of an inverted T-shaped configuration.

23. The partition blank as defined in claim 18 wherein the second panel of the series of three panels is of an inverted T-shaped configuration defined by a leg and a crossarm, and said leg is joined by fold lines to the first third of the series of three and panels.

24. The partition blank is defined in claim 23 wherein said crossarm is joined by a fold line to a bottom panel with said last-mentioned fold line being generally parallel to said common fold line.