Re. 24789

Dec. 20, 1955 S. PASJACK 2,727,653

CARTONS

Filed June 7, 1954

Fig. 2.

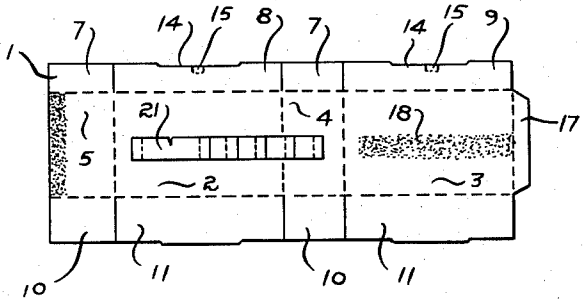


Fig. 3.

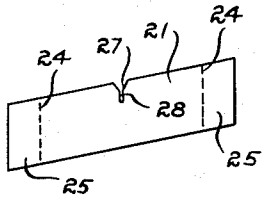


Fig. 4.

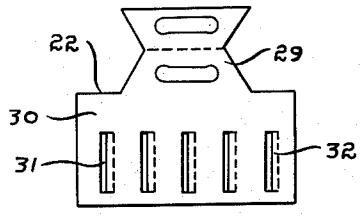


Fig. 5.

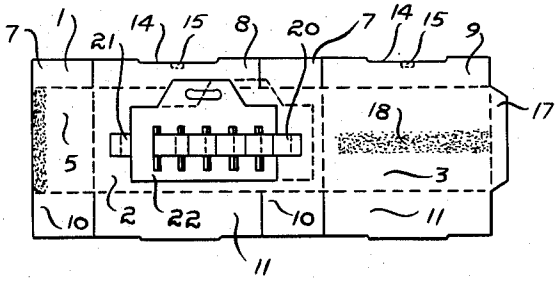


Fig. 6.

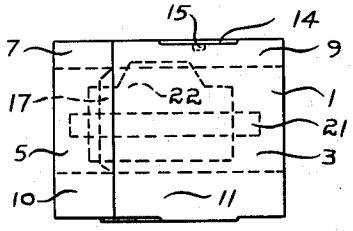


Fig. 7.

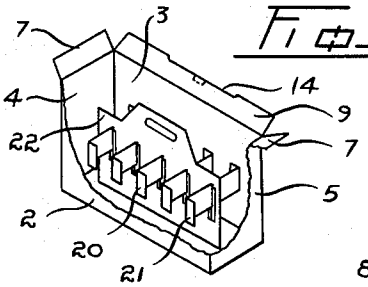


Fig. 8.

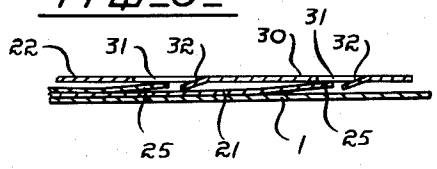
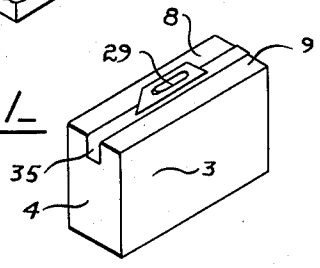


Fig. 1.



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United States Patent Office 2,727,653 Patented Dec. 20, 1955

2,727,653

CARTONS

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Application June 7, 1954, Serial No. 434,915

1 Claim. (Cl. 220—105)

My invention relates to improvements in cartons.

The particular object of the invention is to provide a carton fitted with a concealed handle by which the carton and its contents can be carried.

Other objects are to provide that the handle can become accessible by the simple means of slitting a portion of the binding strip which is used to seal the carton after it has been filled with the bottles, jars or other articles, and also to provide a carton which can be returned with the handle undamaged and concealed for reuse in packing new articles and then resealed by another adhesive binding strip.

A still further object is to provide a handle component which also serves as a dividing wall in the formation of the filler cells within the structure.

Other objects will devolop as the specification proceeds.

Referring to the accompanying drawings:

Figure 1 is a perspective view of the finished invention showing the handle withdrawn to carton carrying position.

Figure 2 is a plan view of the carton blank.

Figure 3 is a perspective view of a filler member.

Figure 4 is an elevational view of the handle member.

Figure 5 is a plan view of the assembled parts prior to the folding of the blank.

Figure 6 is a plan view of the completely finished carton in the knock down state ready for sale and shipment to the user.

Figure 7 is a perspective view, part broken away, of the carton opened out ready for filling with merchandise.

Figure 8 is an enlarged sectional view showing the disposition of carton and filler members as the handle member is being interleaved with said filler members.

In the drawings like characters of reference indicate corresponding parts in each figure.

The numeral **1** indicates a carton blank which is creased to provide side walls **2** and **3**, end walls **4** and **5**, top end closures **7**, top side closures **8** and **9**, bottom end closures **10** and bottom side closures **11**. Each of the top side closures are cut back to form recesses **14** and at the base of one of these recesses a finger gap **15** is provided. The free end of the site wall **3** is provided with an elongated tab **17** which is adapted to be united with the free end of the end wall **5** by a pressure setting resin glue which is preferably used throughout the manufacturing of the carton to knock down form. Glue is applied to the area **18** of the slide wall **3** and a similarly positioned area of side wall **2**.

The filler structure **20**, see Figure 7, is formed of filler members **21**, see Figure 3, and a handle member **22**. The filler members **21** are strips of material which are creased as at **24** to define end folds **25** which are adapted to be bent only when the carton is opened into box form as in Figure 7. Each filler member is provided with a Vshaped notch or mouth **27** having at its base a parallel sided gap or throat **28**. The end folds **25** of the filler strips are coated with glue, so that when they are laid down upon one of the areas **18** and the parts pressed together a proper bond will be formed. The handle member **22** consists of a hand grip **29** and a wall portion, which portion is provided with a plurality of vertical slots **31**, each having an offset side edge **32** which projects beyond the normal plane of the handle member. The slots **31** are considerably longer than the vertical dimension of the filler members **21**.

In making up the carton, a number of filler members are laid in overlapping arrangement upon the glued area **18** of the side wall **2**, with their free ends extended to the right of Figure 5 and being creased as before described with their free ends slightly elevated above their intermediate parts as shown in Figure 8. A handle member is laid down upon said filler members with the offset edges **32** of the slots **31** of the wall portion extending diagonally, so that as said handle portion is moved to the left of Figures 5 and 8, each free end portion of the filler members **21** will pass through one of said slots. When in the position above described the upper end of the grip **29** will be slightly above the upper limit of the side wall **2**, but may be aligned therewith by moving the handle members so that the upper edges of the vertical slots **31** will enter their respective notches **27** and be lodged in the gaps **28**. To complete the knockdown carton it is now only necessary to fold the side wall **3** over onto the filler members and the end wall **5** over onto the glued tab **17** and press them together to bind all the glued parts to their counterparts.

The purchaser opens up the knock down carton to rectangular form and closes its bottom portions and the carton is then filled and sealed with a glued tape **35**.

When the purchaser of a filled carton wishes to use the grip **29**, he slits the tape **35** and inserts a finger through the finger gap **15** and lifts said handle until the lower edges of the slots **31** engage the under edges of the filler members.

What I claim as my invention is:

A carton having sides and a bottom wall, a filler structure within the carton, said filler structure having a plurality of filler members connected at opposite ends to opposing side walls, and a slidably extensible handle member adapted to be normally wholly enclosed in the carton, said member being supported by the filler members and serving to define article receiving spaces on both sides of the handle member and between the filler members, said filler members having medial slots on their upper edges, and said handle member having a plurality of vertical slots closed at their lower and upper ends, said filler members extending through the vertical slots and said medial slots being adapted to locate the handle member lengthwise of the filler members when said handle member is in normal position, the lower marginal edges of the vertical slots being adapted to bear upwardly onto the lower edges of the filler members to support the carton when being carried by the handle members.

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