



Europäisches Patentamt
European Patent Office
Office européen des brevets



Publication number: **0 454 450 B1**

12

EUROPEAN PATENT SPECIFICATION

- 49 Date of publication of patent specification: **19.07.95** 51 Int. Cl.⁸: **B65D 71/00**
21 Application number: **91303715.6**
22 Date of filing: **24.04.91**

54 **Bottle carrier.**

30 Priority: **26.04.90 GB 9009614**

43 Date of publication of application:
30.10.91 Bulletin 91/44

45 Publication of the grant of the patent:
19.07.95 Bulletin 95/29

84 Designated Contracting States:
BE DE ES FR GB IT NL

56 References cited:
EP-A- 0 051 968 EP-A- 0 352 589
GB-A- 2 187 161 US-A- 4 190 149
US-A- 4 304 329 US-A- 4 378 878
US-A- 4 378 879

73 Proprietor: **THE MEAD CORPORATION**
Mead World Headquarters
Courthouse Plaza Northeast
Dayton
Ohio 45463 (US)

72 Inventor: **Saulas, Alain**
24 Rue de la Loutre
F-36000 Chateauroux (FR)

74 Representative: **Hepworth, John Malcolm**
Hepworth Lawrence Bryer & Bizley
Bloxam Court
Corporation Street
Rugby,
Warwickshire CV21 2DU (GB)

EP 0 454 450 B1

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid (Art. 99(1) European patent convention).

Description

This invention relates to a bottle carrier of the so-called top-gripping type which has no bottom wall but which grips and supports the bottles by engagement with neck portions of the bottles and which includes a peripheral band to maintain the bottles in close side-by-side relationship. More specifically the present invention is concerned with carriers in which bottle-neck receiving apertures are provided in a carrier top wall formed by a hinged connection between a pair of side walls of the carrier.

Skirted top-gripping bottle carriers have been known for some time. For example, EP-A-O 051 968 discloses such a bottomless top-gripping carrier in which a plurality of bottles are accommodated, and maintained in close side-by-side relationship by means of a peripheral skirt. The carrier has an end wall connecting together lower portions of the side walls at each end of the carrier and providing, together with lower portions of the side walls, a peripheral skirt to maintain the bottles in close side by side relationship and has at least one tie element connecting together upper portions of the side walls to limit movement of the upper portions away from one another.

It is known from US-A-4 190 149 to provide a bottle carrier according to the preamble of claim 1 and a blank according to the preamble of claim 8, comprising a top wall having apertures for receiving the necks of bottles, and side and end walls which depend downwardly and outwardly from the top wall. The side walls comprise triangular anchoring tabs at each of their ends, and the end walls comprise three triangular web panels one being joined in series to the next, at each end of the end walls. The carrier is formed by gluing the two laterally outermost web panels of each of the end walls to the inside surface of the adjacent side wall and associated anchoring tab.

In one aspect of the present invention the top of the carrier is formed to provide a roof-like structure and a tying band ties together lower portions of the side walls and the bottles, a tucking flap providing a connection between the canopy structure and the lower side walls.

In this aspect there is provided a carrier accommodating a plurality of articles, such as bottles, arranged in close side-by-side relationship, which carrier comprises a pair of opposing side walls flanking wall portions of the bottles, said side walls including mutually inclined upper portions hinged together adjacent the tops of the bottles and providing a top of the carrier, said top having a bottle-neck receiving aperture for each bottle and including bottle-neck engaging means to support the bottle when the carrier is lifted, said carton further

5 comprising end walls connecting together upper portions of said side walls at each end of the carrier and providing, together with upper portions of said side walls, a roof-like structure, and comprising tying means for securing said side walls to said bottles, wherein said end walls comprise canopy structures each of which extends from a corner of top, wherein said canopy structure comprises a series of hinged panels and the carrier comprises a tucking flap hinged to the side edges of the side wall upper portions and lower portions, and one of said panels in said canopy structure.

10 According to a feature of the invention the carrier may be adapted for two bottles, wherein a pair of bottle-neck receiving apertures is provided in said top and a hand gripping aperture is formed in said top.

15 According to a further aspect of the invention there is provided a blank for forming a carrier accommodating a plurality of articles, such as bottles arranged in close side-by-side relationship, which blank comprises a pair of opposing side walls said side walls including upper portions hinged together adjacent the tops of the bottles in use and providing a top of a carrier, said top having a bottle-neck receiving aperture for each bottle and including bottle-neck engaging means to support the bottle when the carrier is lifted, said blank further comprising end walls connecting together upper portions of said side walls at each end of the blank and providing, together with upper portions of said side wall, a roof-like structure when the carrier is formed wherein the upper portions are mutually inclined, characterised in that said blank is adapted to receive tying means for securing said side walls to said bottles in use, and in that said end walls comprise canopy structures each of which extends from a corner of the top wherein said canopy structure comprises a series of hinged panels and the carrier comprises a tucking flap hinged to the side edges of the side wall upper portions and lower portions, and one of said panels in said canopy structure.

20 In a preferred from the blank comprises an engaging means for said securing means which engaging means might preferably be a rectangular notch defined in a lower side panel of the side walls. In a further preferred from a mouth of the engaging means is defined in the lower side panel such that the mouth is flush with the side edge of the lower side panel.

25 An embodiment of the present invention will now be described, by way of example only, with reference to the accompanying drawings, of which:-
 30 FIGURE 1 is a plan view of a blank for use in forming a bottle carrier in accordance with the present invention; and

FIGURE 2 is a perspective view of a bottle carrier formed from the blank shown in Figure 1 and loaded with a pair of bottles.

Referring to Figure 1, there is shown a flat blank 1 of paperboard (or other foldable sheet material) which is cut and scored and capable of being erected, in combination with a cooperating strap, to form a carrier for a pair of bottles as shown in Figure 2. The blank 1 comprises a central strip 2 defined between a pair of parallel fold lines 3, 4. Opposing upper side panels 5, 6 for the carrier are hinged to respective side edges of the central strip 2 along the fold lines 3, 4, while the lower side panels 7, 8 are hinged to the upper side panels 5, 6 along respective fold lines 9, 10. The opposite ends of the central strip 1 and the opposite side edges of each of the panels 5, 6, 7, 8 are defined by respective common fold lines 12, 13 extending substantially the whole length of the blank 1. At each end of the blank 1, the lower side panels 7, 8 project beyond the adjacent portions of the blank. These projecting portions 15, 16 are formed at each side of the respective panel with a rectangular notch 17, 18, 19, 20, the mouths of which lie flush with the score lines 12, 13.

Extending from the ends of the central strip 2, and hinged thereto along the score lines 12, 13, are a pair of opposing end panels 22, 23 for the carrier. The side edges of these end panels 22, 23 are defined by fold lines 22a, 22b; 23a, 23b which are extensions of the fold lines 3, 4 which define the central strip 2.

Radiating outwardly from each corner of the central strip 2, within the right angles defined between score lines 12, 13 and perpendicular score lines 22a, 22b and 23a, 23b, are a respective pair of fold lines 30d, 30e; 31d, 31e; 32d, 32e; 33d, 33e. This defines a respective set of three triangular flaps 30a, 30b, 30c; 31a, 31b, 31c; 32a, 32b, 32c; 33a, 33b, 33c in each of the corners between the sides of the upper side panels 5, 6 and the sides of the end panels 22, 23. Each set of three triangular flaps comprises a pair of adjacent complementary tuck flaps 30a, 30b; 31a, 31b; 32a, 32b; 33a, 33b hinged to one another along fold lines 30d, 31d, 32d, 33d, and a triangular panel 30c, 31c, 32c, 33c which is on one side along fold line 30e, 31e, 32e, 33e to tuck flap 30b, 31b, 32b, 33b, and on the other along respective fold lines 22a, 23a, 23a, 23b to the associated end panel 22, 23. More particularly, triangular panel 30c is hinged to the side edge of end panel 22 along fold line 22a; tuck flap 30b is defined between fold lines 30d and 30e along which it is hinged to tuck flap 30a on one side and triangular panel 30c on the other; and tuck flap 30a is hinged on its other side to the side of upper side panel 5 along fold line 12. It will be seen from Figure 1 that each of the other three

sets of triangular flaps 31a, 31b, 31c; 32a, 32b, 32c; and 33a, 33b, 33c are similarly arranged in the corners defined between end panel 23 and upper side panels 5 and 6, and between end panel 22 and upper side panel 6 respectively. To facilitate folding during erection of the carrier, a small triangular aperture 36, 37, 38, 39 is struck in the corner of each of the angles subtended between fold lines 30e and 33e and fold line 12, and fold lines 31e and 32e and fold line 13 respectively.

The tuck flaps 30a, 31a, 32a, 33a, although generally triangular, are extended at their base so as to be integrally hinged to one end of a respective rectangular tuck flap 40, 41, 42, 43 along score lines 44, 45, 46, 47, which are simply extensions of fold lines 9 (44, 45) and 10 (46, 47). The rectangular tuck flaps 40, 41, 42, 43 are also hinged along one side to the sides of adjacent side panels 7 and 8 along respective portions of full-length score lines 12 and 13.

The central strip 2 is formed with a pair of circular bottle-neck receiving apertures 50, 51 located towards opposite ends thereof and spaced apart at a distance corresponding to the diameter of the bottles to be received. To the periphery of each aperture 50, 51 is a circular set of eight retaining tabs 53 which are defined by eight radial cuts 54. The radially inner edges of the tabs 53 of each bottle-neck receiving aperture 50, 51 define between them a respective smaller concentric central aperture 55, 56. The tabs 53 are hinged to periphery of their associated apertures 50, 51 along circular fold line 57, 58, which accordingly itself defines the periphery of that aperture.

Located between the bottle neck receiving apertures 50, 51 is a handle arrangement comprising a fold line 60 which extends transversely along across the width of the central strip 2, traversing each of the fold lines 3, 4 and extending into each of the upper side panels 5, 6 where it intersects a bow-shaped cut 61 towards opposite ends thereof. This cut 61 also extends transversely across the central strip 2 a short distance to one side of the fold line 60, and crosses each of the fold lines 3, 4 into panels 5, 6 where it curves towards and meets the opposite ends of the fold line 60 to define therewith a flap 62, hinged along fold line 60. Beyond its point of intersection with the fold line 60, the curvature of each end of the cut line 61 reverses sharply through 180 degrees, which serves to inhibit tearing in use of the handle. The flap 62 is formed with a pair of fold lines 62a, 62b which approximately bisect the outwardly facing right angles between the line 60, and each of the lines 3, 4 towards each end of the flap.

Formation of the completed carrier from the blank 1 shown in Figure 1, in combination with a belt or strap of plastics material, will now be de-

scribed with further reference to Figure 2. First, upper side panels 5, 6 are folded relative to the central strip 2 about respective fold lines 3, 4. Simultaneously, triangular panels 30c, 31c, 32c, 33c are folded relative to end panels 22, 23 about fold lines 22a, 23a and 22b, 23b respectively. Next, the blank is folded along its entire length about fold lines 12 and 13. In so doing, rectangular flaps 40, 41, 42, 43 are folded inwards so as to lie flat against the adjacent inner surfaces of lower side panels 7, 8. Similarly, triangular tuck flaps 30a, 31a, 32a, 33a are folded inwardly about fold lines 12, 13 to lie in face-to-face contact with the inner surfaces of upper side panels 5, 6. At the same time the triangular tuck flaps 30b, 31b, 32b, 33b are each also folded down, along respective fold lines 30d, 31d, 32d, 33d, so as to lie in face-to-face relationship with tuck flaps 30a, 31a, 32a, 33a respectively to form a three-ply structure in each of these regions.

The end panels 22, 23 are then drawn outwardly to form, in conjunction with triangular panels 30c, 31c, 32c, 33c, a canopy structure at each end of the carrier. This is accomplished by folding triangular panels 30c, 31c, 32c, 33c relative both to tuck flaps 30b, 31b, 32b, 33b about fold lines 30e, 31e, 32e, 33e, and to their associated end panels 22, 23, by folding about fold lines 22a, 23a, 22b, 23b. At this stage, the carrier comprises a roof-like structure, formed by the central strip 2, upper side panels 5, 6, end panels 22, 23 and triangular panels 30c, 31c, 32c, 33c shaped to accommodate the tops of a pair of bottles B1, B2, and a pair of depending side walls provided by side panels 7, 8.

In order to load the pair of bottles B1, B2 into the carrier, the caps C1, C2 of the bottles are forced upwardly into and through the bottle neck receiving apertures 50, 51, thereby deflecting the peripheral retaining tabs 53 which subsequently resiliently engage behind the rims 64, 65 of the bottle caps to secure the bottles B1, B2 against withdrawal. In this position, the above-described roof-like portion of the carrier fits snugly over the tops of the bottles B1, B2, with the side panels 7, 8 hanging downwardly on each side parallel to, and in contact with, the side walls of the bottles. To complete the carrier, a strip 66 of heat shrinkable plastics material is wrapped around the side walls of the bottles B1, B2 embracing also the lower edge of each of the side panels 7, 8 and engaging in the rectangular notches 17, 18, 19, 20 therein. This strap 66 is then heat shrunk in position firmly to hold the bottles together and to secure the side panels 7, 8 in place against their side walls. The notches 17, 18, 19, 20 in the side panels 7, 8 serve to prevent the plastic strap 66 from sliding out of position. The loaded carrier can readily be lifted and carried using the handle feature located in the

central strip 2 between the bottle caps C1, C2. This is accomplished by depressing the flap 62 to form an aperture through which fingers can be inserted, and then folding the flap 62 backwards about score line 60, until the central portion thereof comes into contact with the inner surface of central strip 2, a procedure which is facilitated by fold lines 62a, 62b.

This provides a reinforced two-ply lip along fold line 60 by means of which the carrier can be lifted and carried by engagement of the fingers thereunder.

It will be appreciated that carriers in accordance with the present invention can be adapted to accommodate more than one pair of bottles. For example, by extending the central strip 2 (and end panels 22, 23) laterally and providing therein further pairs of bottle neck receiving apertures at intervals corresponding to the diameter of the bottles, further pairs of bottles can be packaged. Alternatively or, preferably additionally, the central strip 2 (and side panel 5, 6, 7, 8) can be elongated and formed with further bottle neck receiving apertures at bottle diameter intervals.

Furthermore, although described in its application to "bottomless" carriers, the invention could also be adapted for use with carriers having bottom panels supporting the bottles.

Conveniently, the height of the plastics strap 66, which need not necessarily be heat shrunk in order to provide a secure binding, is such as to obscure bar (price) code symbols on the individual bottles to encourage reading of a correct bar code symbol for the multiple pack appearing on the exterior of the carrier.

Claims

1. A carrier accommodating a plurality of articles, such as bottles, (B1 and B2) arranged in close side-by-side relationship, which carrier comprises a pair of opposing side walls (5,6,7,8) flanking wall portions of the bottle, said side walls including mutually inclined upper portions (5,6) hinged together adjacent the tops of the bottles and providing a top (2) of the carrier, said top having a bottle-neck receiving aperture (50,51) for each bottle and including bottle-neck engaging means (53) to support the bottle when the carrier is lifted, said carton further comprising end walls (22,23,30a,-30b,30c,31a,31b,31c,32a,32b,32c, 33a,33b,33c) connecting together upper portions (5,6) of said side walls at each end of the carrier and providing, together with upper portions (5,6) of said side walls, a roof-like structure, characterised by tying means (66) for securing said side walls to said bottles, and in that said end

- walls comprise canopy structures (30b,30c,31b,31c,32b,32c, 33b,33c) each of which extends from a corner of top (2), wherein said canopy structure comprises a series of hinged panels (30b,30c,31b,31c,- 32b,32c,33b,33c) and the carrier comprises a tucking flap (30a,40;31a,42;32a,42;33a,43) hinged to the side edges of the side wall upper portions (5,6) and lower portions (7,8), and one of said panels in said canopy structure.
2. A carrier according to claim 1 adapted for two bottles, which carrier comprises a pair of bottle-neck receiving apertures (50,51) provided in said top (2) and a hand gripping aperture (62) formed in said top.
3. A carrier as claimed in claim 1 or 2 wherein said end walls comprise an end panel (22,23) hinged to two canopy structures and said canopy structure comprises three approximately triangular panels (30b,30c,31b,31c,32b,32c,- 33b,33c), a first triangular panel (30c,31c,- 32c,33c) hinged to said end panel (22,23) and a second triangular panel (30b,31b,32b,33b), where said second triangular panel is also hinged to a third triangular panel (30a,31a,31b,31c) which in turn is hinged to an upper portion (5,6) of said side walls (7,8).
4. A carrier as claimed in any of claims 1 to 3 which further comprises engaging means (17,18,19,20) for said securing means (66).
5. A carrier as claimed in claim 4 wherein said engaging means (17,18,19,20) is a rectangular notch defined in a lower side panel (7,8) of said side walls.
6. A carrier as claimed in claim 5 wherein a mouth of said engaging means is defined in said lower side panel (7,8) where said mouth is flush with the side edge (12,13) of said lower side panel.
7. A carrier as claimed in any preceding claim wherein said securing means (66) is a strip of heat shrinkable plastics.
8. A blank for forming a carrier accommodating a plurality of articles, such as bottles (B1 and B2) arranged in close side-by-side relationship, which blank comprises a pair of opposing side walls (5,6,7,8), said side walls including upper portions (5,6) hinged together adjacent the tops of the bottles in use and providing a top (2) of a carrier, said top having a bottle-neck receiving aperture (50,51) for each bottle and including bottle-neck engaging means (53) to support the bottle when the formed carrier is lifted, said blank further comprising end walls (22,23,30b,30c,31b,31c,32b,32c,33b,33c) connecting together upper portions (5,6) of said side walls at each end of the blank and providing, together with upper portions (5,6) of said side walls, a roof-like structure when the carrier is formed wherein the upper portions are mutually inclined, characterised in that said blank is adapted to receive tying means (66) for securing said side walls to said bottles in use, and in that said end walls comprise canopy structures (30a,30b,30c,31a,31b,31c,32a, 32b,32c,- 33a,33b,33c) each of which extends from a corner of the top (2), wherein said canopy structure comprises a series of hinged panels (30b,30c,31b,31c,32b,32c,33b,33c) and the carrier comprises a tucking flap (30a,40;31a,41;32a,42;33a,43) hinged to the side edges of the side wall upper portions (5,6) and lower portions (7,8), and one of said panels in said canopy structure.
9. A blank as claimed in claim 8 which further comprises engaging means (17,18,19,20) for receiving said securing means (66).
10. A blank as claimed in claim 9 wherein said engaging means (17,18,19,20) is a rectangular notch defined in a lower side panel (7,8) of said side walls.
11. A blank as claimed in claim 10 wherein a mouth of said engaging means is defined in said lower side panel (7,8) where said mouth is flush with the side edge (12,13) of said lower side panel.

Patentansprüche

1. Ein Träger zum Aufnehmen einer Mehrzahl von Artikeln, wie Flaschen (B1 und B2), die in enger Seite-an-Seite-Beziehung angeordnet sind, wobei der Träger ein Paar gegenüberliegende Seitenwände (5, 6, 7, 8) umfaßt, die Wandabschnitte der Flasche flankieren, wobei die Seitenwände gegenseitig geneigte obere Abschnitte (5, 6) einschließen, die den oberen Enden der Flaschen benachbart aneinander angelenkt sind und ein Oberteil (2) des Trägers bereitstellen, wobei das Oberteil eine Flaschenhalsaufnahmeöffnung (50, 51) für jede Flasche aufweist und Flaschenhalseinrastvorrichtungen (53) einschließt, um die Flasche zu stützen, wenn der Träger angehoben wird, wobei der Karton (Träger) weiterhin Endwände (22, 23, 30a, 30b, 30c, 31a, 31b, 31c, 32a, 32b,

- 32c, 33a, 33b, 33c) umfaßt, die obere Abschnitte (5, 6) der Seitenwände an jedem Ende des Trägers miteinander verbinden und zusammen mit den oberen Abschnitten (5, 6) der Seitenwände eine dachartige Struktur bereitstellen, gekennzeichnet durch Festmachvorrichtungen (66) zum festen Halten der Seitenwände an den Flaschen, sowie dadurch, daß die Endwände Baldachinstrukturen (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) umfassen, von denen sich jede von einer Ecke des Oberteils (2) aus erstreckt, wobei die Baldachinstruktur eine Reihe von angelenkten Flächen (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) umfaßt und der Träger eine Faltsklappe (30a, 40, 31a, 41, 32a, 42, 33a, 43) umfaßt, die an die seitlichen Kanten der oberen Abschnitte (5, 6) und unteren Abschnitte (7, 8) der Seitenwände und eine der Flächen in der Baldachinstruktur angelenkt ist.
2. Träger nach Anspruch 1, angepaßt für zwei Flaschen, wobei der Träger ein Paar von Flaschenhalsaufnahmeöffnungen (50, 51), vorgesehen im Oberteil (2) und eine Handgreiföffnung (62), gebildet im Oberteil, umfaßt.
3. Träger nach Anspruch 1 oder 2, wobei die Endwände eine Endfläche (22, 23), angelenkt an zwei Baldachinstrukturen, umfassen und die Baldachinstruktur drei annähernd dreieckige Flächen (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) umfaßt, nämlich eine erste dreieckige Fläche (30c, 31c, 32c, 33c) angelenkt an die Endfläche (22, 23) und eine zweite dreieckige Fläche (30b, 31b, 32b, 33b), wobei die zweite dreieckige Fläche auch an eine dritte dreieckige Fläche (30a, 31a, 31b, 31c) angelenkt ist, die dann wieder an einen oberen Abschnitt (5, 6) der Seitenwände (7, 8) angelenkt ist.
4. Träger nach einem der Ansprüche 1 bis 3, der weiterhin Einrastvorrichtungen (17, 18, 19, 20) für die Festhaltevorrichtung (66) umfaßt.
5. Träger nach Anspruch 4, wobei die Einrastvorrichtung (17, 18, 19, 20) ein in einer unteren Seitenfläche (7, 8) der Seitenwände ausgebildeter rechteckiger Schlitz ist.
6. Träger nach Anspruch 5, wobei ein Mundloch der Einrastvorrichtung in der unteren Seitenfläche (7, 8) ausgebildet ist, wobei das Mundloch mit der seitlichen Kante (12, 13) der unteren Seitenfläche fluchtrecht ist.
7. Träger nach einem der vorgehenden Ansprüche, wobei die Festmachvorrichtung (66) ein wärmeschrumpfbarer Kunststoffstreifen ist.
8. Ein Zuschnitt zur Bildung eines Trägers zum Aufnehmen einer Mehrzahl von Artikeln, wie Flaschen (B1 und B2), die in enger Seite-an-Seite-Beziehung angeordnet sind, wobei der Zuschnitt ein Paar gegenüberliegende Seitenwände (5, 6, 7, 8) umfaßt, die Seitenwände obere Abschnitte (5, 6) einschließen, die den oberen Enden der verwendeten Flaschen benachbart aneinander angelenkt sind und ein Oberteil (2) eines Trägers bereitstellen, wobei das Oberteil eine Flaschenhalsaufnahmeöffnung (50, 51) für jede Flasche aufweist und Flaschenhalseinrastvorrichtungen (53) einschließt, um die Flasche zu stützen, wenn der gebildete Träger angehoben wird, wobei der Zuschnitt weiterhin Endwände (22, 23, 30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) umfaßt, die obere Abschnitte (5, 6) der Seitenwände an jedem Ende des Zuschnitts miteinander verbinden und zusammen mit den oberen Abschnitten (5, 6) der Seitenwände eine dachartige Struktur bereitstellen, wenn der Träger gebildet ist, wobei die oberen Abschnitte gegenseitig geneigt sind, dadurch gekennzeichnet, daß der Zuschnitt angepaßt ist, Festmachvorrichtungen (66) zum Festhalten der Seitenwände an den verwendeten Flaschen aufzunehmen, sowie dadurch, daß die Endwände Baldachinstrukturen (30a, 30b, 30c, 31a, 31b, 31c, 32a, 32b, 32c, 33a, 33b, 33c) umfassen, von denen sich jede von einer Ecke des Oberteils (2) aus erstreckt, wobei die Baldachinstruktur eine Reihe von angelenkten Flächen (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) umfaßt und der Träger eine Faltsklappe (30a, 40, 31a, 41, 32a, 42, 33a, 43) umfaßt, die an die seitlichen Kanten der oberen Abschnitte (5, 6) und unteren Abschnitte (7, 8) der Seitenwände und eine der Flächen in der Baldachinstruktur angelenkt ist.
9. Zuschnitt nach Anspruch 8, der weiterhin Einrastvorrichtungen (17, 18, 19, 20) umfaßt, um die Festmachvorrichtung (66) aufzunehmen.
10. Zuschnitt nach Anspruch 9, wobei die Einrastvorrichtung (17, 18, 19, 20) ein in einer unteren Seitenfläche (7, 8) der Seitenwände ausgebildeter rechteckiger Schlitz ist.
11. Zuschnitt nach Anspruch 10, wobei ein Mundloch der Einrastvorrichtung in der unteren Seitenfläche (7, 8) ausgebildet ist, wobei das Mundloch mit der seitlichen Kante (12, 13) der unteren Seitenfläche fluchtrecht ist.

Revendications

1. Support logeant une pluralité d'articles, tels que des bouteilles, (B1 et B2) disposés très près l'un à côté de l'autre, ce support comprenant un couple de parois latérales (5, 6, 7, 8) opposées flanquant des parties de paroi de la bouteille, lesdites parois latérales comprenant des parties supérieures (5, 6) mutuellement inclinées, articulées l'une à l'autre dans une position adjacente aux sommets des bouteilles et constituant un sommet (2) du support, ledit sommet ayant une ouverture de réception de col de bouteille (50, 51) pour chaque bouteille et comprenant un moyen d'accrochage de col de bouteille (53) pour supporter la bouteille lorsque le support est levé, ledit carton comprenant en outre des parois d'extrémité (22, 23, 30a, 30b, 30c, 31a, 31b, 31c, 32a, 32b, 32c, 33a, 33b, 33c) reliant ensemble les parties supérieures (5, 6) desdites parois latérales, à chaque extrémité du support, et définissant, conjointement avec les parties supérieures (5, 6) desdites parois latérales, une structure en forme de toit, caractérisé par un moyen de liage (66) pour fixer lesdites parois latérales auxdites bouteilles, et en ce que lesdites parois d'extrémité comprennent des structures formant auvent (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c), chacune d'entre elles s'étendant depuis un angle du sommet (2), ladite structure formant auvent comprenant une série de panneaux articulés (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) et le support comprenant un volet de repliement (30a, 40; 31a, 41; 32a, 42; 33a, 43) articulé aux bords latéraux des parties supérieures (5, 6) et parties inférieures (7, 8) de paroi latérale, et à l'un desdits panneaux dans ladite structure formant auvent.
2. Support selon la revendication 1, adapté pour deux bouteilles, ce support comprenant un couple d'ouvertures de réception de col de bouteille (50, 51), ménagé dans ledit sommet (2), et une ouverture de préhension manuelle (62) formée dans ledit sommet.
3. Support selon la revendication 1 ou 2, dans lequel lesdites parois d'extrémité comprennent un panneau d'extrémité (22, 23) articulé à deux structures formant auvent et ladite structure formant auvent comprend trois panneaux (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) à peu près triangulaires, un premier panneau triangulaire (30c, 31c, 32c, 33c) articulé audit panneau d'extrémité (22, 23) et à un deuxième panneau triangulaire (30b, 31b, 32b, 33b), ledit deuxième panneau triangulaire étant également articulé à un troisième panneau triangulaire (30a, 31a, 31b, 31c) qui est, à son tour, articulé à une partie supérieure (5, 6) desdites parois latérales (7, 8).
4. Support selon l'une quelconque des revendications 1 à 3, qui comprend, en outre, un moyen d'accrochage (17, 18, 19, 20) pour ledit moyen de fixation (66).
5. Support selon la revendication 4, dans lequel ledit moyen d'accrochage (17, 18, 19, 20) est une entaille rectangulaire définie dans un panneau latéral inférieur (7, 8) desdites parois latérales.
6. Support selon la revendication 5, dans lequel une embouchure dudit moyen d'accrochage est définie dans ledit panneau latéral inférieur (7, 8), ladite embouchure étant alignée avec le bord latéral (12, 13) dudit panneau latéral inférieur.
7. Support selon l'une quelconque des revendications précédentes, dans lequel ledit moyen de fixation (66) est une bande de matière plastique thermorétractible.
8. Flan pour former un support logeant une pluralité d'articles, tels que des bouteilles, (B1 et B2) disposés très près l'un à côté de l'autre, ce flan comprenant un couple de parois latérales (5, 6, 7, 8) opposées, lesdites parois latérales comprenant des parties supérieures (5, 6) articulées entre elles dans une position adjacente aux sommets des bouteilles, en utilisation, et constituant un sommet (2) d'un support, ledit sommet ayant une ouverture de réception de col de bouteille (50, 51) pour chaque bouteille et comprenant un moyen d'accrochage de col de bouteille (53) pour supporter la bouteille lorsque le support formé est levé, ledit flan comprenant, en outre, des parois d'extrémité (22, 23, 30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) reliant entre elles les parties supérieures (5, 6) desdites parois latérales, à chaque extrémité du flan, et définissant conjointement avec les parties supérieures (5, 6) desdites parois latérales, une structure en forme de toit lorsque le support est formé, dans laquelle les parties supérieures sont mutuellement inclinées, caractérisé en ce que ledit flan est adapté pour recevoir un moyen de liage (66) destiné à fixer lesdites parois latérales auxdites bouteilles, en utilisation, et en ce que lesdites parois d'extrémité comprennent des structures formant auvent (30a, 30b, 30c, 31a, 31b, 31c, 32a, 32b, 32c, 33a, 33b, 33c),

chacune d'entre elles s'étendant depuis un angle du sommet (2), ladite structure formant auvent comprenant une série de panneaux articulés (30b, 30c, 31b, 31c, 32b, 32c, 33b, 33c) et le support comprenant un volet de repliement (30a, 40; 31a, 41; 32a, 42; 33a, 43) articulé aux bords latéraux des parties supérieures (5, 6) et parties inférieures (7, 8) de paroi latérale, et à l'un desdits panneaux dans ladite structure formant auvent.

5

10

9. Flan selon la revendication 8, qui comprend, en outre, un moyen d'accrochage (17, 18, 19, 20) pour recevoir ledit moyen de fixation (66).

15

10. Flan selon la revendication 9, dans lequel ledit moyen d'accrochage (17, 18, 19, 20) est une entaille rectangulaire définie dans un panneau latéral inférieur (7, 8) desdites parois latérales.

20

11. Flan selon la revendication 10, dans lequel une embouchure dudit moyen d'accrochage est définie dans ledit panneau latéral inférieur (7, 8), ladite embouchure étant alignée avec le bord latéral (12, 13) dudit panneau latéral inférieur.

25

30

35

40

45

50

55

FIG. 1.

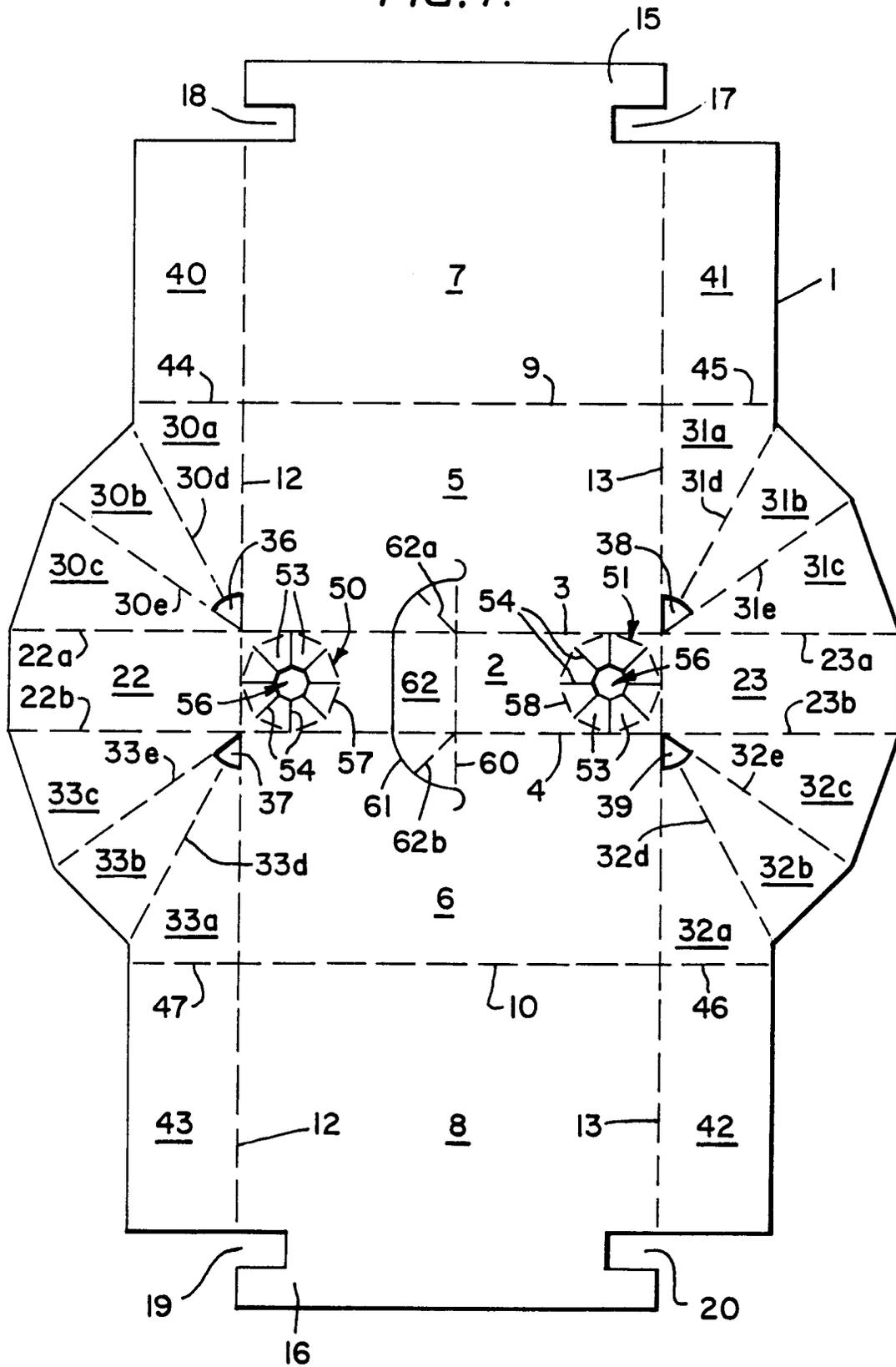


FIG. 2.

