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(54) **MULTI-PACK TRAVELER COMPONENT PACKAGE INSERT**

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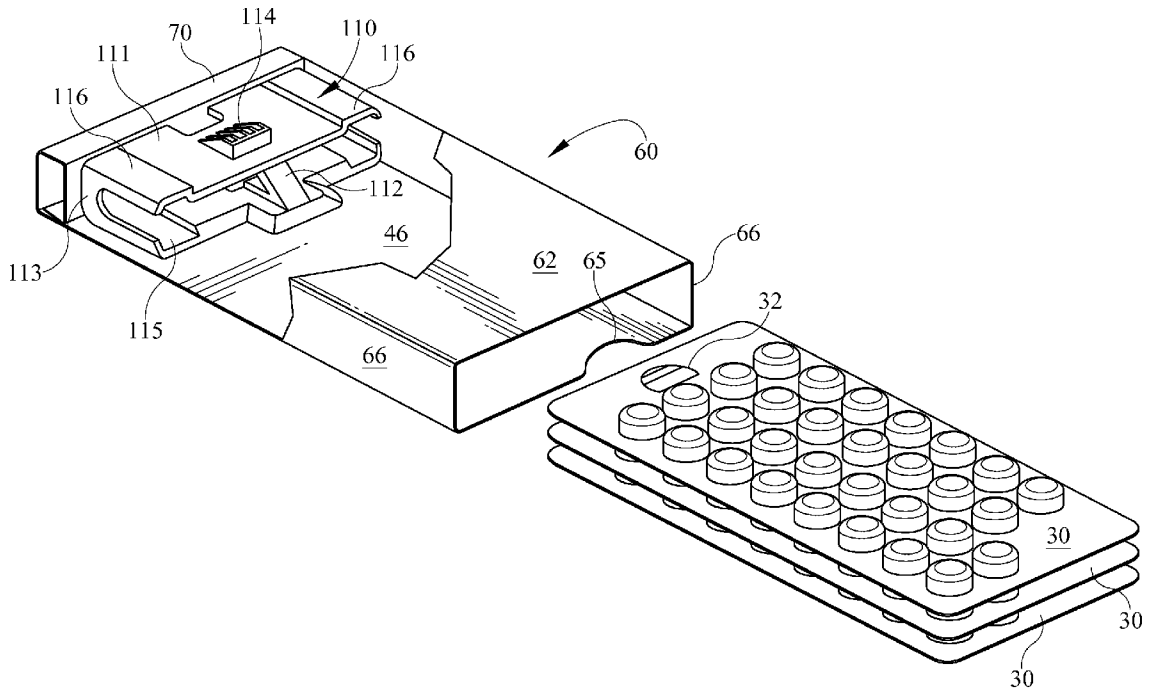
(57) **ABSTRACT**

A packaging apparatus is designed to accommodate one or more blister packages in a secure child-resistant manner. The one or more blister packages (**30**) include at least one engaging aperture (**32**). The apparatus includes a sleeve that receives the one or more blister packages and a traveler clip (**10**) that is coupled with the one or more blister packages. The traveler clip is received in the sleeve in a lockable slidable fashion. The traveler clip further includes a backwardly inclining dagger (**12**) that hooks onto the engaging aperture of the one or more.



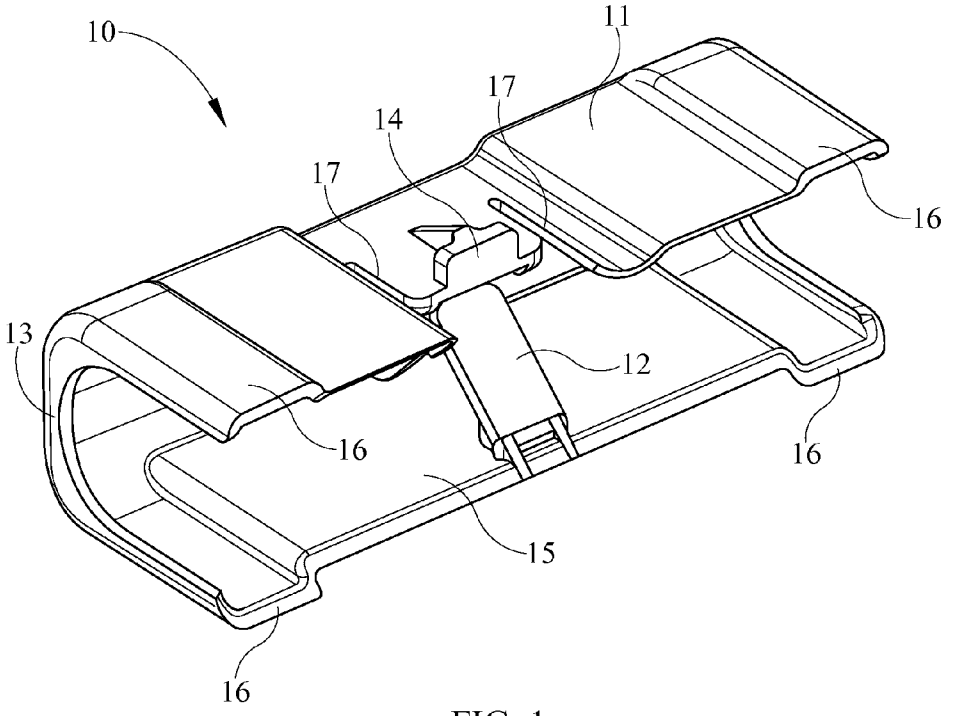


FIG. 1

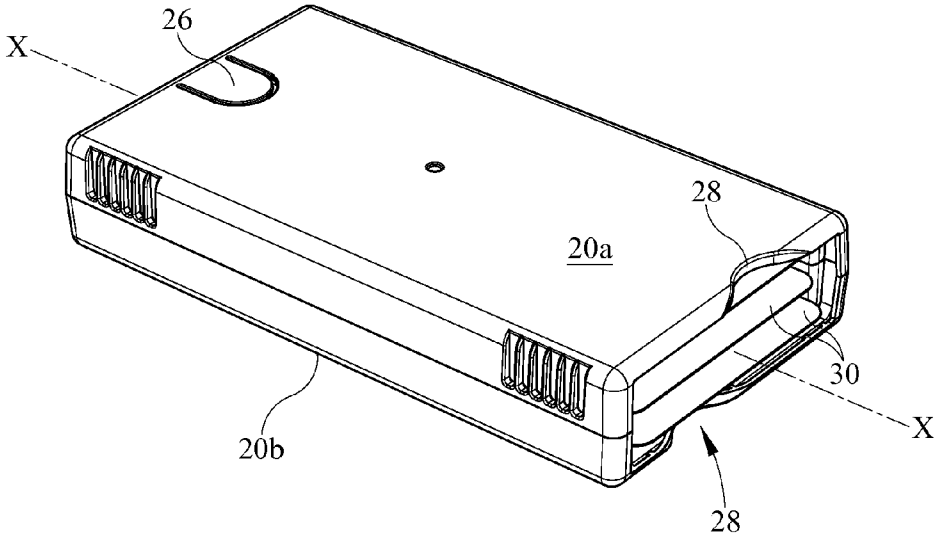


FIG. 5

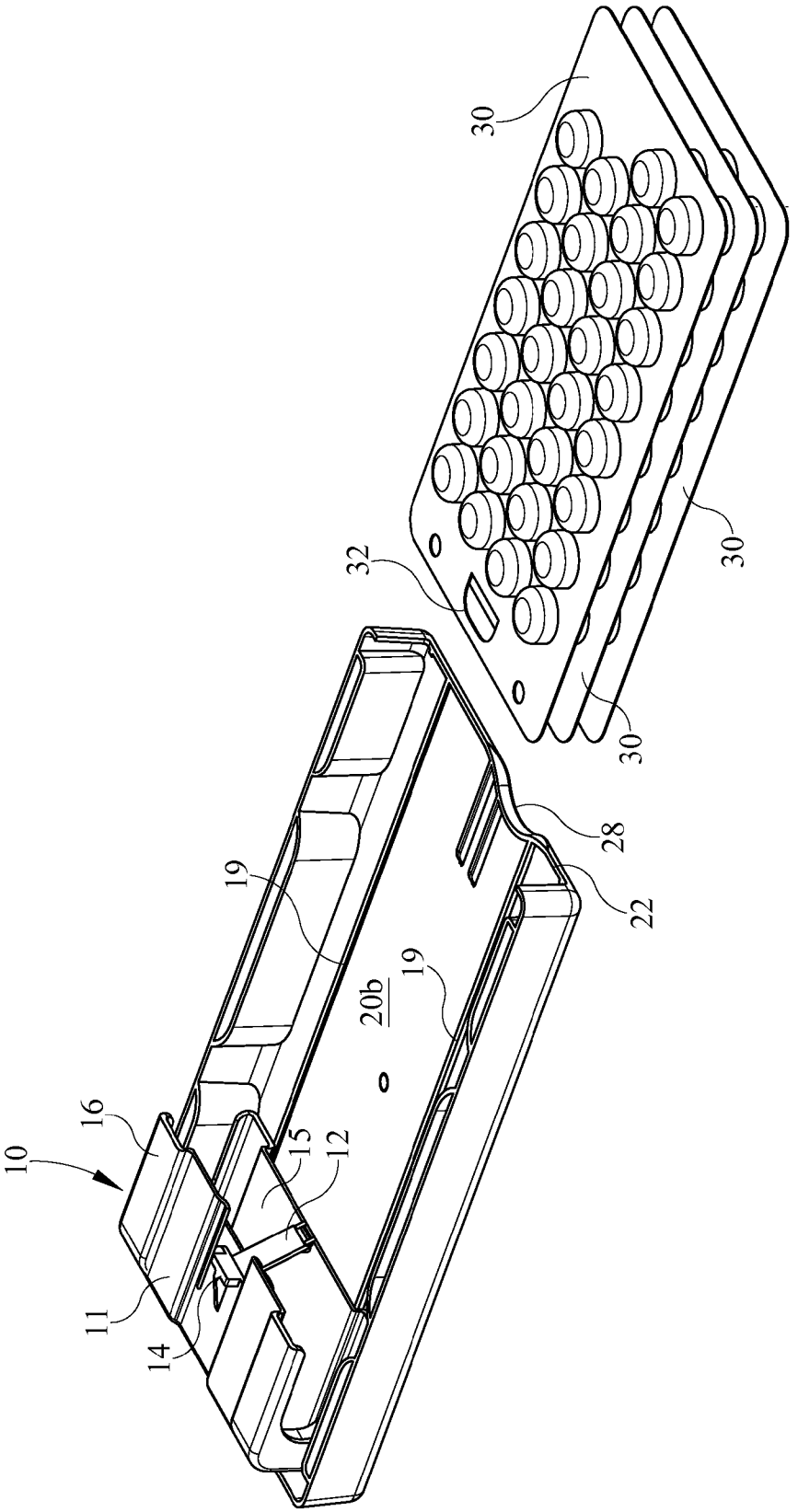


FIG. 2

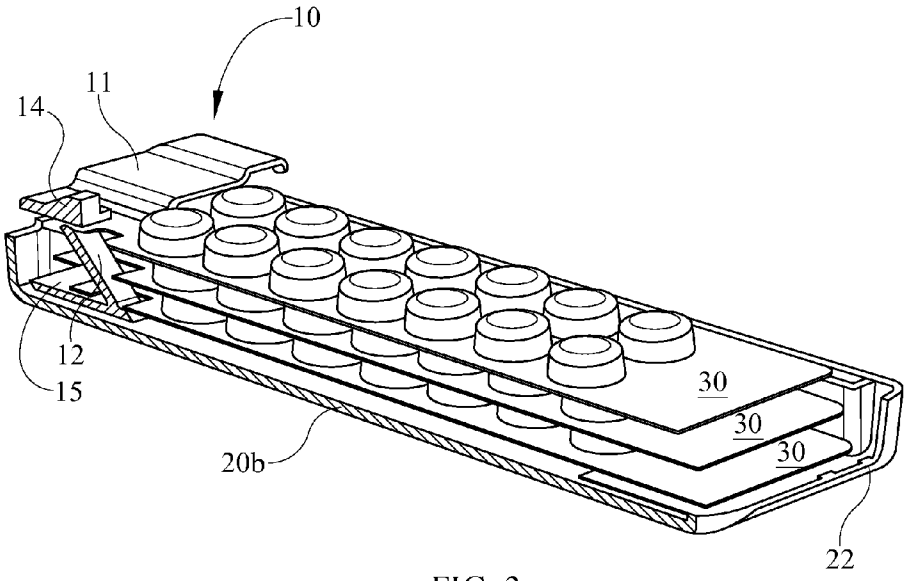


FIG. 3

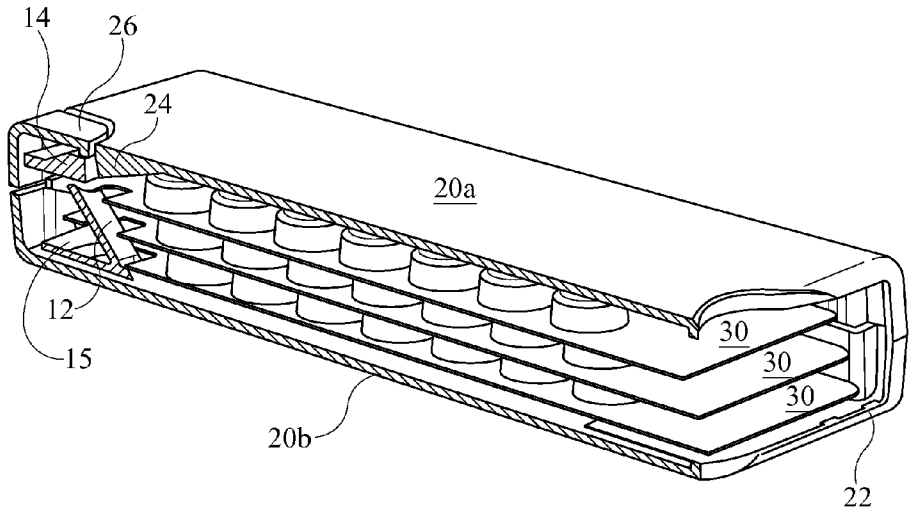


FIG. 4

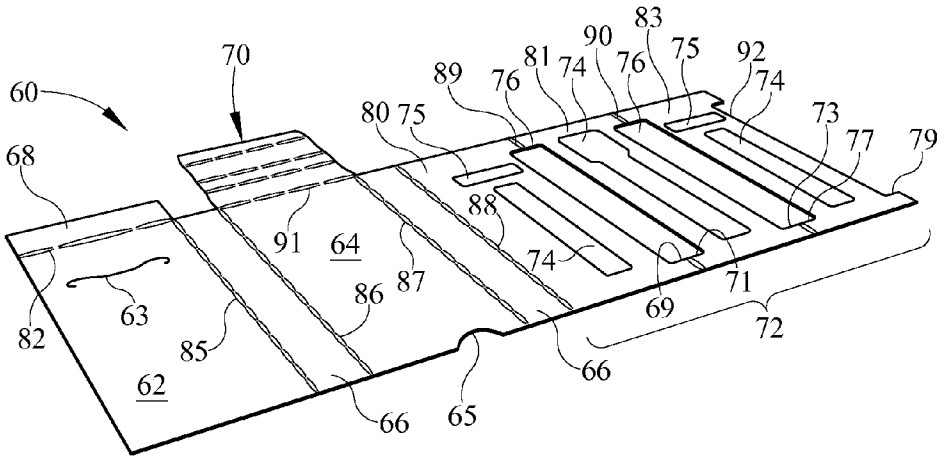

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FIG. 6

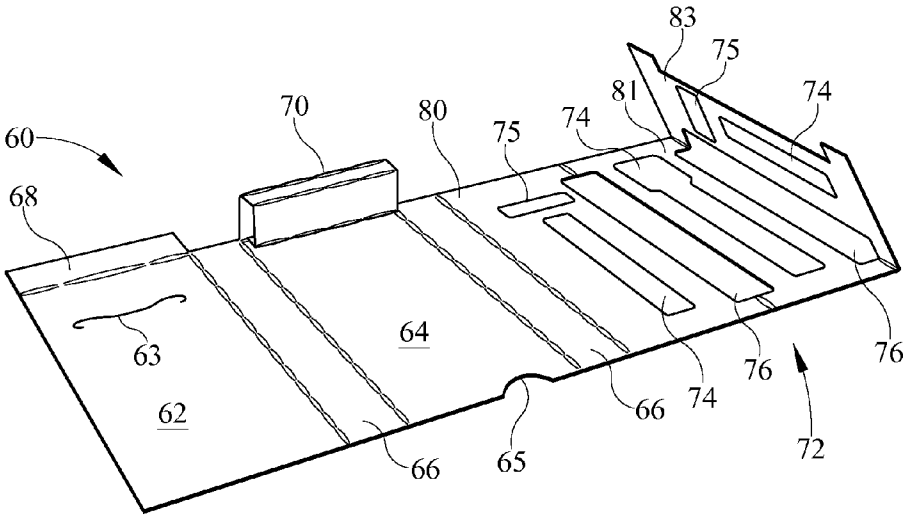
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FIG. 7

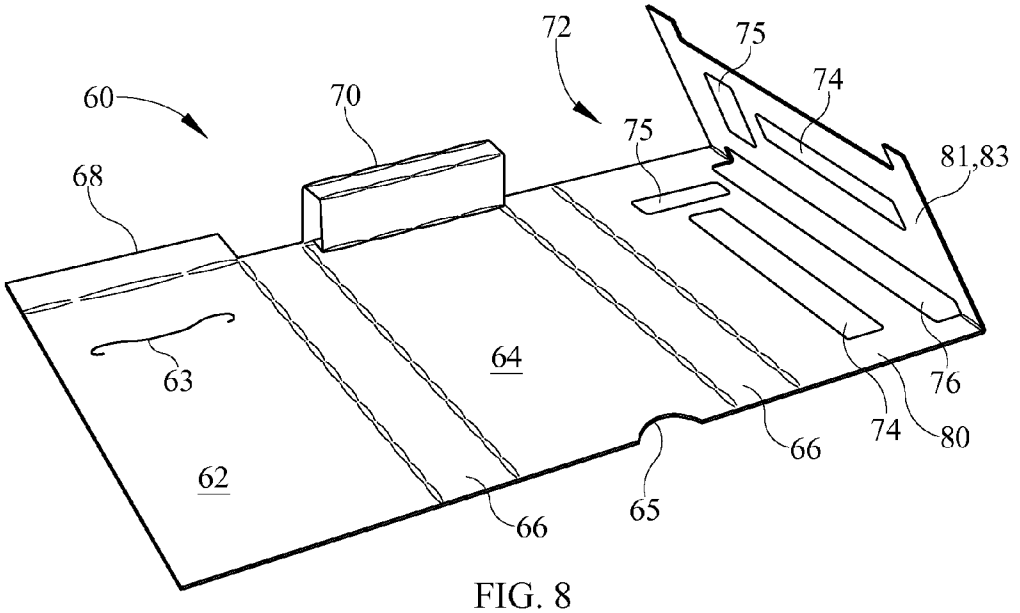
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FIG. 8

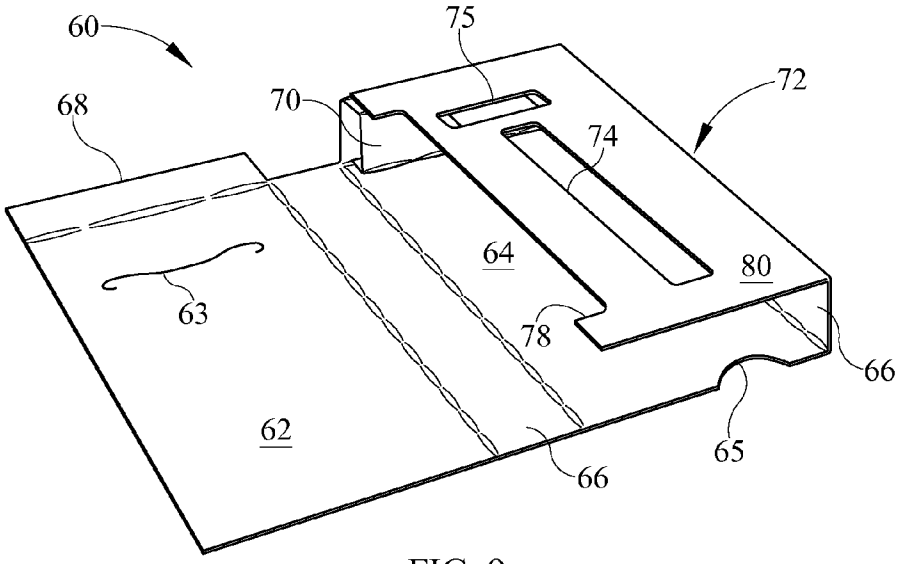
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FIG. 9

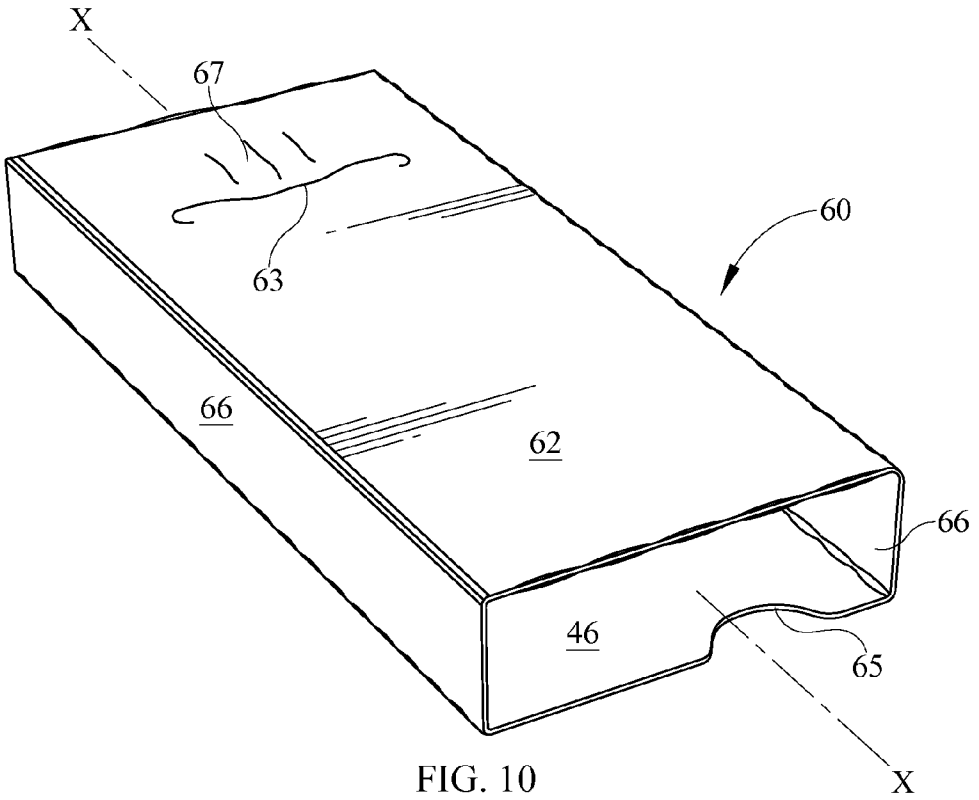

FIG. 10

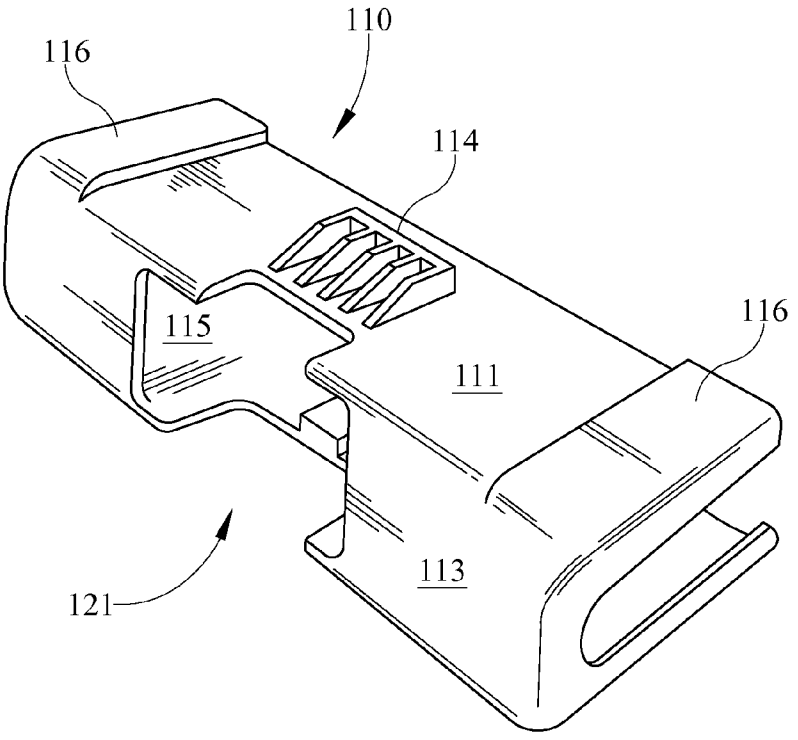

FIG. 14

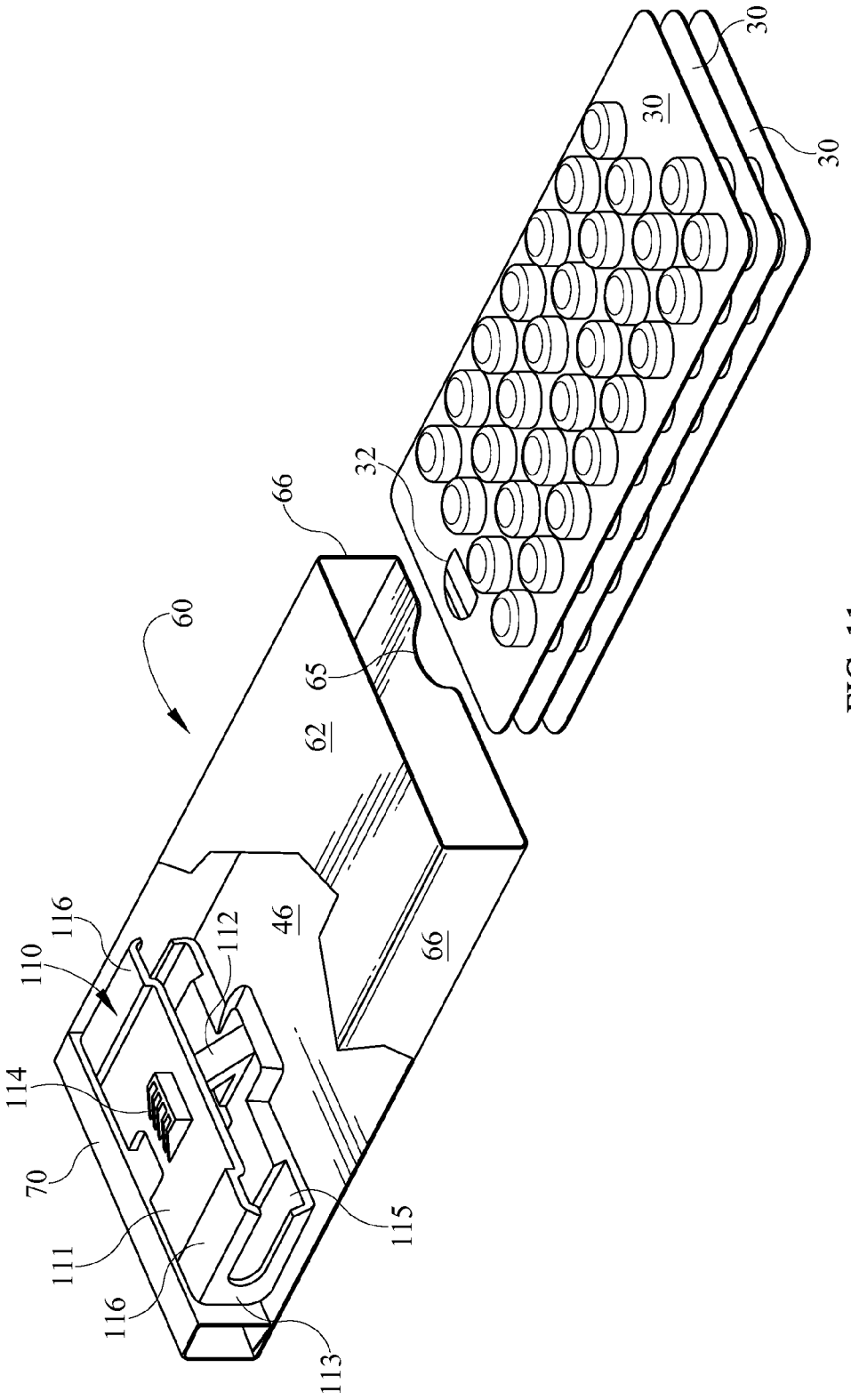

FIG. 11

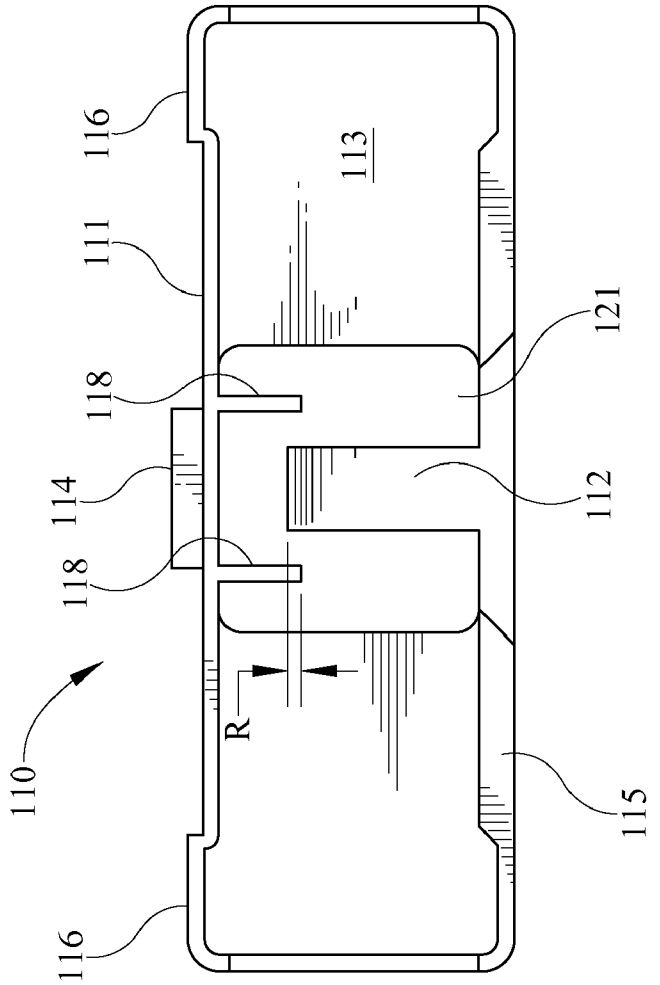
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FIG. 13

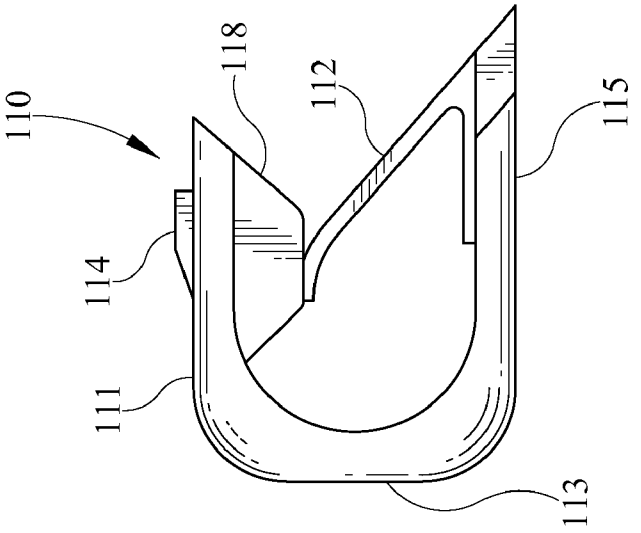
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FIG. 12

MULTI-PACK TRAVELER COMPONENT PACKAGE INSERT

BACKGROUND OF THE INVENTION

[0001] One form of pharmaceutical packaging is a blister pack. A blister pack is comprised of a generally flat substrate on one side and a plurality of bubble like cavities on the other side. Within each cavity is stored a unit dose of a pharmaceutical such as a pill, tablet, or capsule. The contents within the cavity need not be pharmaceutical per se, however. When a consumer wishes to access the contents of a blister, he presses down on the cavity 'bubble' causing the contents to pierce the bottom surface (usually foil or the like) of the blister pack.

[0002] Blister packages are a convenient primary form of packaging. However, blister packages generally require a secondary form of packaging. The secondary form of packaging serves to protect the primary package as well as providing a convenient form for labeling. More importantly, however, the secondary packaging can also provide a means for securing the primary package from children as a safety feature since the contents of the primary packages can often be dangerous.

[0003] One of the safety measures associated with the secondary packaging is the ability to 'lock' and 'unlock' a primary package within a secondary package. In general, a secondary package receives a primary package and can securely seat it within a chamber such that it can not be withdrawn without manipulating a locking mechanism.

[0004] Typical packaging solutions only accommodate a single primary package within a secondary package. In these solutions, the primary package itself is in a direct cooperative relationship with the secondary package. This can be inefficient if the contents of the primary package are used up rather quickly or if the primary package can only accommodate a relatively small number of discrete items.

[0005] Blister packages are not the only form of primary packaging that can be accommodated in the solutions described above. Such systems can protect primary packages that contain, for instance, medical devices such as syringes, dermal strip medications, liquid vials or ampules, etc. The primary package can be used to store and protect just about anything that can be retained by the relatively flat primary packaging medium.

[0006] What is needed is a secondary packaging solution that can accommodate multiple primary packages in a secure child resistant manner.

SUMMARY OF THE INVENTION

[0007] In one embodiment of the disclosure there is disclosed a packaging apparatus designed to accommodate one or more blister packages in a secure child-resistant manner. The one or each blister package is designed for storing packaging contents and has at least one engaging aperture. A shell or sleeve houses the plurality of blister packages. A traveler mechanism or clip is coupled with the one or more blister packages and adapted to fit within the hard plastic sleeve in a lockable slidable fashion. The traveler clip securely retains the one or more blister packages.

[0008] The hard plastic sleeve is comprised of plastic top and bottom portions that can be snap fit (or glued or otherwise adhered) together such that when fit together, the hard plastic sleeve defines an interior chamber that is open on one end and closed on the opposite end. The hard plastic sleeve is further comprises a locking stop extending downward from the interior surface of the top portion of the hard plastic sleeve and at least one exit stop on the interior surface of at least one of the top and bottom portions of the hard plastic sleeve positioned near the open end of the interior chamber.

[0009] The hard plastic sleeve further comprises a lock release tab positioned such that depressing the lock release tab while the traveler clip is in the locked position within the hard plastic sleeve will cause the locking face of the traveler clip to clear the locking stop of the hard plastic sleeve allowing the traveler clip to unlock and be slidably withdrawn from the hard plastic sleeve.

[0010] The top and bottom portions of the hard plastic sleeve further include a thumb/finger indent at the open end front edge to assist a person when grasping a blister package contained within the hard plastic sleeve.

[0011] The traveler clip is adapted to be seated within the interior chamber of the hard plastic sleeve in a lockable and slidable fashion. The traveler clip is a generally U-shaped hard plastic apparatus that includes a flexible dagger extending upwardly and back from the bottom surface of the traveler clip. The dagger is designed to fit within a blister pack aperture. The traveler clip further comprises a locking face portion designed to engage the locking stop of the hard plastic sleeve. The traveler clip also include at least one raised leading edge flat surface adapted to engage the at least one traveler stop on the hard plastic sleeve to prevent the traveler clip from being completely withdrawn from within the interior chamber of the hard plastic sleeve.

[0012] In another embodiment of the disclosure there is disclosed a packaging apparatus designed to accommodate one or more blister packages in a secure child-resistant manner. The one or more blister packages are designed to package contents (e.g., medicaments). The one or each package includes at least one engaging aperture. A sleeve houses the one or more blister packages. A traveler clip is coupled with the one or more blister packages and adapted to fit within the paperboard housing in a lockable slidable fashion. The traveler clip securely retains the one or more blister packages.

[0013] The paperboard housing is formed from a paperboard blank that is comprised of a series of panels that when folded define an interior chamber that is open on one end and closed on the opposite end. The assembled paperboard housing further comprises a release button that can extend downward into the interior chamber to release the traveler clip from its locked position.

[0014] The bottom panel of the paperboard housing further includes a thumb/finger indent at the open end front edge to assist a person when grasping a blister package contained within the paperboard housing.

[0015] The traveler clip is adapted to be seated within the interior chamber of the paperboard housing in a lockable and slidable fashion. The traveler clip is a generally U-shaped hard plastic apparatus that includes a flexible dagger extending upwardly and back from the bottom surface of the traveler clip. The dagger is designed to be inserted into each blister pack engaging aperture. The traveler clip further comprises a locking face portion designed to engage a traveler guide slot. The traveler clip also include at least one raised leading edge flat surface adapted to engage stop portions that are formed in assembling the paperboard housing to prevent the traveler

clip from being completely withdrawn from within the interior chamber of the paperboard housing.

BRIEF DESCRIPTION OF THE DRAWINGS

[0016] FIG. **1** is a perspective view of a traveler clip to be used with a packaging apparatus according to a first embodiment of the disclosure.

[0017] FIG. **2** is a perspective view of some of the components that form the packaging apparatus of the first embodiment of the disclosure.

[0018] FIG. **3** is a cross-sectional perspective view of the packaging apparatus of the first embodiment, showing the traveler clip seated within the bottom portion of the hard plastic sleeve and cooperatively engaged with one or more blister packages.

[0019] FIG. **4** is another cross-sectional perspective view of the packaging apparatus of the first embodiment, showing the traveler clip seated within the complete hard plastic sleeve and cooperatively engaged with one or more blister packages.

[0020] FIG. **5** is a perspective view of the packaging apparatus of FIG. **4**, showing the complete hard plastic sleeve in which one or more blister packages are received.

[0021] FIGS. **6-9** illustrate a blank of a paperboard sleeve used with a packaging apparatus according to a second embodiment of the disclosure, showing various folded stages of the blank.

[0022] FIG. **10** is a perspective view of the paperboard sleeve in its fully erected form.

[0023] FIG. **11** is a perspective view, partially cut away, of the packaging apparatus of the second embodiment, showing a traveler clip inside the sleeve and the blister packages outside the sleeve.

[0024] FIG. **12** is an end view of the traveler clip of FIG. **11**.

[0025] FIG. **13** is a front elevation of the traveler clip shown in FIG. **11**.

[0026] FIG. **14** is a top-rear perspective view of the traveler clip shown in FIG. **11**.

DETAILED DESCRIPTION OF THE EMBODIMENTS

[0027] One embodiment of the disclosure describes an improved packaging apparatus comprised of a sleeve made, for example of hard plastic, adapted to receive and house at least one blister packages bound by a traveler clip. Rather than having the one or more blister packages connect directly in a cooperative relationship with the sleeve, the one or more blister packages are coupled with the traveler clip. The traveler clip is then coupled with the sleeve in a cooperative relationship that permits the traveler to be securely housed within the sleeve yet also allows the traveler clip to be substantially withdrawn to expose the contents of the one or more blister packages.

[0028] For ease of description, the sleeve may also be referred to as a shell package throughout this disclosure. The sleeve or shell package is generally formed from two pieces of plastic (top and bottom portions) that snap fit to one another. They may also be glued or otherwise adhered. Once fitted together, one end of the sleeve remains substantially open and an interior chamber is formed that is adapted to house one or more blister packages. There are one or more locking and unlocking mechanisms on and about the sleeve and the traveler clip that operate to securely retain the one or more blister packages within the sleeve. To withdraw and expose the one or more blister packages, a consumer must know how to operate the sleeve to release the locking mechanism(s). These locking mechanisms provide the entire packaging solution with an enhanced degree of child resistant safety features.

[0029] FIG. **1** is a perspective view of a traveler clip **10** designed to use with the aforementioned packaging apparatus according to a first embodiment of the disclosure. The purpose of the traveler clip **10** is to (1) engage or bind one or more blister packages together, and (2) slidably and securely engage with a sleeve such that the one or more blister packages can be accessed by a user of the packaging apparatus.

[0030] The traveler clip **10** includes a pair of upper **11** and lower **15** panels connected together by a spine panel **13** to form a generally U-shaped frame structure. The traveler clip **10** is preferably formed of a hard plastic. Other suitable materials can be used such that the functionality of the traveler clip **10** is preserved. To achieve its first purpose, the traveler clip **10** includes an inclined dagger **12** that extends upward and backward from the lower panel **15** so that the upper end of the dagger **12** is positioned proximate the upper panel **11** with a small space retained between the upper panel **11** and the upper end of the dagger. The rear ends of blister packages **30** are inserted into that space one by one, or all at one time, till the aperture **32** of each blister package **30** clears the dagger **12**, receives the dagger **12** and becomes hooked thereon. The dagger **12** is inclined to the lower panel **15** such that it defines an acute angle with respect to the lower panel **15**. Such an inclined orientation of the dagger **12** allows the blister packages **30** to be retained and securely connected to the traveler clip **10** once the blister packages **30** are engaged with the dagger **12** (see FIGS. **3** and **4**).

[0031] To achieve the second purpose, the traveler clip **10** has been constructed and U-shaped to fit within the chamber defined by the assembled hard plastic sleeve **20***a* and **20***b* shown in FIG. **5**. The traveler clip **10** is designed such that it allows itself and the attached blister packages **30** to be seated within the chamber and to slide back and forth within the chamber. A locking lug **14** on the upper panel **11** of the traveler clip **10** is designed to engage portions of the hard plastic sleeve **20***a*, **20***b* to prevent unintentional withdrawal of the traveler clip **10**.

[0032] FIG. **2** is a perspective view of some of the components that form the first embodiment of the packaging apparatus of the disclosure. A bottom portion **20***b* of the hard plastic sleeve is shown with the traveler clip **10** seated therein toward the rear end of the bottom portion **20***b*. The bottom portion **20***b* has a pair of guiding ribs **19** on its inside surface. The guiding ribs **19** extend substantially parallel to the tubular axis X-X of the sleeve **20***a*, **20***b* (FIG. **5**). These ribs **19** slidingly engage feet **16** of the lower panel **15** to assist the traveler clip **10** in slidingly moving along the axis X-X of the sleeve **20***a*, **20***b*. The feet **16** project slightly downward from the lower surface of the lower panel **15** to be in direct sliding contact with the inside surface of the bottom portion **20***b*. The sleeve **20***a*, **20***b* further comprises a top portion **20***a* (not shown in FIG. **2**) that generally fits atop and covers the bottom portion **20***b*. The top portion **20***a* and the bottom portion **20***b* are generally snap fit (or glued or adhered in some other manner) together using a plurality of reciprocating connections (not shown). The result is a sleeve **20***a*, **20***b* that is closed at one end and open at the other end as is shown in FIG. **5**. The top **20***a* and bottom **20***b* portions also include a thumb/finger indent **28** at the open end front edge to assist a person when grasping a blister package **30** contained within the sleeve **20***a*,

20*b*. The top **20***a* and bottom **20***b* portions further include at least one exit stop portion **22** that act to block the path of the traveler clip **10** so that it can not be completely removed from the sleeve when blister packages **30** are withdrawn. More specifically, at least one of the feet **16** of the traveler clip **10** comes into engagement with the at least one exit stop portion **22** to prevent the clip **10** from fully withdrawn from the sleeve **20***a*, **20***b*. It is to be understood that the sleeve **20***a*, **20***b* may be made of other materials, including but not limited to paperboard.

[0033] The traveler clip **10** is adapted to fit snugly yet slidably within the chamber defined by the sleeve **20***a*, **20***b*. A plurality of blister packages **30** are also shown each containing a blister pack aperture **32** approximately positioned at the rear center edge of the blister package **30**. The blister pack apertures **32** are designed to slide over and hook onto the inclined dagger **12** of the traveler clip **10**.

[0034] FIG. **3** is a cross-sectional perspective view of the packaging apparatus of the first embodiment wherein the traveler clip **10** is seated within the bottom portion **20***b* of the sleeve and is cooperatively engaged with a plurality of blister packages **30**. This illustration affords a view of the traveler clip **10** within the bottom portion **20***b* coupled with the blister packages **30**. Each blister package **30** has been 'hooked' over the inclined dagger **12** of the traveler clip **10** using the engaging aperture **32**.

[0035] FIG. **4** is another cross-sectional perspective view of the packaging mechanism of the first embodiment in which the traveler clip **10** is seated within the complete sleeve **20***a* and **20***b* and is cooperatively engaged with a plurality of blister packages **30**. The traveler clip **10** further includes a locking lug **14** that can be depressed inward when an external force is applied. A pair of slots **17** are located on the opposite sides of the lug **14** to facilitate flexing of a portion of the upper panel **11** between the slots **17** (FIG. **1**). The locking lug **14** is designed to engage and cooperate with a locking stop **24** that is part of the inside surface of the top portion **20***a* of the sleeve proximate the closed end of the sleeve **20***a*, **20***b*. As the traveler clip **10** slides into the chamber of the sleeve **20***a*, **20***b* and approaches the rearmost position next to the closed end of the sleeve, it encounters the locking stop **24** and allows its locking lug **14** to be depressed inward as the lug **14** rides up the tapered aspect of the locking stop **24**. Once clearing the locking stop **24**, the locking lug **14** snaps back to its original position such that it now abuts the locking stop **24**. In this 'locked' position, the traveler clip **10** can not be withdrawn (without unlocking) because the lug **14** will engage the locking stop **24** whenever the combination traveler clip **10** and blister packages **30** is attempted to be withdrawn. However, if the lock release tab **26** on the sleeve top portion **20***a* were to be depressed enough by the user, it would cause the locking lug **14** to clear the non-tapered straight edge of the locking stop **24** to allow the traveler clip **10** to be withdrawn.

[0036] FIG. **5** is a perspective view of the complete packaging apparatus wherein the plurality of blister packages **30** are fully received and secured within the sleeve **20***a*, **20***b*. The sleeve top portion **20***a* and bottom portion **20***b* can share a common edge seam and are generally snap fit together using a plurality of reciprocating connections (not shown). The size and depth of the hard plastic sleeve **20***a* and **20***b* and traveler clip **10** are generally a function of the number and depth of the blister packages **30**. The greater the number of blister packages **30** to be included in the sleeve **20***a*, **20***b*, the deeper the sleeve **20***a* and **20***b* and traveler clip **10**.

[0037] To withdraw and access a blister package **30** from the sleeve **20***a* and **20***b*, one would grasp the entire packaging apparatus with both hands. One hand would grasp the closed end of the sleeve **20***a*, **20***b* such that the thumb (or other finger) was atop the lock release tab **26** on the top portion **20***a* while at least one other finger is positioned somewhere on the bottom portion **20***b*, allowing for a pinching movement. The user's other hand would grasp at least one of the blister packages **30** between the thumb and another finger using the indent area **28** on the open end of the top **20***a* and bottom **20***b* portions of the sleeve. The indent area **28** functions as a means of access to the blister packages **30**. Next, the user depresses the lock release tab **26** until it contacts and forces downward the locking lug **14** of the traveler clip **10**. Once the locking lug **14** clears the locking stop **24**, the user can pull on the blister packages **30** causing the traveler clip **10** to slide outward toward the open end of the sleeve thereby exposing the blister packages **30**. The traveler clip **10** can continue until its own leading edge or feet **16** encounter the exit stop portions **22** of the top **20***a* and/or bottom **20***b* portions of the sleeve . The feet **16** and stop portions **22** prevent the traveler clip **10** (and blister packages **30**) from being completely separated from the sleeve.

[0038] To load a plurality of blister packages **30** into the packaging solution, the traveler clip **10** is seated at the rearmost or locked position next to the rear end of the bottom portion **20***b* of the sleeve. The top portion **20***a* of the sleeve is then attached to the bottom portion **20***b* such that the traveler clip **10** is locked in place (locking lug **14** abuts locking stop **24**). One by one, or all at one time, blister packages **30** can be inserted through the open end of the sleeve **20***a*, **20***b* such that the rear end of each blister package having the aperture **32** leads. The aperture **32** of each blister package **30** has been positioned on the respective blister package **30** such that it aligns with the backwardly inclining dagger **12** of the traveler clip **10**. The blister package **30** eventually reaches the dagger **12** and will ride up the incline until the aperture **32** clears the dagger **12** and becomes hooked thereon. The blister package **30** can not be removed from the dagger **12** due to the backward inclination of the dagger **12** causing it to behave like a barbed hook. Additional blister packages **30** can be inserted and hooked as just described. The ability to attach the blister packages **30** after the traveler clip **10** has been secured within the sleeve **20** is unique to this solution.

[0039] It should be noted that the locking mechanisms that is formed of the locking lug **14**, stop **24** and release **26** may be placed on the top portion **20***a* of the packaging apparatus, the bottom portion **20***b* of the packaging apparatus or on both the top and bottom portions **20***a*, **20***b* of the packaging apparatus. More specifically, the lug **14** may be formed on the lower panel **15** to extend downward therefrom while the stopper **26** and release **26** are formed on the bottom portion **20***b* of the sleeve.

[0040] FIGS. **6-14** show a second embodiment of the packaging apparatus according to the disclosure. In this embodiment, a traveler clip **110** (FIGS. **11-14**) can be utilized with a paperboard sleeve in place of the hard plastic sleeve **10** described above. FIGS. **6-10** illustrate a blank **60** of a paperboard sleeve in various folded stages for assembling an erected sleeve (FIG. **10**) adapted to receive the traveler clip **110**. The folding process shown in FIGS. **6-10** progress from a completely flat, unfolded form (FIG. **6**) of blank to a fully

assembled three-dimensional form (FIG. **10**) through intermediate forms (FIGS. **7-9**) in which the blank **60** is partially folded and/or glued.

[0041] FIG. **6** illustrates the paperboard blank **60** in a completely flat form prior to any assembly. The paperboard blank **60** is comprised of a top panel **62** with an end panel **68** hingedly connected along a fold line **82**, a first side panel **66** hingedly connected to the top panel **62** along a fold line **85**, a bottom panel **64** with end stop panels **70** hingedly connected to the bottom panel **64** along a fold line **91**, and a second side panel **66** hingedly connected to the bottom panel **64** along a fold line **87**. The side panels **66** are included to provide a height dimension once the paperboard blank **60** is fully assembled. To accommodate the sliding action of the traveler clip **110**, a traveler guide section **72** comprised of three foldable panels **80**, **81** and **83** is connected to the second side panel **66** as part of the paperboard blank **60**. The first guide panel **80** is hingedly connected to the second side panel **66** along a fold line **88**. The second guide panel **81** is hingedly connected to the first guide panel **80** along a fold line **89**. The third guide panel **83** is hingedly connected to the second guide panel **81** along a fold line **90**. Each of the first and third guide panels **80** and **83** includes a traveler guide slot **74**, and a locking slot **75**. Other cut out areas **76** and **92** also provided. One of the cutout areas **76** is defined at a location between the first **80** and second **81** guide panels such that it interrupts the fold line **89**. The other cutout area **76** is defined at a location between the second **81** and third **83** guide panels such that it interrupts the fold line **90**. The cutout area **92** is defined along the free longitudinal edge of the third guide panel **83**. When the blank is set up, the guide panels **80**, **81** and **83** form a layered structure (at "**72**" in FIG. **9**) in which the traveler guide slots **74** are substantially aligned along the thickness of the layered structure to define a lengthwise channel parallel to the tubular axis X-X of the sleeve formed from the blank **60** (see FIG. **10**). The lengthwise channel can slidably receive a lug **114** of the traveler clip **110** and allows the traveler clip **110** to move in and out along the tubular axis X-X of the paperboard sleeve. As also shown in FIG. **9**, the locking slots **75** are also aligned along the thickness of the layered structure (**72**) to define a single locking stop (in the form of a channel) for receiving and engaging the locking lug **114** (see FIGS. **11** and **14**) of the traveler clip **110**. The lug **114** is received in the locking stop to retain the traveler clip **110** in a locked position when it is fully inserted into the paperboard sleeve.

[0042] FIG. **7** illustrates the blank **60** after the first step of assembly in which the third guide panel **83** is folded over the second guide panel **81**. The end stop panels **70** have also been folded over and glued or otherwise adhered down to the bottom panel **64** to form a tubular end barrier **70** for closing the rear end of the paperboard sleeve. FIG. **8** illustrates the next step in which the combined layers **81**/**83** of the second and third guide panels **81**, **83** are folded onto the first guide panel **80**. At this step, as discussed above, all of the guide slots **74** are aligned with each other while both the locking slots **75** are aligned with each other. FIG. **9** shows the entire traveler guide section **72** folded over to form the interior layered structure of the paperboard sleeve. Traveler guide slots **74** form the guide channel for the traveler clip **110** while locking slots **75** form the locking stop for securing the traveler clip **110** within the paperboard sleeve. A stop portion **78** is formed from the edges **69**, **71**, **79** (see FIG. **6**) of the three guide panels **80**, **81**, **83** that have been aligned with each other. Another stop portion (hidden from view) is present on the right side of the layered structure **72**. Such another stop portion is formed from the edges **73**, **77** of the second and third guide panels **81**, **83**. These stop portions provide means for engaging shoulders **116**, **116** of the traveler clip **110** to prevent the clip **110** from fully withdrawn from the sleeve.

[0043] FIG. **10** illustrates the paperboard sleeve **60** fully assembled with the top panel **62** folded up and over the layered structure or traveler guide section **72**. The end panel **68** is folded over the end barrier **70** and secured thereto with an adhesive. The top panel **62** is also adhered to the traveler guide section **72** by means of an adhesive. The end result is a rectangular sleeve having one open end for receiving and seating a combination traveler clip **110** and blister packages **30**.

[0044] FIG. **11** shows the assembled paperboard sleeve **60** of FIG. **10** with a traveler clip **110** contained therein. The release button **67** is defined by cut **63** in the top panel **62**. The release button **67** sits directly above the locking stop provided by the locking slots **75** (see FIG. **9**). The traveler clip **110** locking lug **114** extends upward from the upper panel **111** of the traveler clip **110** and will contact the front edge of the locking stop defined by the locking slots **75** if the traveler clip **110** is pulled toward the open end of the sleeve **60** without pressing on the release button **67**. The cut or slit **63** allows a user to depress the release button **67**, i.e., an area of the top panel **62** behind the slit **63**, such that the release button **67** contacts and forces downward the locking lug **114** of the traveler clip **110**. When the locking lug **114** is depressed sufficiently, it will clear the locking slots **75** and can be slid along the guide channel defined by the guide slots **74** by applying a pulling force on the blister package(s) **30** attached to the traveler clip **110**. The traveler clip **110** can continue to be withdrawn along the guide channel until the shoulders **116** and the locking lug **114** of the traveler clip **110** contact the stop portions **78** and the forward end of the guide slots **74** (channel) respectively. By this means, the traveler clip **110** is prevented from being completely removed from the paperboard sleeve. However, either the shoulders **116** may be omitted along with its cooperating stopper, i.e., the stop portions **78**. However, the shoulders **116** or feet such as shown in FIG. **1** may be used to function as a locking lug when cooperating stopper and stop portion are provided by the sleeve. In such an embodiment, the locking lug **114** and its cooperating stopper, i.e., the guide channel **74**, may be omitted instead of the shoulders and its cooperating elements. The side panels **66**, in such an embodiment, provide a guide for the traveler clip **110** by slidingly contacting the opposite ends of the traveler clip **110**.

[0045] FIGS. **12-14** illustrate details of the traveler clip **110**. The traveler clip **110** has a generally U-shaped frame structure formed of a pair of upper **111** and lower **115** panels integrally interconnected by a spine panel **113**. The dagger **112** extends upward and backward from the lower panel **115** to the position spaced from the upper panel **111**. A pair of retainer ribs **118**, **118** extend downward from the upper panel **111**. The retainers **118**, **118** are located on the opposite sides of the dagger **112** as viewed in FIG. **13**. The lower ends of the retainer ribs **118**, **118** reach the elevation substantially equal to, or slightly lower than, the elevation of the upper end of the dagger **112**. The reference letter "R" in FIG. **13** designates a vertical distance between the upper end of the dagger **112** and the lower ends of the retainer ribs **118**. Once the blister packages **30** are hooked on the dagger **112**, the retainer ribs **118**, **118** prevent the packages **30** from being disengaged from the

dagger **112** since the ribs **118**, **118** do not allow the packages **30** to be lifted beyond the elevation of the lower ends of the ribs **118**, **118**. An opening **121** is defined in the spine panel **113** to allow fingers or tools to be inserted therethrough to facilitate disengagement of the blister packages **30** from the dagger **112** after the contents of the blister packages **30** are consumed.

[0046] It is believed that the present disclosure includes many other embodiments that may not be herein described in detail, but would nonetheless be appreciated by those skilled in the art from the disclosures made. Accordingly, this disclosure should not be read as being limited only to the foregoing examples or only to the designated preferred embodiments.

1. A packaging apparatus comprising: clip

At least one blister package for storing packaging contents, the at least one blister package including an engaging aperture;

a sleeve for housing the at least one blister packages; and

a traveler clip comprising a dagger that is received in the engaging aperture to allow the at least one blister package to be joined the traveler clip, the traveler clip received in the sleeve in a lockable and slidable fashion.

2. The packaging apparatus of claim **1** wherein the sleeve has an open end and an opposite closed end.

3. The packaging apparatus of claim **2** wherein the sleeve further comprises a locking stop on the sleeve, and the traveler clip comprises a locking element for engaging with the locking stop to lock the traveler clip.

4. The packaging apparatus of claim **3** wherein the traveler clip is received in the sleeve for sliding movement between a rearmost position where the traveler clip allows the locking element to be in engagement with the locking stop of the sleeve to prevent the traveler clip from moving toward the open end of the sleeve and a forwardmost position where the traveler clip allows the locking element to be in engagement with a locking portion of the sleeve to prevent the traveler clip to be completely withdrawn from the sleeve.

5. The packaging apparatus of claim **4** wherein the sleeve further comprises a release element disposed such that depressing the release element while the traveler clip is in the rearmost position will cause the locking element of the traveler clip to clear the locking stop of the sleeve allowing the traveler clip to be move toward the forwardmost position.

6. The packaging apparatus of claim **4** wherein the rearmost position is located proximate the closed end of the sleeve and the front most position is located proximate the open end of the sleeve.

7. The packaging apparatus of claim **4** wherein the locking element projects upward from an upper panel of the traveler clip, and the stop portion is provided adjacent to the open end of the sleeve.

8. The packaging apparatus of claim **4** wherein the locking element project downward from a lower panel of the traveler clip, and the stop portion is provided adjacent to the open end of the sleeve.

9. The packaging apparatus of claim **2** wherein the sleeve further comprises a finger indent at the open end of the sleeve to assist a person when grasping the at least one blister package.

10. The packaging apparatus of claim **1** wherein the traveler clip comprises a substantially U-shaped frame structure including a pair of upper and lower panels connected together by a spine panel.

11. A packaging apparatus comprising:

at least one blister package that contains a plurality of contents, the at least one the blister package including an engaging aperture;

a sleeve in which the at least one blister package is received; and

a traveler clip slidably received in the sleeve, the traveler clip comprising a substantially U-shaped frame structure and a dagger engaged with the at least one blister packages by the engaging aperture, the frame structure including a pair of upper and lower panels interconnected by a spine panel, the dagger extending upward from the lower panel substantially toward the spine panel.

12. The packaging apparatus of claim **11** wherein the traveler clip further comprises a locking element for releasable engagement with the sleeve.

13. The packaging apparatus of claim **12** wherein the sleeve comprising a series of foldable panels including a top panel, a bottom panel, a pair of side panels, and traveler guide section panels that can be folded to form the sleeve.

14. The packaging apparatus of claim **13** wherein the traveler guide section panels include cut out slots defining a channel for slidably engaging the locking element of the traveler clip and cut out slots defining a locking stop for receiving and securing the locking element of the traveler clip such that the locking element abuts edges of the cut out slots to prevent sliding movement of the traveler clip.

15. The packaging apparatus of claim **14** wherein the top panel further includes a slit therein, the slit at least partially defines a release button such that depressing the release button frees the locking element from the edges of the cut out slots.

16. The packaging apparatus of claim **15** wherein the sleeve further comprises at least one stop portion positioned near an open end of the sleeve, the at least one stop portion engages the locking element of the traveler clip to prevent the traveler clip from being completely withdrawn from sleeve.

17. The packaging apparatus of claim **13** wherein the bottom panel of the sleeve includes a finger indent at an open end front edge thereof to assist a person in grasping the at least one blister package.

18. The packaging apparatus of claim **11** wherein the traveler clip further comprises at least one retainer rib extending downward from the upper panel of the frame structure, a lower end of the retainer rib reaches an elevation substantially equal to, or slightly lower than, an upper end of the dagger.

19. The packaging apparatus of claim **11** wherein the traveler clip further comprises an opening that is defined in the spine panel to allow fingers or tools to be inserted therethrough to facilitate disengagement of the blister packages from the dagger.

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