

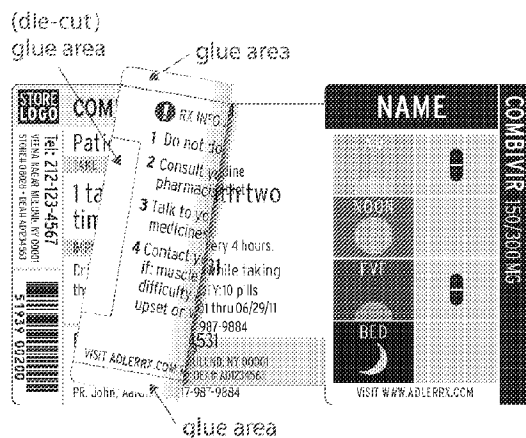


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(57) Abrégé/Abstract:

The present invention relates to systems, methods, and apparatuses for the management, distribution, dispensing, and administration of consumer products, including over-the-counter and prescription medications through use of a product container labeling system and an optional integrated computer-based or online management system. In certain aspects, the invention relates to a product container comprising a hollow body, a child-resistant cap, and a specialized information label affixed to the hollow body.

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[Continued on next page]

(54) **Title:** METHODS, SYSTEMS AND APPARATUSES FOR MANAGEMENT AND STORAGE



FIG. 7C

(57) **Abstract:** The present invention relates to systems, methods, and apparatuses for the management, distribution, dispensing, and administration of consumer products, including over-the-counter and prescription medications through use of a product container labeling system and an optional integrated computer-based or online management system. In certain aspects, the invention relates to a product container comprising a hollow body, a child-resistant cap, and a specialized information label affixed to the hollow body.

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METHODS, SYSTEMS AND APPARATUSES FOR MANAGEMENT AND STORAGE

FIELD OF THE INVENTION

The present invention relates generally to management and storage,
5 particularly management and storage of consumer products including medication and other
regulated consumables.

BACKGROUND OF THE INVENTION

Studies consistently show that patients have limited “health literacy.” In other
words, patients, generally speaking, have limited understanding of the role they should play in
10 their own health care, and more specifically, how to take and manage their medications.
Limited patient health literacy results in limited use of preventive services, delayed diagnoses,
lack of understanding of medical conditions, failure to adhere to medical instructions, poor
self-management skills, increased risk of hospitalization, poor physical and mental health,
increased mortality risk, and greater healthcare costs. Some studies have shown these costs to
15 range between \$106 and \$223 billion per year. What is needed is a comprehensive system
enabling patients, physicians and pharmacists to more effectively communicate, and for
patients to gain a greater understanding of their own health care and medication management.

The present invention solves these and other problems involved in the current
state of the art, as will be explained below.

BRIEF SUMMARY OF THE INVENTION

The present disclosure is best understood with reference to the claims, the
entire specification, and the drawings submitted herewith, which describe the systems,
methods, and apparatuses of the present disclosure in greater detail. The summary is merely
intended to convey aspects of illustrative embodiments.

25 The present disclosure relates to systems, methods, and apparatuses for the
management, distribution, dispensing, and administration of consumer products, such as over-

the-counter and prescription medications, through use of a product container labeling system and an optional integrated computer-based or online management system.

In certain aspects, the invention relates to a product container, e.g., medication container, comprising a hollow body, a child-resistant cap, and a specialized information label
5 affixed to the hollow body. In certain embodiments, the hollow body may have a squared form that has a rectangular longitudinal shape and a rectangular or square cross-section, with one corner cut across.

In certain embodiments, the specialized information label may be configured such that, upon being affixed to the hollow body, one side of the hollow body is visible, such
10 that that contained product, e.g., medication, is easily visible through the label. In addition, in certain embodiments, the label may provide extra space for relevant information by providing fold-out panels.

In certain aspects, information printed on the specialized label may be correlated or linked with a computerized or online management system, such as an interactive
15 website to keep, e.g., users, distributors, manufacturers, patients, pharmacists, physicians and other interested parties organized and informed with respect to user's activities, e.g., all of a patient's prescribed and over-the-counter medications.

According to one aspect of the present invention, there is provided a product container comprising: a hollow body having a top portion, a bottom portion and side portions
20 extending between the top and bottom portions to enclose the hollow body; wherein the top portion of the hollow body further includes a neck having threads; wherein the side portions of the hollow body are configured such that one or more corners, edges, or select portions of a cross-sectional form of the hollow body are cut-off at an angle to create one or more longitudinal flat portions; a cap having a top portion, a bottom portion and side portions
25 extending between the top and bottom portions, and configured so as to correspond in cross-sectional shape with the hollow body such that the cap includes one or more longitudinal flat portions that align with the one or more longitudinal flat portions of the hollow body when the cap is secured to the hollow body; wherein the cap includes a socket having threads generally

corresponding to the threads of the neck of the hollow body so as to engage and secure closure of the cap to the neck of the hollow body; a single-sided specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel, wherein the at least one information panel has visual, pictorial

5 administration instructions, and wherein the at least one information panel having visual, pictorial administration instructions comprises: two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, a

10 representation of the amount of the medication to be taken during the timeframe, wherein the representation of the amount of the medication is an icon; and wherein the two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the two or more divided areas facing outwards in

15 the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

According to another aspect of the present invention, there is provided a single-sided specialized information label configured to be affixed to a product container, the label comprising multiple information panels including a panel having visual, pictorial medication

20 administration instructions and a fold-out product information panel; wherein the panel of the specialized information label having visual, pictorial administration instructions comprises: two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including,

25 in the corresponding subareas, a representation of the amount of medication to be taken during the timeframe, the representation of the amount of the medication is an icon; and wherein the two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the two or more divided areas

facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

According to still another aspect of the present invention, there is provided a medication container comprising: a hollow body; and a specialized information label affixed
5 to the hollow body, wherein the specialized information label comprises at least one information panel comprising visual, pictorial administration instructions pre-printed directly on the at least one information panel, and wherein the at least one information panel having the pre-printed visual, pictorial administration instructions comprises: two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a
10 pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, an icon representation of the amount of the medication to be taken during the timeframe as indicated in the corresponding subarea of said one of the divided areas; and wherein the two or more divided areas are configured to display visual alignment of the
15 amount of the medication taken during the timeframe across a next medication container when the medication container and the next medication container are arranged with the two or more divided areas facing outwards in the same direction, so that the timeframes of the medication container and the next medication container are aligned horizontally or vertically.

According to yet another aspect of the present invention, there is provided a
20 medication container comprising: a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body; and a specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel comprising visual, pictorial administration instructions pre-printed directly on the at least one information panel, and
25 wherein the at least one information panel having the visual, pictorial administration instructions comprises: two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, an icon representation of
30 the amount of the medication to be taken during the timeframe as indicated in the

corresponding subarea of said one of the divided areas; and wherein the two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across a next medication container when the medication container and the next medication container are arranged with the two or more divided areas facing outwards in the same direction, so that the timeframes of the medication container and the next medication container are aligned horizontally or vertically.

According to a further aspect of the present invention, there is provided a medication packaging comprising: a plurality of medication containers; and a specialized information label affixed to said medication packaging, wherein the specialized information label comprises at least one information panel comprising pre-printed visual, pictorial administration instructions, and wherein the at least one information panel having the pre-printed visual, pictorial administration instructions comprises: two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, an icon representation of the amount of the medication to be taken during the timeframe; and wherein said two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across said plurality of medication containers as arranged in said medication packaging, so that the timeframes of each of the plurality of medication containers are aligned horizontally or vertically.

According to a still further aspect of the present invention, there is provided a product container comprising: a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body; wherein the top portion of the hollow body further includes a neck having threads; a specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel, wherein the at least one information panel has visual, pictorial administration instructions, and wherein the at least one information panel having visual, pictorial administration instructions comprises: (i) a representation indicating a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the

timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each representation of the amount of the medication is selected from the group consisting of an icon, a pictorial representation, and a combination thereof; and wherein the at least one information panel is configured to display visual
5 alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the at least one information panel facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

According to another aspect of the present invention, there is provided a
10 product container comprising: a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body; wherein the top portion of the hollow body further includes a neck having threads; a specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel, wherein the at least one information panel has
15 visual, pictorial administration instructions, and wherein the at least one information panel having visual, pictorial administration instructions comprises: an area separated into one or more subareas, each of the one or more subareas indicating (i) a representation of a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the timeframe is
20 selected from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each representation of the amount of the medication is selected from the group consisting of an icon, a pictorial representation, and a combination thereof; and wherein the area is configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next
25 product container are arranged with the areas facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

According to still another aspect of the present invention, there is provided a single-sided specialized information label configured to be affixed to a product container, the
30 label comprising multiple information panels including a panel having visual, pictorial

medication administration instructions and a fold-out product information panel; wherein the panel of the specialized information label having visual, pictorial administration instructions comprises: an area separated into one or more subareas, each of the one or more subareas including (i) an icon or pictorial representation indicating a timeframe in which a medication
5 may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the amount of the medication is selected from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each representation of the timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof; and wherein the area is configured
10 to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the areas facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

According to yet another aspect of the present invention, there is provided a
15 medication packaging comprising: a plurality of medication containers; and a specialized information label affixed to said medication packaging, wherein the specialized information label comprises at least one information panel comprising pre-printed visual, pictorial administration instructions, and wherein the at least one information panel having the pre-printed visual, pictorial administration instructions comprises: an area separated into one or
20 more subareas, each of the one or more subareas including (i) an icon or pictorial representation indicating a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the amount of the medication is selected from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each representation of
25 the timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof; and wherein the area is configured to display visual alignment of the amount of the medication taken during the timeframe across said plurality of medication containers as arranged in said medication packaging, so that the timeframes of each of the plurality of medication containers are aligned horizontally or vertically.

Additional objects, advantages and novel features of this invention will be set forth in part in the detailed description that follows, and in part will become apparent to those skilled in the art upon examination of the following description, or may be learned by practicing the invention.

5

BRIEF DESCRIPTION OF THE DRAWINGS

In the accompanying drawings that form a part of the specification and are to be read in conjunction therewith, the present invention is illustrated by way of example and not limitation, with like reference numerals referring to like elements, wherein:

FIG. 1 is a top right perspective view of a squared product container with the
10 cap attached according to one embodiment.

FIG. 2 is a top right perspective view of a product container with the cap detached according to one embodiment.

FIGS. 3A-3B illustrate bottom front and right perspective views of a cap according to embodiments.

15 FIG. 4 is a rear and left side view of a product container with a specialized label attached and folded out according to one embodiment.

FIGS. 5A-5B illustrate front and rear views of a label detached from a product container and folded out according to embodiments.

FIG. 6 illustrates a front view of an alternative label detached from a product container and folded out according to an embodiment.

5 FIGS. 7A-7E illustrate a front view of an alternative label in a flat, open position (detached from a container, 7A), a folded in, closed position (detached from a container, 7B), a partially opened position (detached from a container, 7C), a folded out position (detached from a container, 7D), and full views of closed labels attached to exemplary round containers (7E), according to an embodiment.

10 FIGS. 8A-8I describe and illustrate an exemplary interactive medication management system according to an embodiment.

DETAILED DESCRIPTION

In the following detailed description, numerous specific details are set forth in order to provide a thorough understanding of embodiments of the disclosure. In other instances, well known structures, interfaces, and processes have not been shown in detail, as they are understood by those of skill in the art. It is intended that no part of this specification be construed to effect a disavowal of any part of the full scope of the disclosure.

The present invention relates to systems, methods, and apparatuses for the management, distribution, dispensing, and administration of consumer products, such as over-the-counter and prescription medications through use of a product container labeling system and an optional integrated computer-based or online management system. In certain embodiments, the invention relates to systems, methods, and apparatuses for use in connection with over-the-counter and prescription medications or other regulated consumer products. However, the invention is not so limited, and may be used in connection with any general consumer product, container and labeling system, etc., as may be understood by one of skill in the art. For instance, the specialized information label systems described herein may be used in connection with any suitable consumer product container, e.g., re-usable water or drink bottle, food container, drink container, etc. As will be recognized, the specialized information label systems of the invention may be used to provide required labeling, contents, ingredients, instructions, warnings, etc., for any consumer product, and can be configured to accommodate any consumer product packaging.

In certain aspects, the invention relates to a product container comprising a hollow body, a child-resistant cap, and a specialized information label affixed to the hollow body. In

certain embodiments, the hollow body may have a squared form that has a rectangular longitudinal shape and a rectangular or square cross-section, optionally with one corner cut across. In other embodiments, the hollow body may have a rounded form, optionally with one corner cut across.

5 More particularly, the cap and the neck of the hollow body provide a unique child-resistant mechanism. In certain embodiments, the mechanism is tabbed, requiring a user to press the corners of the hollow body instead of the sides. This closure provides the spring mechanism required to reposition the tab after it has been reassembled onto the container.

10 In one embodiment, as illustrated in Figure 1, the hollow body 110 of the pharmaceutical container 100 has a squared form. In one particular embodiment, the squared form may have a rectangular longitudinal shape. In an alternative embodiment, the squared form may have a square cross-section shape. However, the disclosure is not so limited and alternative forms of the hollow body are within the scope of the present disclosure, e.g., round, triangular, etc.

15 With reference to Figure 1, hollow body 110 and cap 120 including one or more flat surfaces 130 may be preferred, as opposed to hollow forms including solely curved surface (e.g., a round bottle). However, any suitable hollow form may be used. In certain embodiments, the hollow body may have a square form, triangular form, round form, etc., except that one or more corners, edges, or select portions of the cross-sectional form is
20 optionally cut off at an angle to create a flat side(s) 130 (the "Flat," see, e.g., Fig. 1). In certain aspects, the Flat 130 may be used to accommodate a unique label feature, printed information, organizing information, etc.

In certain embodiments, the hollow body may be round in form with one or more portions of the cross-sectional form optionally cut off at an angle to create one or more flat
25 side(s). In other embodiments, the hollow body may be triangular in form with one or more corners of the cross-sectional form cut off at an angle to create one or more flat side(s). In yet other embodiments, the hollow body may be square or rectangular in form with one or more edges or corners cut off at an angle to create one or more flat side(s).

Figure 2 illustrates product container 100 with cap 120 in a detached position from
30 hollow body 110, exposing a container neck 140 and threads or locking protrusions 142. Figure 3 shows the inside of the cap 120. The threads or locking protrusions 142 of the product container 100 correspond to the threads or locking protrusions 144 of cap socket 146.

In one embodiment, multi-lead threads 142 of various sizes and configuration on the neck 140 of the hollow body 110, for which the bottle cap 120 is correspondingly grooved

144, ensure that the closure can be applied in only one position. Again, in certain embodiments, a locking mechanism may be including, such as tab 150 on hollow body 110 and corresponding locking tab 152 on cap 120, requiring a user to press the corners of the hollow body 110 to disengage locking tab 152. This closure provides the spring mechanism
5 required to reposition the tab after it has been reassembled onto the container.

In certain embodiments, non-uniform spacing of the thread configuration may prevent the closure from being cross-threaded, preventing the threads from engaging in the wrong location or position. By way of example, as shown in Figures 3A-3B, three non-uniformly spaced threads may be incorporated to ensure proper functioning. The shape of the thread
10 “bottoms” at the thread lead-in may be flat so that the thread, while disengaged, will ride around the ledge on the bottle finish until the proper thread engagement is aligned. The size and spacing may be used to ensure that the closure is stable prior to engagement and to prevent improper engagement and cross-threading.

Generally, with reference to Figures 1, 2, 3A and 3B, the hollow body 110 includes a
15 top portion 110a, a bottom portion 110b and side portions 110c extending between the top and bottom portion to enclose the hollow body. The top portion 110a of the hollow body further includes a neck 140 having threads 142, and the side portions 110c of the hollow body 110 are configured such that one or more corners, edges, or select portions of the cross-sectional form is optionally cut-off at an angle to create one or more longitudinal flat
20 portion(s) 130. The cap 120 generally includes a top portion 120a, a bottom portion 120b and side portions 120c extending between the top and bottom portions, and configured so as to correspond in shape with the hollow body. The cap 120 includes a socket 146 having threads 144 generally corresponding to the threads 142 of the neck 140 of the hollow body 110 so as to engage and secure closure of the cap 120 to the neck 140. The hollow body 110 and the
25 cap 120 further include interlocking tab portions 150, 152 to provide a child resistant closure mechanism.

In another aspect, a specialized information label is provided. In certain embodiments, the specialized information label of the invention may be secured to the hollow body described herein. The specialized label is generally designed to make it easier for a
30 consumer to understand product information, contents, ingredients, administration instructions, warnings, etc. The specialized label may be configured in any suitable manner so as to accommodate a desired product container. For instance, the specialized information label systems described herein may be used in connection with any suitable consumer product container, e.g., re-usable water or drink bottle, food container, drink container, etc.

As will be recognized, the specialized information label systems of the invention may be used to provide required labeling, contents, ingredients, instructions, warnings, etc., for any consumer product, and can be configured to accommodate any consumer product packaging.

More particularly, in certain embodiments, the specialized information label may be configured to accommodate a hollow body of a product container described herein. In certain embodiments, the specialized information label may include multiple panels sufficient in number to align with surfaces of the hollow body. In certain embodiments, the label may wrap around only a portion of the hollow body (plus the Flat(s)), leaving the remaining side or portion unlabeled, to thereby leave a side or portion of the hollow body available for viewing of the contents of the hollow body (e.g., contents, pills or liquid remaining in the container).

As depicted in Figure 4 and explained in further detail herein, in one embodiment, the label may have multiple panels secured to the hollow body of the product container, e.g., three and one quarter outer panels (not shown, see FIG. 5A), two inner panels 410a and an expandable feature 410b to store additional information on the reverse, or inside, side.

As shown in Figures 5A-5B, in one embodiment of the invention, a specialized label (not secured to a hollow body) is illustrated, wherein the first outer panel 510a may list product information, such as drug, pharmacy and patient information. A second outer panel 510b may list detailed product information, including dosing instructions and primary warnings associated with taking the medication. A third outer panel 510c may show visual, pictorial administration instructions, e.g., a MedChart. The third outer panel 510c may also include the first name of the consumer/patient in large, bold type. This feature allows the consumer to immediately recognize which medications belong to him or her.

In certain embodiments, the MedChart may have two or more vertical columns or multiple divided areas (e.g., horizontal divided areas, diagonal, etc.), separated into multiple rows or subareas. In the first column or divided area, an icon or pictorial representation may be listed in each corresponding row or subarea for a medication administration timeframe, such as morning, noon, evening, bed time, meal time (breakfast, lunch, dinner, snack time), etc. The second column or divided area may call out (e.g., through pictorial representation), in the corresponding row or subarea, the amount of medication to be taken during that particular time frame. This MedChart provides several benefits to the consumer. First, it is a quick iconic reference for someone to see their exact dosage during the correct time frame. It is also beneficial for people who do not read English well. Third, if the consumer arranges multiple bottles with the MedChart facing outwards, it is possible to see at a glance when

multiple medications must be taken. In certain aspects, prescriber pads could be integrated with the MedChart, wherein the prescriber provides clear information to the pharmacist/dispenser in a format similar to the MedChart regarding dosage administration in the appropriate time frame, e.g., AM, Noon, Eve, Bed, meal time, etc.

5 A fourth outer panel 510d may, e.g., include the name of the medication in large, bold type, as well as measurement markers for liquid medications. This feature allows an individual to immediately determine the contents of the bottle. The fourth outer panel, in certain embodiments, may be configured to be aligned with the Flat 130 of the hollow body upon securing to the pharmaceutical container.

10 An expandable feature of the label 510e, configured to fold out from the hollow body upon securing to a container, e.g., a pharmaceutical container (see, e.g., Fig. 4, 410b) provides for one or more inner panels, 510e-1, 510e-2, that can include useful information, e.g., for user administration, medicament usage and warnings, etc..

With reference to Figure 5B, in one embodiment, the specialized label may optionally
15 be printed in a double-sided manner. More particularly, as shown, the specialized label may be printed double-sided to provide for the outer panels and inner panels, and configured so as to fold along desired fold lines to provide the expandable feature and secure to the product container. By way of example, first 512a and second 512b inner panels may display relevant advice and secondary precautions for, e.g., the prescribed medication. If desired (depending
20 on the size of the expandable feature), third and fourth inner panels may display, e.g., patient information, drug information, common uses of the medication, pharmacy information and provider information. The patient and drug information can be repeated on inner and outer panels so it is always visible.

In an alternative embodiment, e.g., as illustrated in Figure 6, a single-sided
25 specialized label may be desired (e.g., printed on a single side). In the embodiment shown, a first outer panel 610a may list product information, e.g., drug information, supplier information, pharmacy information, patient information, etc. A second outer panel 610b may list detailed product information, e.g., dosing instructions and primary warnings associated with taking the medication. A third outer panel 610c may show visual, pictorial
30 administration instructions, e.g., a MedChart as described above. The third outer panel 610c may also include, e.g., the first name of the consumer/patient in large, bold type. This feature allows the consumer to immediately recognize which medications belong to him or her.

A fourth outer panel 610d may include, e.g., the name of the medication in large, bold type, as well as measurement markers for liquid medications. This feature allows an

individual to immediately determine the contents of the bottle. The fourth outer panel, in certain embodiments, may be configured to be aligned with the Flat 130 of the hollow body upon securing to the pharmaceutical container.

5 An expandable feature of the label 610e, configured to fold out along 610e-3 from the hollow body upon securing to the pharmaceutical container (see, e.g., Fig. 4, 410b) provides for one or more inner panels, 610e-1, 610e-2, that can include useful information, e.g., for user administration, medicament usage and warnings, etc.

10 An optional feature may be included which allows for a clear view window, 610h. In certain embodiments, panel 610h may be configured with a die-cut window 610h-1 that may be removed prior to, upon application, or following application to a pharmaceutical container, to thereby allow visual access to the container.

In another embodiment, e.g., as illustrated in Figure 7A, a single-sided specialized label may be desired with fewer panels, e.g., so as to better accommodate round containers or containers with fewer sides. As shown in Figure 7A, a front view of a flat, open label is
15 illustrated. A first outer panel 710a may list primary product information, e.g., drug, pharmacy and patient information. A second outer panel 710b may show visual, pictorial administration instructions, e.g., a MedChart as described above. If desired, a third outer panel 710c may also include the first name of the consumer/patient, the contents (e.g., medication), as well as measurement markers for liquids, in large, bold type. Alternatively,
20 this information may be incorporated into the second outer panel (MedChart), if desired. This feature allows an individual to immediately determine the contents of the bottle. The third panel, in certain embodiments, may be configured to be aligned with the Flat 130 of the hollow body upon securing to the container.

An expandable feature of the label 710d, configured to fold along fold-lines 710e to
25 provide for the expandable feature, may include one or more inner panels 710d-1, 710d-2 that can include useful information, e.g., for user administration, usage and warnings, etc. Upon folding, outer panel 710b releasably secures to outer panel 710a to conceal inner panels 710d-1 and 710d-2 within expandable feature 710d. Upon folding out of the label, inner panels 710d-1 and 710d-2 may then be viewed.

30 Additional views of the label shown in Figure 7A are shown in Figures 7B-7E to illustrate wherein the expandable feature is in a folded-in configuration (e.g., Fig. 7B), partially folded-out to partially show the inner panels (e.g., Fig. 7C), folded-out to fully show the inner panels (e.g., Fig. 7D), and exemplary embodiments wherein the label is affixed to rounded containers and in a closed configuration (e.g., Fig. 7E).

The containers described herein provide a variety of benefits. Without intending to be limited, in certain embodiments, storing the bottles is simple: all bottles can be organized with the “front” facing outwards, so that relevant information is easily legible. This is convenient both for pharmacists and consumers. The configuration and sizing allows for more information to be conveyed on the specialized label. Further, the configuration and shape may improve ease of use. For example, child-resistant caps on medication bottles are usually troublesome to push and twist even for the most skilled set of hands. The unique shape of the container, combined with the novel form of child resistant cap, provides an additional point of leverage making the container easy to grip and open. In certain embodiments, the Flat may provide a convenient surface on the closure for a thumb or finger while pressing inward to release the child-resistant tab from the latch on the bottle.

In yet another aspect, a specialized label incorporating a MedChart may link users (e.g., pharmacists, prescribers, patients, etc.) to an interactive medication management system where users can get assistance in monitoring medications, dosing regimens, as well as accurately track current and past medications. In certain embodiments, the interactive medication management system may be a stand-alone computer system, a networked computer system, an on-line computer system, a website, etc.

In certain embodiments, the MedChart of the specialized label may be replicated on and linked to the interactive medication management system. By way of example, the specialized label may include information which directs patients to a website, where patients may view information concerning medication related to the MedChart, input additional medication information, organize and keep track of their medications, as well as share their information with other authorized users, including authorized family members, authorized prescribers, authorized pharmacists, etc. Further, the website may connect the patient with his or her prescribers, dispensers, and other health professionals to improve communication across these lines of health care, assuring proper understanding around medication regimens and promoting adherence.

In one embodiment of the invention, the interactive medication management system may include one or more of the following types of interactive online content:

a “home” page providing an overview of the medication management system (see Figure 8A);

a “tour” page providing a more comprehensive explanation of how the interactive management system works (not shown);

an encrypted registration page and portal for consumers to enter their 1) personal health history, 2) daily/weekly/monthly medication regimen, and 3) provider profiles (pharmacy, physicians). “Sign up” may, in some embodiments, be driven by the pharmacy or the physician (see Figures 8B-8D);

5 a resources page to direct patients to useful web links and local community resources (not shown); a “medical organizer” page which pulls together all pertinent information and displays any necessary alerts, such as “Your medication X has been recalled,” or “You have a prescription ready at the pharmacy.” This page may also provide options for adding and organizing medications (both over-the-counter and prescription) and user preferences, such as
10 alert notifications (see Figures 8E-8F);

a “medical reminder” page, which provides adherence support to consumers by providing options for consumers to receive electronic reminders to take medicine, order a refill, or go to a medical appointment via social networking sites (such as Facebook, MySpace, Twitter, etc.) or via email, SMS, text, etc. (see Figure 8G); and

15 a “medical share” page, which provides an option to share personal medication information and communicate with pharmacists, health care providers, caregivers, and/or family members (see Figure 8H).

By way of non-limiting example, an illustrative map of online content of an interactive medication management system is shown in Figure 8I. As will be generally
20 recognized by those of skill in the art, information for use in connection with the interactive medication management system may be stored in one or more database(s), displayed via one or more user interfaces, and communicated over any suitable technology (e.g., intranet, extranet, internet, cellular networks, etc). Data and information may be uploaded, stored, input, etc. into databases in any known manner, and interactive online content may be
25 displayed in any known manner (websites, VPN networks, intranets, etc.).

The interactive medication management system may also provide an option for an on-line viewable and/or computer-printable pictorial management service. By way of example, the on-line viewable and/or computer-printable pictorial management service may provide an option to view and/or print dosing and/or appointment calendars, e.g., pocket calendars, desk
30 calendars, etc., including daily, weekly, monthly, etc. dosing instructions (e.g., MedChart information), refill reminders, appointment reminders, etc.

The interactive medication management system provides numerous benefits for users, such as reducing the need for in-person or telephone interactions with medical providers, assisting the patient in adhering to a schedule, organizing medications, providing reminders,

sharing information, and tracking side effects. The interactive system can also consolidate all of the patient's medications, whether over-the-counter or prescribed. It may generate a complete MedChart which gives a visual indicator of medication schedules and may be linked to the MedChart shown on each label. The interactive system may also provide for
5 comprehensive information sharing; by patient invitation, the system may allow healthcare providers access to medical records and to be notified when the patient fills or refills a medication. It may also allow a patient to share information with family members or friends. The system may further provide links for medication information, such as medical references, the FDA website, or insurance education websites. It may also include a forum, where users
10 can discuss health issues or consult with physicians or pharmacists about concerns.

The interactive system also provides benefits for physicians. The website provides a medication reconciliation tool, which serves as a master list of all medications taken by each patient, including over-the-counter medications and medications prescribed by other providers. This may prevent harmful interactions not caught at the pharmacy. The system
15 also provides adherence follow-up information, such as a confirmation of whether the patient filled or refilled medications at the right times. It may assist in early intervention, by increasing communication and counseling with patients through a chat room or emailed questions.

The system further provides benefits for pharmacists and dispensers. It may serve as
20 the "Medication Therapy Management" component under Medicare Part D, which allows pharmacies to include counseling over medications as part of the dispensing fee. The system may direct patient communication; if a patient is late on refills or if important updates are issues for a medication precaution, these issues are easy to address. The system may serve as a bridging function for medical and pharmacy technology. Further, the system may
25 encourage efficiency, by allowing for easier and faster refill orders, and ensuring that these occur at the proper time by the ability to notify patients that they need to call in a refill, or even allow for an 'opt out' function.

What has been described and illustrated herein is a preferred embodiment of the invention along with some of its variations. The terms, descriptions and figures used herein
30 are set forth by way of illustration only and are not meant as limitations. Those skilled in the art will recognize that many variations are possible within the spirit and scope of the invention, which is intended to be defined by the following claims, in which all terms are meant in their broadest reasonable sense unless otherwise indicated therein.

CLAIMS:

1. A product container comprising:
 - a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body;
- 5 wherein the top portion of the hollow body further includes a neck having threads;
 - wherein the side portions of the hollow body are configured such that one or more corners, edges, or select portions of a cross-sectional form of the hollow body are cut-off at an angle to create one or more longitudinal flat portions;
- 10 a cap having a top portion, a bottom portion and side portions extending between the top and bottom portions, and configured so as to correspond in cross-sectional shape with the hollow body such that the cap includes one or more longitudinal flat portions that align with the one or more longitudinal flat portions of the hollow body when the cap is secured to the hollow body;
- 15 wherein the cap includes a socket having threads generally corresponding to the threads of the neck of the hollow body so as to engage and secure closure of the cap to the neck of the hollow body;
 - a single-sided specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel, wherein
- 20 the at least one information panel has visual, pictorial administration instructions, and wherein the at least one information panel having visual, pictorial administration instructions comprises:
 - two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas
- 25 indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, a representation of the amount of the medication to

be taken during the timeframe, wherein the representation of the amount of the medication is an icon; and

wherein the two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the two or more divided areas facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

2. The product container of claim 1, wherein the hollow body comprises a squared form that has a rectangular longitudinal shape with one or more edges or corners cut across to form the one or more longitudinal flat portions.
3. The product container of claim 2, wherein the hollow body has a rectangular or square cross-section.
4. The product container of claim 2, wherein the specialized information label is affixed to the hollow body so as to leave one side of the hollow body visible.
5. The product container of claim 1, wherein the hollow body comprises a round form with one or more portions cut across to form the one or more longitudinal flat portions.
6. The product container of claim 1, wherein the specialized information label further comprises a fold-out product information panel that includes one or more inner panels configured to display information when the fold-out product information panel is in a fold-out configuration.
7. The product container of claim 1, wherein the cap further comprises interlocking tab portions, wherein the interlocking tab portions of the cap and the hollow body are configured and located such that the interlocking tab portions may be disengaged to release the cap from the hollow body by pressing on the one or more longitudinal flat portions of the cap.

8. A single-sided specialized information label configured to be affixed to a product container, the label comprising multiple information panels including a panel having visual, pictorial medication administration instructions and a fold-out product information panel;

5 wherein the panel of the specialized information label having visual, pictorial administration instructions comprises:

two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, a representation of the amount of the medication to be taken during the timeframe, the representation of the amount of the medication is an icon; and

15 wherein the two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the two or more divided areas facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

9. The single-sided specialized information label of claim 8, wherein the fold-out product information panel includes one or more inner panels configured to display information when the fold-out product information panel is in a fold-out configuration.

10. A medication container comprising:

a hollow body; and

a specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel comprising visual, pictorial administration instructions pre-printed directly on the at least one information panel, and wherein the at least one information panel having the pre-printed visual, pictorial administration instructions comprises:

two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, an icon representation of the amount of the medication to be taken during the timeframe as indicated in the corresponding subarea of said one of the divided areas; and

wherein the two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across a next medication container when the medication container and the next medication container are arranged with the two or more divided areas facing outwards in the same direction, so that the timeframes of the medication container and the next medication container are aligned horizontally or vertically.

11. The medication container of claim 10, wherein the hollow body has a rectangular cross-section.
12. The medication container of claim 10, wherein the hollow body has a square cross-section.
13. The medication container of claim 10, wherein the hollow body has a circular cross-section.
14. The medication container of claim 10, wherein the hollow body has a triangular cross-section.
15. The medication container of claim 10, wherein the hollow body comprises side portions and a cross-sectional form, wherein the hollow body is configured such that one or more corners, edges, or select portions of the cross-sectional form are cut-off at an angle to create one or more longitudinal flat portions.
16. The medication container of claim 10, wherein the specialized information label is affixed to the hollow body so as to leave at least part of the hollow body visible.

17. The medication container of claim 10, wherein the specialized information label is single-sided.
18. The medication container of claim 10, wherein the specialized information label is double-sided.
- 5 19. The medication container of claim 10, wherein the specialized information label further comprises a fold-out product information panel.
20. The medication container of claim 19, wherein the fold-out product information panel includes one or more inner panels configured to display information when the fold-out product information panel is in a fold-out configuration.
- 10 21. The medication container of claim 20, wherein the fold-out product information panel may be observed in a fold-out configuration, and then reattached to the medication container in a fold-in configuration.
22. The medication container of claim 10, wherein the hollow body comprises two side portions.
- 15 23. The medication container of claim 10, wherein the hollow body comprises a bottom portion and side portions extending between a top and the bottom portions.
24. The medication container of claim 21, wherein the medication container is configured to contain one or more medications.
25. The medication container of claim 10, wherein said medication is an over-the-
20 counter medication.
26. The medication container of claim 10, wherein said medication is a prescription medication.
27. The medication container of claim 10, wherein said medication is a regulated consumable.

28. A medication container comprising:

a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body; and

a specialized information label affixed to the hollow body, wherein the
5 specialized information label comprises at least one information panel comprising visual, pictorial administration instructions pre-printed directly on the at least one information panel, and wherein the at least one information panel having the visual, pictorial administration instructions comprises:

two or more divided areas separated into multiple corresponding subareas, one
10 of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, an icon representation of the amount of the medication to be taken during the timeframe as indicated in the corresponding subarea of said one of the divided areas; and

wherein the two or more divided areas are configured to display visual
15 alignment of the amount of the medication taken during the timeframe across a next medication container when the medication container and the next medication container are arranged with the two or more divided areas facing outwards in the same direction, so that the timeframes of the medication container and the next medication container are aligned
20 horizontally or vertically.

29. The medication container of claim 28, wherein said medication is an over-the-counter medication.

30. A medication packaging comprising:

a plurality of medication containers; and

25 a specialized information label affixed to said medication packaging,

wherein the specialized information label comprises at least one information panel comprising pre-printed visual, pictorial administration instructions, and wherein the at least one information panel having the pre-printed visual, pictorial administration instructions comprises:

5 two or more divided areas separated into multiple corresponding subareas, one of the divided areas including a pictorial representation in each of the corresponding subareas indicating a timeframe in which a medication may be administered, and a second divided area including, in the corresponding subareas, an icon representation of the amount of the medication to be taken during the timeframe; and

10 wherein said two or more divided areas are configured to display visual alignment of the amount of the medication taken during the timeframe across said plurality of medication containers as arranged in said medication packaging, so that the timeframes of each of the plurality of medication containers are aligned horizontally or vertically.

31. A product container comprising:

15 a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body;

wherein the top portion of the hollow body further includes a neck having threads;

20 a specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel, wherein the at least one information panel has visual, pictorial administration instructions, and wherein the at least one information panel having visual, pictorial administration instructions comprises:

25 (i) a representation indicating a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each

representation of the amount of the medication is selected from the group consisting of an icon, a pictorial representation, and a combination thereof; and

wherein the at least one information panel is configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the at least one information panel facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

32. The product container of claim 31, wherein the hollow body has a rectangular cross-section.

10 33. The product container of claim 31, wherein the hollow body has a square cross-section.

34. The product container of claim 31, wherein the hollow body has a circular cross-section.

15 35. The product container of claim 31, wherein the hollow body has a triangular cross-section.

36. The product container of claim 31, wherein the specialized information label is affixed to the hollow body so as to leave at least part of the hollow body visible.

37. The product container of claim 31, wherein the specialized information label is single-sided.

20 38. The product container of claim 31, wherein the specialized information label is double-sided.

39. The product container of claim 31, wherein the specialized information label further comprises a fold-out product information panel.

40. The product container of claim 39, wherein the fold-out product information panel includes one or more inner panels configured to display information when the fold-out product information panel is in a fold-out configuration.
41. The product container of claim 40, wherein the fold-out product information panel may be observed in a fold-out configuration, and then reattached to the product container in a fold-in configuration.
42. The product container of claim 31, wherein the product container is a medication container.
43. The product container of claim 40, wherein the specialized information label further includes one or more outer panels configured to display information.
44. The product container of claim 43, wherein at least two of the one or more outer panels are releasably secured to conceal said one or more inner panels.
45. The product container of claim 39, wherein the fold-out product information panel folds along a direction selected from the group consisting of top of the specialized information label, bottom of the specialized information label, and a side of the specialized information label.
46. The product container of claim 31, further comprising a cap having a top portion, a bottom portion and side portions extending between the top and bottom portions, wherein the cap is configured so as to correspond in cross-sectional shape with the hollow body when the cap is secured to the hollow body, and wherein the cap includes a socket having threads generally corresponding to the threads of the neck of the hollow body so as to engage and secure closure of the cap to the neck of the hollow body.
47. The product container of claim 46, wherein the hollow body comprises side portions and a cross-sectional form, wherein the hollow body is configured such that one or more corners, edges, or select portions of the cross-sectional form are cut-off at an angle to create one or more longitudinal flat portions, and wherein the cap includes one or more

longitudinal flat portions that align with the one or more longitudinal flat portions of the hollow body when the cap is secured to the hollow body.

48. The product container of claim 46, wherein the hollow body and the cap further include interlocking tab portions to provide a child-resistant closure mechanism.

5 49. The product container of claim 47, wherein the cap and the hollow body further comprise interlocking tab portions, wherein the interlocking tab portions of the cap and the hollow body are configured and located such that the interlocking tab portions may be disengaged to release the cap from the hollow body by pressing on the one or more longitudinal flat portions of the cap.

10 50. The product container of claim 31, wherein the representation indicating the timeframe in which the medication may be administered is applied to the specialized information label.

51. The product container of claim 31, wherein the representation of the amount of the medication to be taken during the timeframe is applied to the specialized information
15 label.

52. The product container of claim 31, wherein both the representation indicating the timeframe in which the medication may be administered and the representation of the amount of the medication to be taken during the timeframe are applied to the specialized information label.

20 53. The product container of claim 31, wherein the representation indicating the timeframe in which the medication may be administered is pre-printed on the specialized information label.

54. The product container of claim 31, wherein the at least one information panel having visual, pictorial administration instructions is separated into one or more subareas,
25 where each of the one or more subareas indicates (i) the representation indicating the timeframe on which the medication may be administered, and (ii) the representation of the amount of medication to be taken during that particular timeframe.

55. The product container of claim 54, wherein all of the one or more subareas are divided from each other by printed lines or boxes.

56. The product container of claim 54, wherein some of the one or more subareas are divided from each other by printed lines or boxes.

5 57. A product container comprising:

a hollow body having a top portion, a bottom portion and side portions extending between the top and bottom portions to enclose the hollow body;

wherein the top portion of the hollow body further includes a neck having threads;

10 a specialized information label affixed to the hollow body, wherein the specialized information label comprises at least one information panel, wherein the at least one information panel has visual, pictorial administration instructions, and wherein the at least one information panel having visual, pictorial administration instructions comprises:

an area separated into one or more subareas, each of the one or more subareas
15 indicating (i) a representation of a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each representation of the amount of the medication is selected from the group consisting of an icon, a pictorial
20 representation, and a combination thereof; and

wherein the area is configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the areas facing outwards in the same direction, so that the timeframes of the product container and the next product container
25 are aligned horizontally or vertically.

58. The product container of claim 57, wherein all of the one or more subareas are divided from each other by printed lines or boxes.

59. The product container of claim 57, wherein some of the one or more subareas are divided from each other by printed lines or boxes.

5 60. A single-sided specialized information label configured to be affixed to a product container, the label comprising multiple information panels including a panel having visual, pictorial medication administration instructions and a fold-out product information panel;

10 wherein the panel of the specialized information label having visual, pictorial administration instructions comprises:

an area separated into one or more subareas, each of the one or more subareas including (i) an icon or pictorial representation indicating a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the amount of the medication is selected
15 from the group consisting of an icon, a pictorial representation, and a combination thereof, and wherein each representation of the timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof; and

20 wherein the area is configured to display visual alignment of the amount of the medication taken during the timeframe across a next product container when the product container and the next product container are arranged with the areas facing outwards in the same direction, so that the timeframes of the product container and the next product container are aligned horizontally or vertically.

61. A medication packaging comprising:

a plurality of medication containers; and

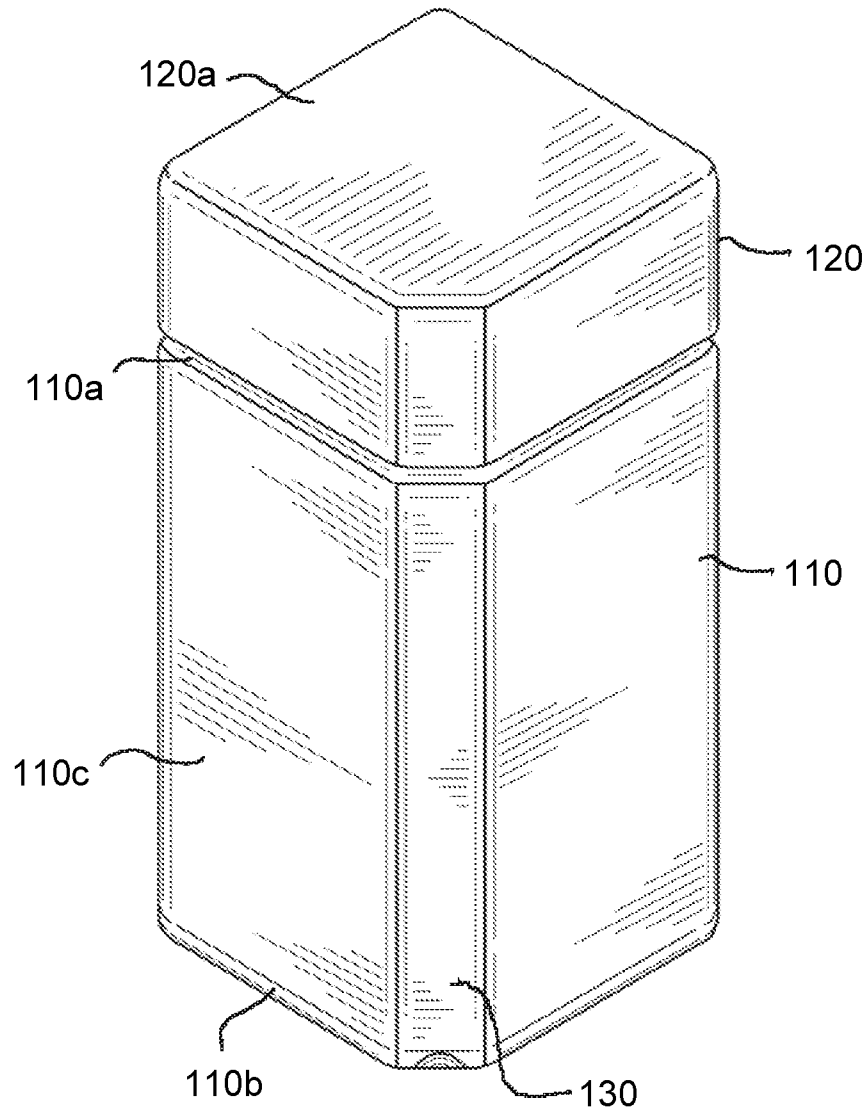
25 a specialized information label affixed to said medication packaging,

wherein the specialized information label comprises at least one information panel comprising pre-printed visual, pictorial administration instructions, and wherein the at least one information panel having the pre-printed visual, pictorial administration instructions comprises:

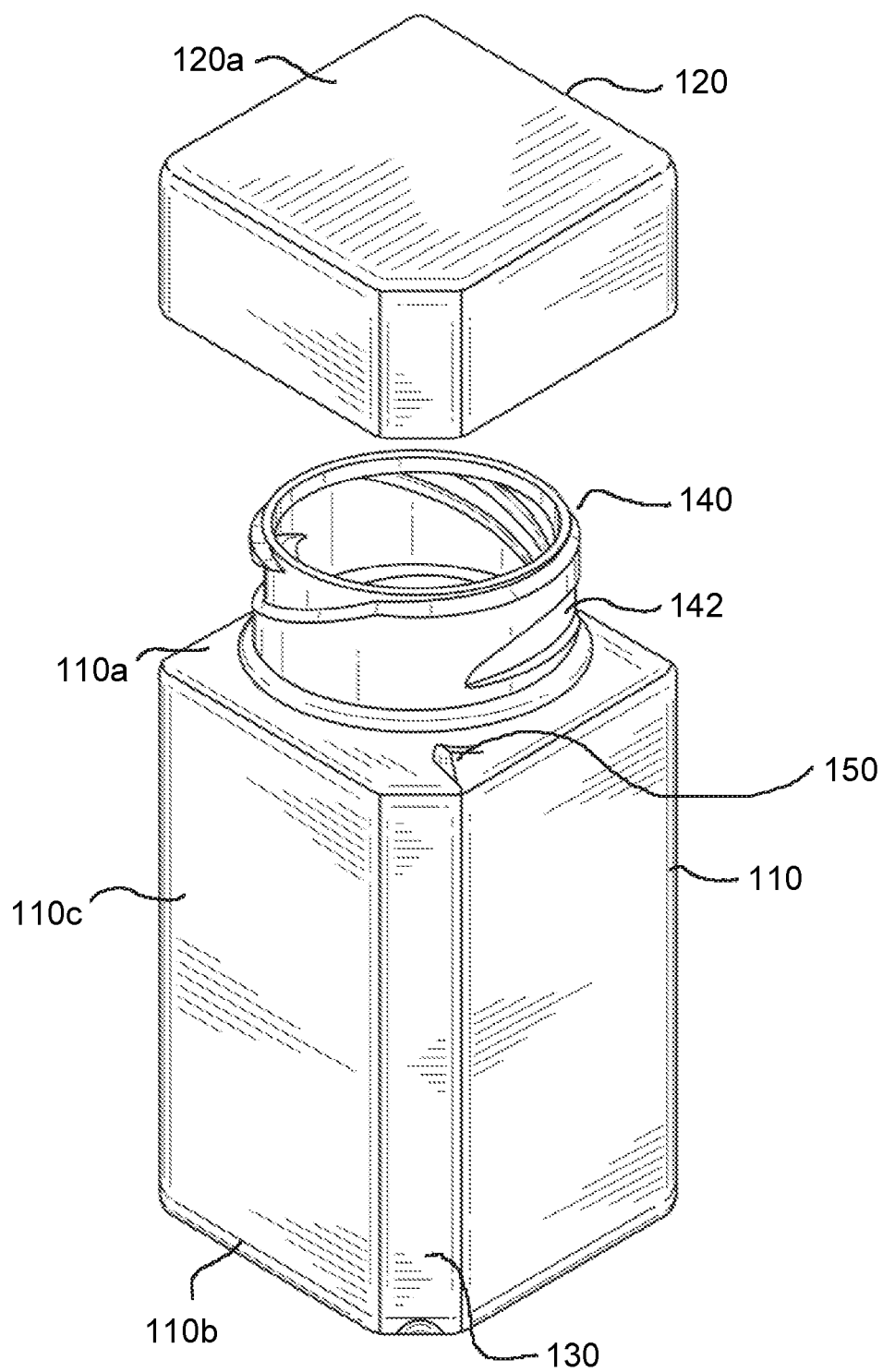
- 5 an area separated into one or more subareas, each of the one or more subareas including (i) an icon or pictorial representation indicating a timeframe in which a medication may be administered, and (ii) a representation of the amount of the medication to be taken during the timeframe, wherein each representation of the amount of the medication is selected from the group consisting of an icon, a pictorial representation, and a combination thereof,
- 10 and wherein each representation of the timeframe is selected from the group consisting of an icon, a pictorial representation, and a combination thereof;

- and wherein the area is configured to display visual alignment of the amount of the medication taken during the timeframe across said plurality of medication containers as arranged in said medication packaging, so that the timeframes of each of the plurality of
- 15 medication containers are aligned horizontally or vertically.

100

**FIG. 1**

100

**FIG. 2**

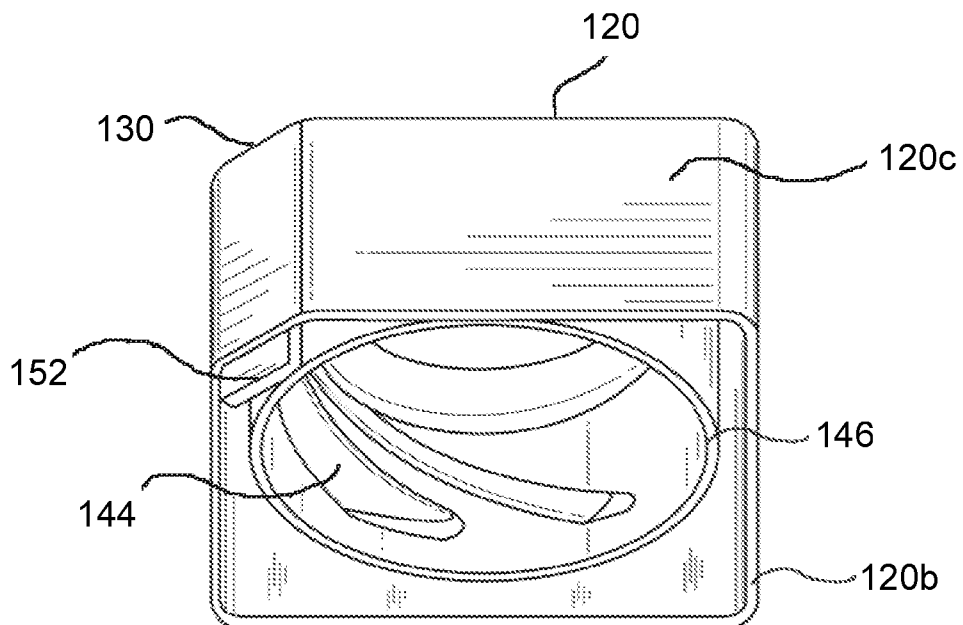
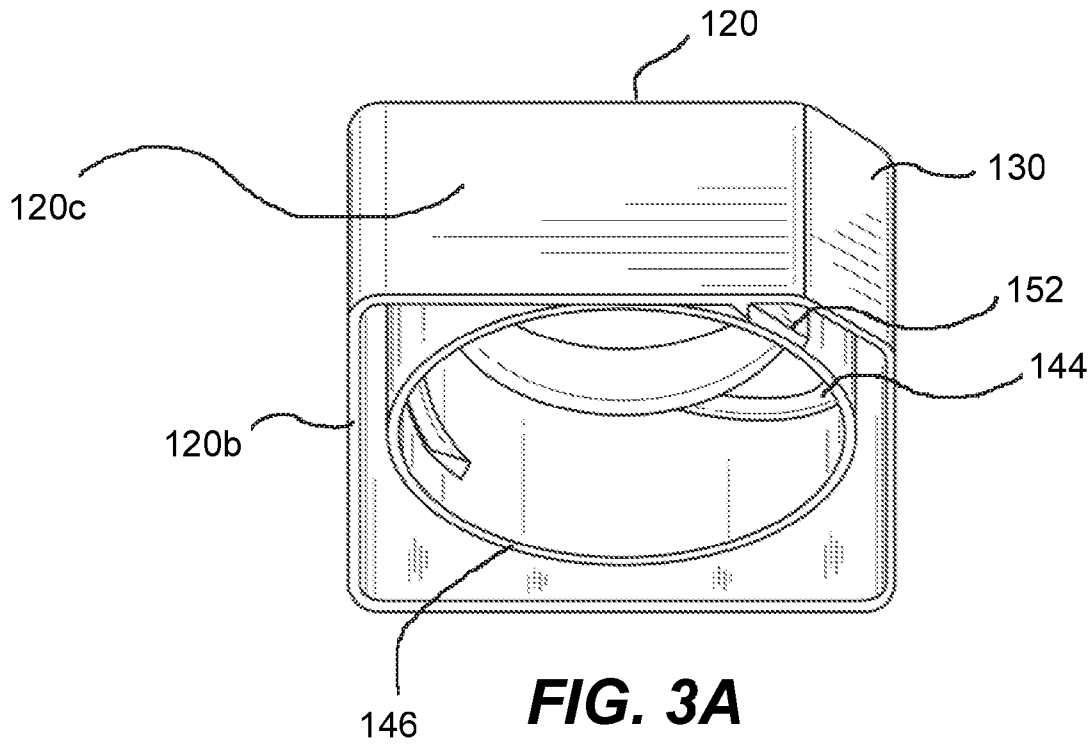
**FIG. 3B**

FIG. 4

RX INFO AND WARNINGS

① CONSULT YOUR DOCTOR OR PHARMACIST BEFORE BREASTFEEDING.
 ② TALK TO YOUR DOCTOR ABOUT ALL OTHER MEDICINES YOU MAY BE TAKING.
 ③ LIMIT THE AMOUNT OF SALT IN YOUR DIET.

PHARMACY
 1525 MAIN ST. YORKVILLE
 NY 10456
 TEL: 212-XXX-XXXX

VISIT ADLERRX.COM TO
 MANAGE YOUR
 MEDICATIONS

PATIENT INFO
 ERIC SILVERMAN
 6D EAST 8TH ST #5E
 NYC 10003

DRUG INFO
 DRUG: PRAVASTATIN
 SODIUM
 40MG

GENERIC:
 DESCRIPTION: WHITE
 TABLET

USES: CHOLESTEROL

PHARMACY INFO
 RX#008619325
 REFILLS: 02 THRU
 05/28/09
 QTY: 30 PILLS
 QTY: 300
 DRUG EXP: 05/28/09
 DATE FILLED: 05/25/08

TAKE
 TAKE 1 TABLET
 BY MOUTH
 AT BEDTIME.

ADVICE
 DRINK PLENTY OF WATER
 WHILE TAKING THIS
 MEDICATION.

PROVIDER INFO
 DOCTOR:
 PHONE:

410a

410b

510e	510a	510b	510c	510d
RX INFO AND WARNINGS ① CONSULT YOUR DOCTOR OR PHARMACIST BEFORE BREASTFEEDING. ① TALK TO YOUR DOCTOR ABOUT ALL OTHER MEDICINES YOU MAY BE TAKING. ① LIMIT THE AMOUNT OF SALT IN YOUR DIET.	PATIENT INFO ERIC SILVERMAN 810 EAST 8TH ST #5E NYC 10003 DRUG INFO DRUG: PRAVASTATIN SODIUM 40MG GENERIC: DESCRIPTION: WHITE TABLET USES: CHOLESTEROL PHARMACY INFO RX#038619325 REFILLS: 02 THRU 05/28/09 CITY: 30 PILLS CITY: 200 DRUG EXP: 05/28/09 DATE FILLED: 05/25/08	TAKE TAKE 1 TABLET BY MOUTH AT BEDTIME. ADVICE DRINK PLENTY OF WATER WHILE TAKING THIS MEDICATION. PROVIDER INFO DOCTOR: PHONE:	ERIC AM NOON EVE BED WWW.ADLERRX.COM	PRAVASTATIN SODIUM 40MG
PHARMACY 1525 MAIN ST YORKVILLE NY 10458 TEL: 212-XXX-XXXX VISIT ADLERRX.COM TO MANAGE YOUR MEDICATIONS				

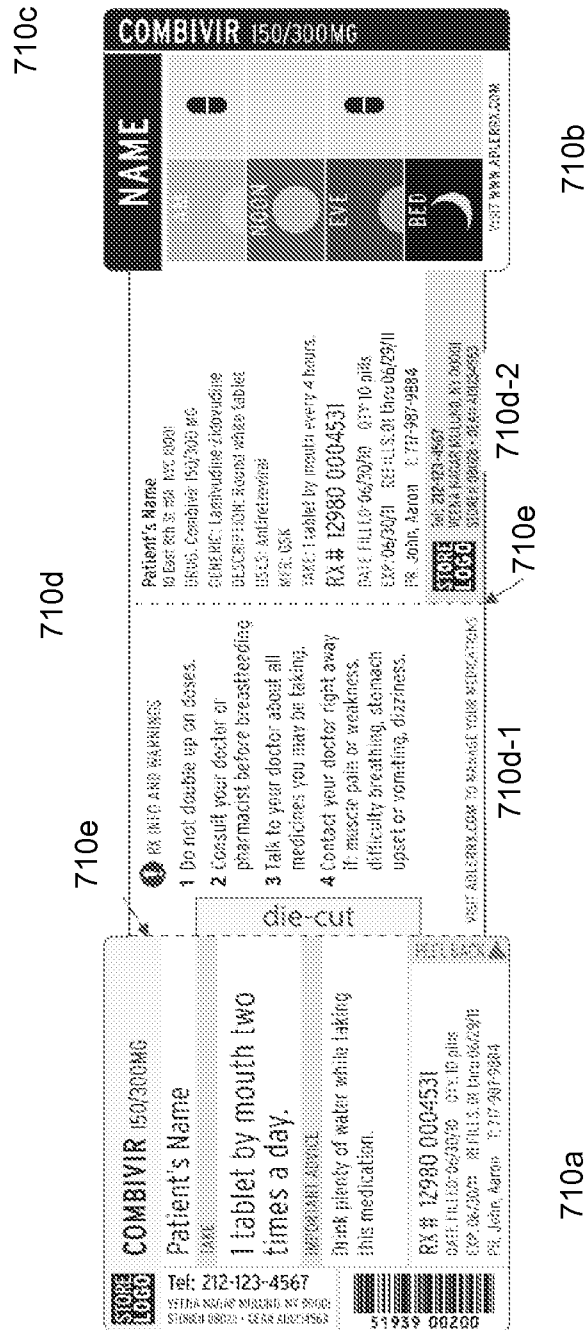
FIG. 5A

510e-1 510e-2 512b 512a

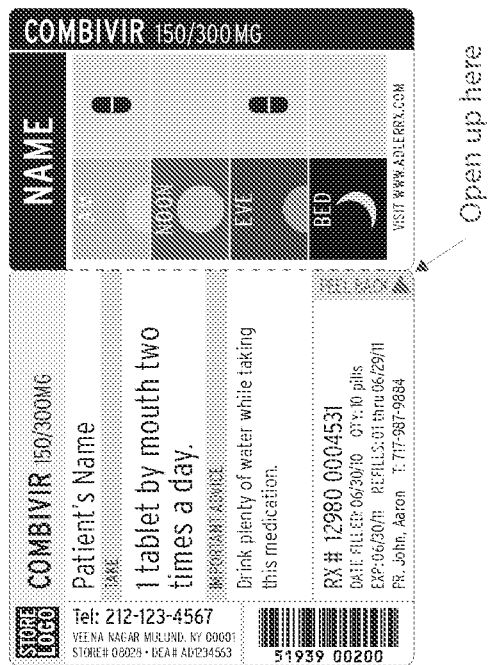
510e-1	510e-2	512b	512a
DRUG INFO PRAVASTATIN SODIUM 40MG PREPARED FOR ERIC SILVERMAN 810 EAST 8TH ST #5E NYC 10003 PHARMACY INFO RX# 23419325 PHARMACY 1525 MAIN ST YORKVILLE NY 10458 TEL: 212-XXX-XXXX			TAKE TAKE 1 TABLET BY MOUTH AT BEDTIME. ADVICE DRINK PLENTY OF WATER WHILE TAKING THIS MEDICATION. OPEN HERE FOR MORE INFO AND WARNINGS

FIG. 5B





Folded Label: Close



Panel 4

www.elsevier.com/locate/jmb

FIG. 7B

Folded Label : peel open

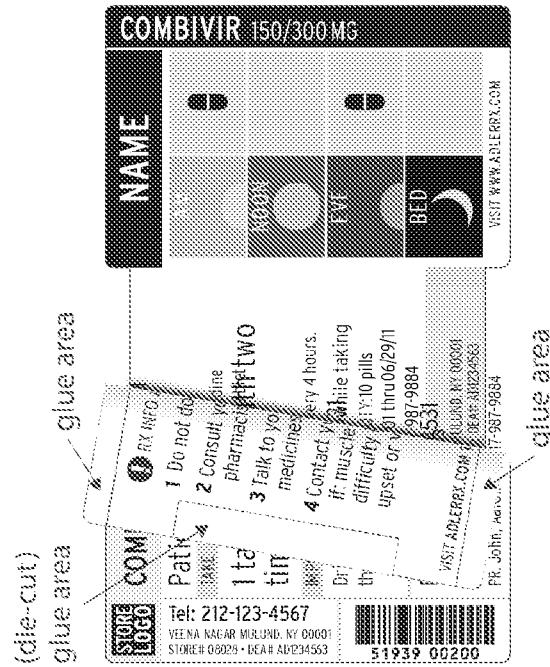
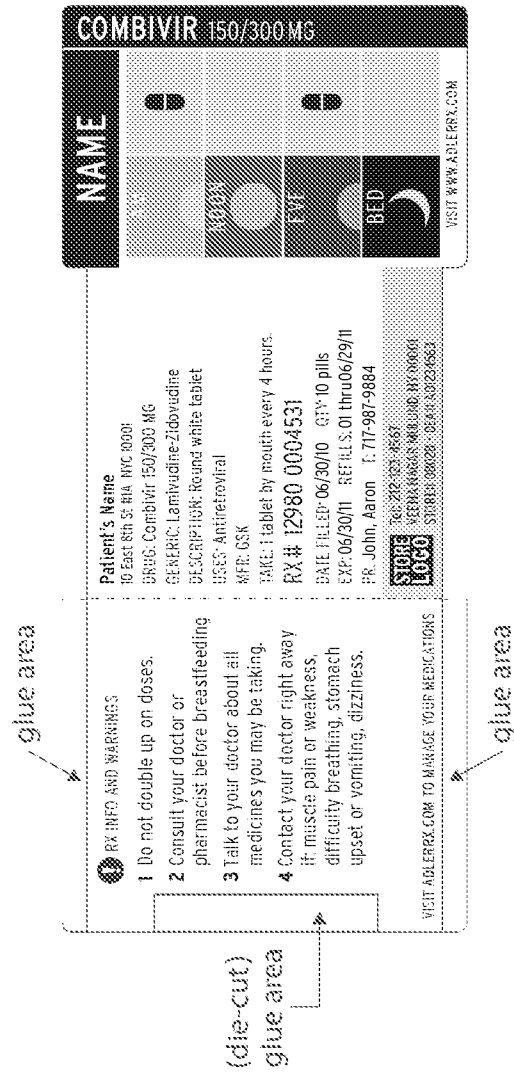


FIG. 7C

Folded Label : peel open



Panel 4

Panel 3

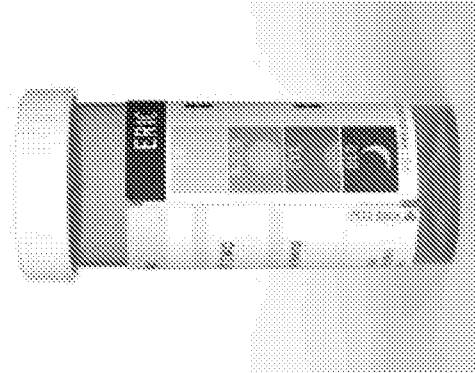
Panel 2

FIG. 7D

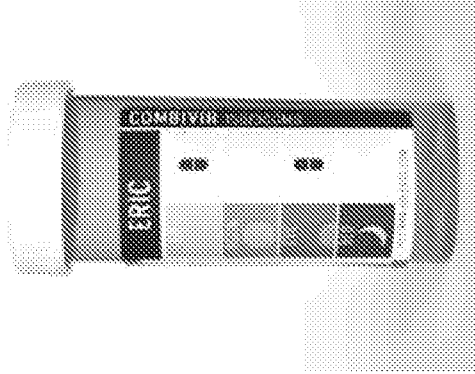
Full views



Front



side 1



back



side 2



open

FIG. 7E

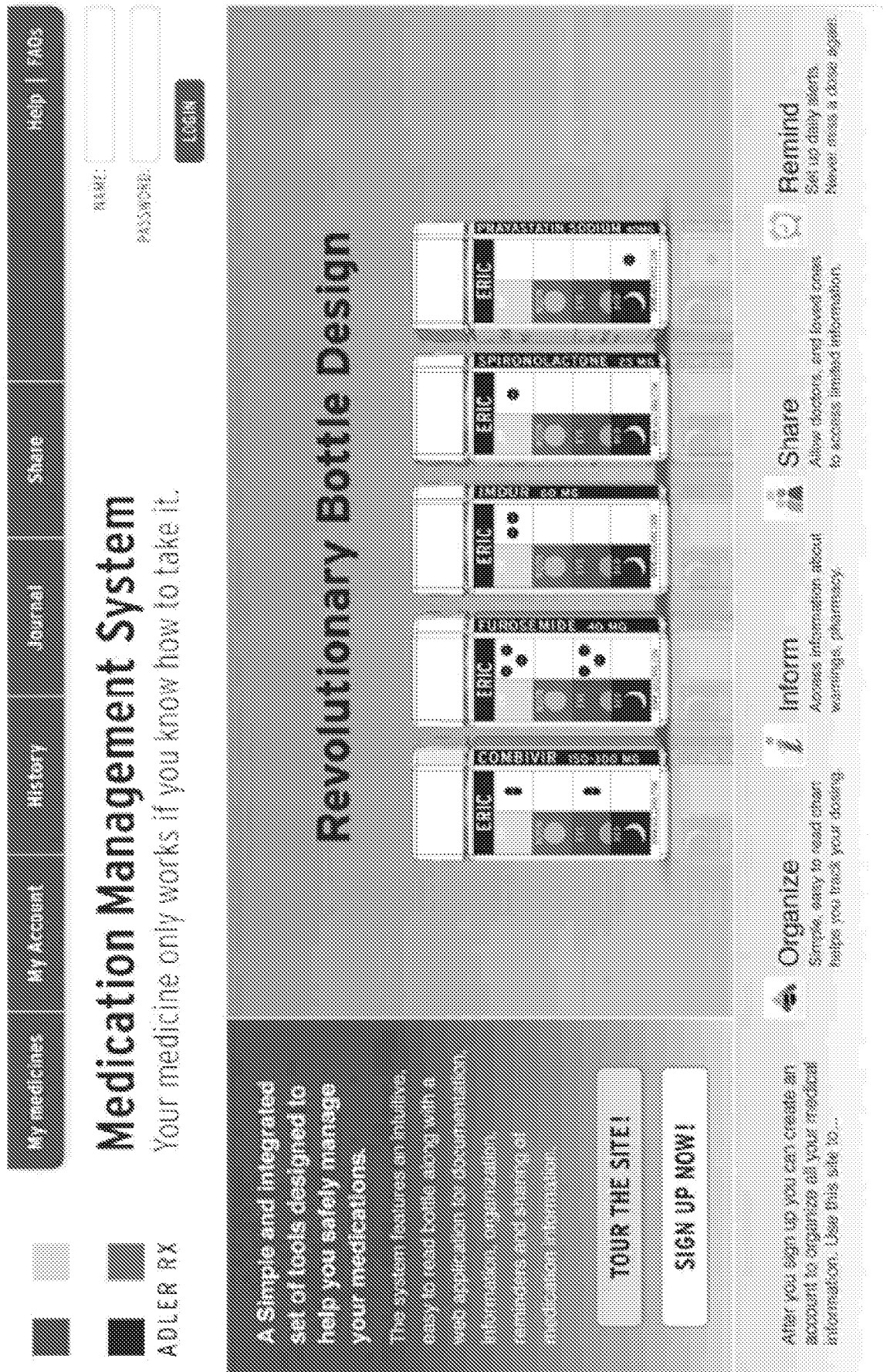


FIG. 8A

My medicines

My Account

History

Journal

Share

Help | FAQs

ADLER RX

logged in

Logout

ACCOUNT DETAILS

Name

Your full name

Current password

Type current password

Type new password

Retype new password

Time zone

Time Zone

Personal details

Age

Sex

Address

Street

City

State

Zip

Save

FIG. 8B

My medicines

My Account

History

Journal

Share

Help | FAQ

logged in | Logout

PRINT

MY MEDICINES

NAME	DATE	THOSE	PROVIDER	STATUS
PRAVASTATIN SODIUM 40MG	12/06-now		Dr. Hanely	active
SPRINDOLACTONE 25 MG	12/06-12/06		Dr. Jancowski	inactive
FUROSEMIDE 40 MG	12/06-now		Dr. Morgan	active
GABAPENTIN 300 MG	12/06-now		Dr. Hanely	active

ADD +

PROCLOURES

NAME	DATE	PROVIDER	RESULT
Medical Procedure	12/06	Dr. Hanely	neg
Medical Procedure	12/06	Dr. Morgan	pos
Medical Procedure	12/06	Dr. Hanely	neg

ADD +

IMMUNIZATIONS

NAME	DATE	PROVIDER
Immune One	12/06	Dr. Hanely

ADD +

ALLERGIES

Dander	pos
penicillin	pos

FAMILY HISTORY

STROKE:

CANCER:

HIGH BLOOD PRESSURE:

HIGH CHOLESTEROL:

STROKE:

CANCER:

ALCOHOL/DRUG USE:

MEDICAL ILLNESSES:

MENTAL ILLNESSES:

HIGH BLOOD PRESSURE:

HIGH CHOLESTEROL:

FIG. 8C

FIG. 8C

The figure displays a web application interface for a healthcare provider named Adler R.R. The interface is organized into several key components:

- Top Navigation Bar:** Contains links for "My medicines", "My Account", "History", "Journal", "Share", "Help", and "FAQs".
- Sidebar:**
 - Status: "logged in | Logout"
 - User Profile: "ADLER RR" accompanied by three small colored squares (grey, dark grey, light grey).
- Main Content Area:** Divided into three primary sections:
 - MEDICINES:** A form where the medicine name is "SPRONOLACTONE". The note states: "Feel better. Makes me a little drowsy." The address field is labeled "ADD A NOTE".
 - APPOINTMENTS:** Displays an appointment for "JULY 21, 2009" at "Eye Doctor" starting at "9:00 am". It includes a calendar grid showing dates from Sunday to Saturday. The date July 21st is highlighted with a black dot. The doctor's name is listed as "Dr. Eye Doctor".
 - DOCTOR:** A form where the doctor's name is "Dr. McGilchristy". The note mentions: "Very nice. Parking lot often very full." The address field is labeled "ADD A NOTE".

FIG. 8D

MISC.

Date:

Note:

[illegible]

FIG. 8E

FIG. 8F

My Medicines My Account History Journal Score Web | RSS

ADLER RA

EDIT MY MEDICINES

NAME: COMBIVIR 1500/30 MG

TAKE: 1 tablet 2x daily

MATRIX: 

click inside squares to edit

ALARM: ON

TIME 1: 8:00 am

TIME 2: 6:00 pm

WHEN: daily

APPLICATION:

facebook
twitter
text msg
email
iphone

INFO

NAME: COMBIVIR 1500/30 MG

TAKE: 1 tablet 2x daily

MATRIX: 

ALARM: ON

TIME 1: 8:00 am

TIME 2: 6:00 pm

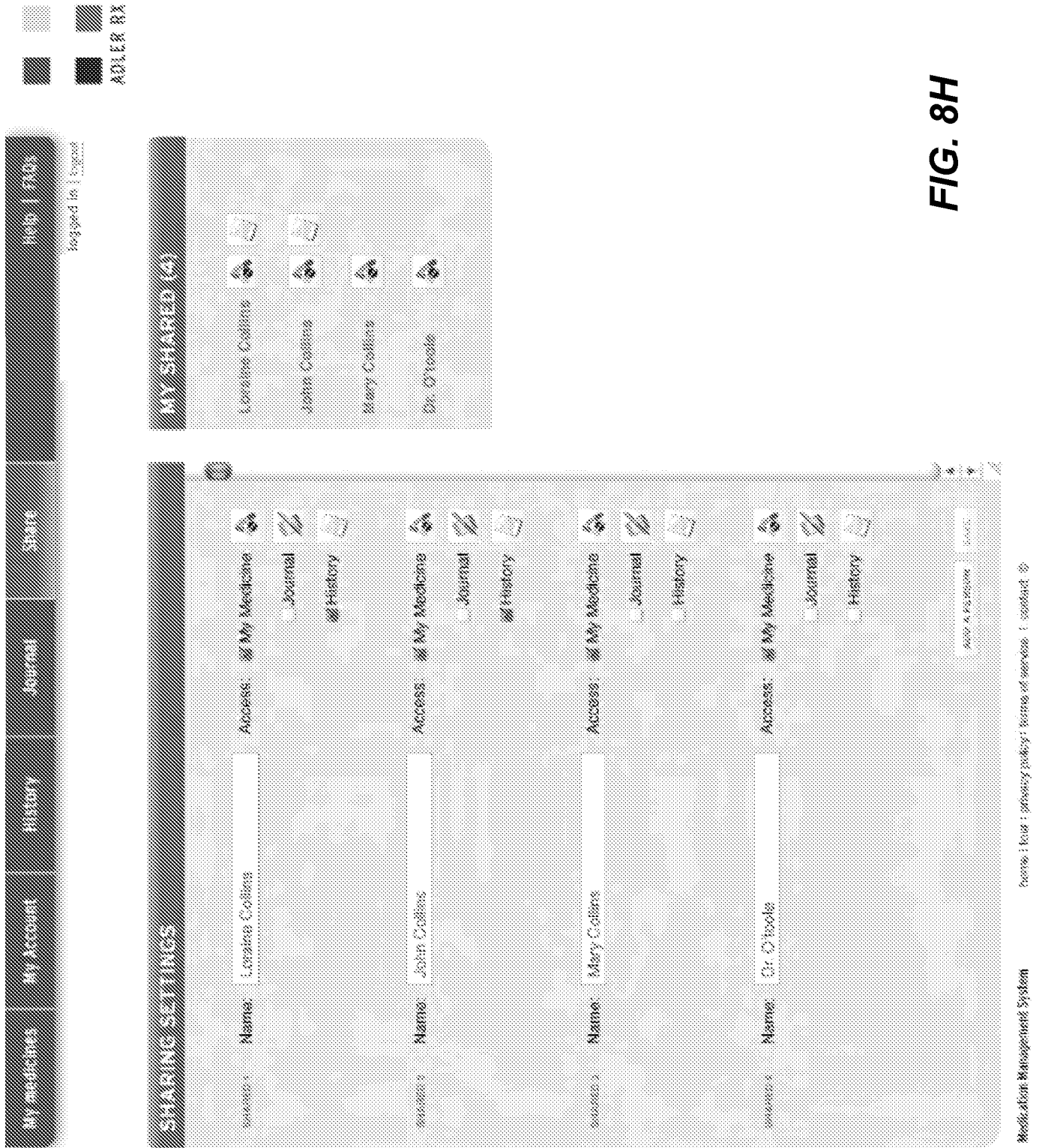
WHEN: daily

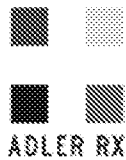
APPLICATION: facebook, twitter, text msg, email, iphone

SAVE **CLOSE**

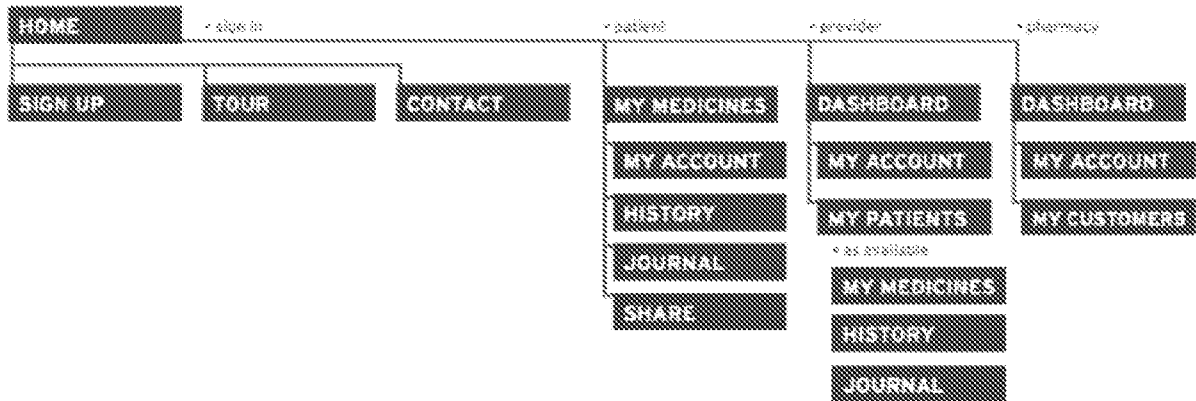
ADLER RA

FIG. 8G





Site Map



Content Outline

Home:

- logo
- tagline
- exposed sign in form
- explanation of system and images of parts
- why Adler Rx copy
- link to Tour
- link to Sign Up page

Sign up

- email
- name
- zip
- password
- pharmacy code (or some other system to control who can sign up)
- select bullet points on why Adler Rx
- optional: add alerts and history at the time of signing up

Tour

- step by step of the process and capabilities of the system and site
- could be multiple pages, video or both

Contact

My Medicines

- list of all meds
- schedule of meds
- alerts opt in
- side effects
- emergency what to do
- alerts for upcoming refills

My Account

- user name and password settings
- time zone
- age
- sex
- alert devices: email, phone, text

History

- medical history
- medications taken

Journal

- entries for each doctor visit/side effect/question
- Blood pressure/blood sugar/weight etc.

Share (By patient invitation only)

- list of people sharing my info
- what info to share on a per person basis

FIG. 8I

Folded Label : peel open

