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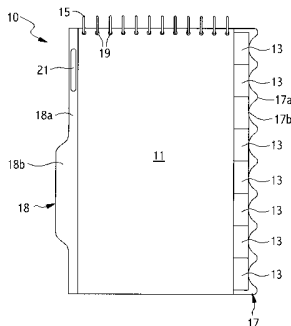
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(54) Title: POCKET-SIZED TRAVEL BOOK



(57) Abstract: An improved pocket-sized book capable of one-handed manipulation. The book has informational pages (12) among which a user may navigate by using only the hand holding the book. The book has finger slots (17) for receiving the fingers of a user and a thumb restraint (18) for securing the thumb and thumb mass to prevent both from interfering with either the turning of the pages or the user's view of the information printed thereon. By placing his or her finger on one of the tabs (13) and providing an upward rotational force on the book, a user is able to open the book to the desired section and view the information printed on the pages therein. A guard (21) attached to the side of the book blocks the lateral movement of the pages so that the pages do not become askew.

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POCKET-SIZED TRAVEL BOOK

Technical Field

The field of the invention relates to a handheld pocket-sized book. In greater
5 particularity, the field of the invention relates to a handheld pocket-sized travel book
designed for one-handed manipulation.

Background Art

Pocket-sized travel books are well known in the art. A typical pocket-sized
10 book has front and back covers, pages therebetween for the displaying and/or
recording of information, and tabs to indicate different sections of the book. One
advantage of the small sizes of these books is that they may generally be held in one
hand so that a user's other hand is unencumbered to allow the user to obtain
information while simultaneously performing some other activity, such as talking on
15 the phone. However, the structure of prior art pocket-sized books does not allow for
easy one-handed manipulation. What is needed is a pocket-sized book that allows
easy one-handed manipulation and review of the contents therein.

Disclosure of the Invention

20 In view of the foregoing disadvantages inherent in pocket-sized books known
in the prior art, the present invention provides an improved apparatus wherein the
same may be manipulated with one hand and information easily obtained therefrom.

To attain this, the preferred embodiment of the present invention is a pocket-
sized travel book which preferably comprises a front cover; a back cover having first
25 and second lateral sides; a plurality of content pages between the front and back

covers having first and second lateral sides; a tab formed along the second lateral side of each content page to designate the different sections of the book; a plurality of rings engaging the front cover, content pages, and back cover to allow each to be rotated; a plurality of finger slots formed along the second lateral side of the back cover, each of which is designed to receive a finger of the user; a thumb restraint formed along the first lateral side of the back cover; and an elastic band attached to the back cover capable of securing the book.

Brief Description of the Drawings

10 The invention will be better understood when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

FIG. 1 is a front elevational view of the preferred embodiment of the present invention.

15 FIG. 2 is an exploded perspective view of the preferred embodiment of the present invention.

FIG. 3 is a side view of the preferred embodiment of the present invention.

Best Mode for Carrying Out the Invention

20 The pocket-sized travel book is indicated generally by the numeral **10**. The book **10** has a front cover **11**, which preferably indicates the substance of the information contained in the book **10**, such as the city for which travel information is being provided. Behind the front cover **11** is a plurality of pages **12** upon which the travel information is printed. Behind the last page is a back cover **14**. The front cover
25 **11**, pages **12**, and back cover **14** are all sized to allow the book **10** to be easily held in

one hand of the user. For example, the front cover **11**, pages **12**, and back cover **14** are preferably each rectangular and measure approximately 3 inches wide by approximately 5.5 inches high to allow such one-handed control.

The book **10** has a plurality of tabs **13**, each of which is formed along the
5 second lateral side of a different page **12**. Each of the tabs **13** corresponds to a different section of the book **10**. For example, one tab and thus one section might correspond to restaurants located in the city featured in the book **10**. In this instance, some designation that the tab corresponds to restaurants would preferably be indicated on the tab, such as the printing of the word "restaurants" or some abbreviation thereof.
10 Preferably, each page **12** has a tab **13** and also has information printed thereon. However, other embodiments are envisioned, such as where each section of the book **10** includes a tab **13** formed along the first page of that section, with the remaining pages corresponding to that section located therebehind. As shown in FIGS. 1-2, the tabs **13** steadily increase in height from the front end to the back end of the book **10** so
15 that a portion of each tab **13** is preferably visible from a front view of the book **10** so that a user may easily select the section of the book **10** that he or she wishes to consult. To allow the tabs **13** to be easily viewed, the second lateral side of the front cover **11** is preferably trimmed by a distance at least as great as the width of the tabs **13**, which is preferably approximately 0.375-0.5 inches or some other dimension
20 adequate to allow a user to easily secure a tab **13** with his or her finger. It can be appreciated that the height of each tab **13** not covered by any of the tabs thereabove will preferably depend upon the total number of tabs **13**, so that if 5.25 inches of the height of the book **10** is reserved for tabs **13** and the book **10** has 10 tabs, preferably 0.525 inches of the height of each tab **13** will be visible. Preferably, the height of

each tab **13** visible from a front view of the book **10** will not measure less than approximately 0.5 inches.

The front cover **11**, pages **12**, and back cover **14** are all preferably engaged by a plurality of rings **15**. To allow this engagement, at the tops of the front cover **11**,
5 back cover **14**, and every page **12** is a plurality of circular holes **19** through each of which preferably passes a ring **15**. Each hole in the front cover **11** is aligned with a hole in each page **12** as well as a hole in the back cover **14**, thus allowing each ring **15** to engage the front cover **11**, pages **12**, and back cover **14** by passing through a hole formed in each of the front cover **11**, pages **12**, and back cover **14**. Each ring **15** is
10 preferably small in relation to the size of the front cover **11**, preferably measuring less than approximately 1 inch in diameter, and is preferably made of metal or plastic. The holes **19** preferably have a uniform diameter adequate for allowing the front cover **11**, pages **12**, and back cover **14** to rotate freely about the rings **15** so that any page may be positioned at the forward end of the book **10** to allow the user to view
15 the contents printed thereon. While the preferred embodiment has a plurality of rings **15**, an alternate embodiment would have a coil (not pictured), preferably made of metal, passing through each hole **19** in a manner similar to a typical spiral bound notebook.

Formed along the second lateral side of the back cover **14** is a plurality of
20 finger slots **17**. The finger slots **17** are a series of alternating crests **17a** and troughs **17b**. Each trough **17b** is shaped to accommodate a finger of the user. As best shown in FIG. 1, the outside edge of each tab **13** is preferably tangent to the nadir of exactly one trough **17b**. Measured in a direction parallel to the bottom edge of the book **10**, the apex of each crest **17a** is preferably approximately 0.125 inches beyond this point
25 of tangency. The apex of each crest **17a** is preferably aligned with the boundary

between two tabs such that there is a one-to-one ratio between troughs **17b** and tabs **13** and a finger in a trough **17b** is intended to secure exactly one tab **13**. The distance between the apices of consecutive crests **17a** is substantially aligned with the portion of a corresponding tab **13** not covered by any of the tabs **13** thereabove to allow the
5 easy manipulation of the tabs **13**.

Formed along the first lateral side of the back cover **14** is a thumb restraint **18**. As best shown in FIG. 1, the thumb restraint **18** preferably comprises a thumb restraint area **18a** and thumb mass restraint area **18b**. The thumb restraint **18** preferably prevents the user's thumb and fleshy part of the palm between the thumb
10 and the wrist (hereinafter "thumb mass") from protruding into the area above and between the front cover **11** and pages **12** so as to prevent the thumb and thumb mass from interfering with either the turning of the front cover **11** and the pages **12** or the reading of the information printed thereon. Preferably, the thumb restraint area **18a** is formed along the first lateral side of the back cover **14** and spans from the upper end
15 of the first lateral side to approximately the midpoint of the first lateral side of the back cover **14**. The thumb mass restraint area **18b** is formed along the first lateral side of the back cover **14** and preferably spans from approximately the midpoint of the first lateral side to a point less than approximately one inch from the lower end of the first lateral side of the back cover **14**. The thumb restraint area **18a** extends
20 beyond the width of the front cover **11** and pages **12** a distance adequate for supporting the user's thumb, preferably approximately 0.125 inches. The thumb mass restraint area **18b** extends beyond the width of the front cover **11** and pages **12** a distance that is greater than that of the thumb restraint area **18a** and is adequate for supporting the user's thumb mass, preferably approximately 0.25 inches.

In use, the user places his or her thumb against the thumb restraint area **18a**, his or her thumb mass against the thumb mass restraint area **18b**, and his or her fingers inside the troughs **17b**, each of which is aligned with a tab **13** corresponding to an informational section in which the user is interested. While each book **10** typically has more than four tabs **13** and troughs **17b**, the user may easily move his or her fingers among the troughs **17b** to gain access to all of the tabs **13**. The user then selects a section of the book **10** he or she wishes to consult, secures the tab **13** associated with the selected section with his or her finger, and provides an upward rotational force on the book **10** to cause the pages above the page having the secured tab to rotate behind the back cover **14**, bringing the selected section to the forward end of the book **10**. In order to more easily allow the front cover **11** and pages **12** to be rotated, each are preferably made of a heavy gauge paper, preferably plastic coated for increased durability. The tabs **13** are preferably made of the same material as the pages **12** along which they are formed for ease of manufacture. In addition to allowing the front cover **11** and pages **12** to be more easily rotated, the heavier material also provides the book **10** greater protection.

To allow the front **11** and back **14** covers and pages **12** to turn freely about the rings **15**, the rings **15** preferably do not entirely fill each hole **19**. However, this remaining space inside each hole **19** allows any of the pages **12** some movement relative to the rings **15** and thus to become askew from the remaining pages **12**. A user attempting to secure a tab will preferably press downwardly thereon. However, since, due to the design of the apparatus **10**, the securing finger would point inwardly towards the center of the book **10**, most likely at least some lateral force would be exerted on the tab and page along which the tab is formed, thus potentially causing the page to become askew. As best shown in FIG. 3, to diminish such chance of a

skewed page, the apparatus 10 preferably has a guard 21 attached to the first lateral side of the back cover 14 to prevent the lateral movement of the front cover 11 and any of the pages 12. Preferably, the guard 21 is attached to the thumb restraint 18. The guard 21 is preferably U-shaped with the plane of the guard 21 being substantially perpendicular to the plane of the pages 12. The height of the guard 21 is preferably adequate for preventing the lateral movement of the topmost page 12 having a tab 13 attached thereto. The back cover 14, finger locks 17, thumb restraint 18, and guard 21 are preferably all made of a single material for ease of manufacture, preferably plastic or some other material suitable for resisting wear from forces exerted by the user's thumb, thumb mass, and fingers and for providing substantial resistance against pages attempting to become askew.

The rear surface of the back cover 14 preferably has an elastic band (not shown) or other securing means attached thereto. The elastic band is preferably of sufficient length and elasticity so that it may be used to secure the book 10 while not in use. Furthermore, the elastic band is capable of securing a writing utensil (not shown) such as a pen or mechanical pencil, which may be used to take notes within the book 10 or to copy notes from the book 10 onto another sheet of paper.

While the finger slots 17 and tabs 13 are required to be on the same lateral side of the book 10, those features may appear on either the left or right side to an observer facing the front of the book 10. Where the finger slots 17 and tabs 13 appear on the right side of the book 10, the book 10 is designed to be held in the left hand. Conversely, where the finger slots 17 and tabs 13 appear on the left side of the book 10, the book 10 is designed to be held in the right hand. If, for example, a user wishes to take notes about the contents of the book 10 while flipping through the different pages 12, the hand with which the user comfortably writes would limit the user to a

book 10 with finger slots 17 and tabs 13 on one particular side. Since most people are right-handed, most books 10 would have finger slots 17 and tabs 13 on the right side of the book 10. However, it is envisioned that books 10 having finger slots 17 and tabs 13 on the left side would also be produced.

5 It is to be understood that the forms of the invention shown and described are preferred embodiments thereof and that various changes and modifications may be made therein without departing from the spirit of the invention or scope as defined in the following claims. For example, it is foreseen that the book can include blank pages for simple note-taking, or can be directed to a particular professional endeavor,
10 such as engineering, wherein the book can be designed for field use.

Claims

1. A book designed for one handed manipulation, comprising:
 - a. a front cover (11) having an upper end, a lower end, and first and
5 second lateral sides;
 - b. a back cover (14) having an upper end, a lower end, and first and
second lateral sides, wherein said first lateral side of said back cover
comprises a thumb restraint (18);
 - c. a plurality of pages (12) between said front and back covers, wherein
10 each of said pages has an upper end, a lower end, and first and second
lateral sides, and wherein said second lateral side of at least one of said
pages includes a tab (13) that extends beyond said second lateral side
of said front cover; and
 - d. means for connecting said upper end of said front cover, said upper
15 end of each of said plurality of pages, and said upper end of said back
cover.
2. A book according to claim 1 further comprising a plurality of tabs (13)
wherein said second lateral side of each of said plurality of pages includes a tab that
20 extends beyond said second lateral side of said front cover.
3. A book according to claim 2 wherein said second lateral side of said back
cover comprises a plurality of finger slots (17).

4. A book according to claim 3 wherein said finger slots and said tabs are positioned such that each of said tabs may be secured by a finger in at least one of said finger slots.
- 5 5. A book according to claim 4 wherein a one-to-one ratio exists between said finger slots and said tabs such that the outside edge of each of said tabs is tangent to the nadir of exactly one finger slot.
6. A book according to claim 1 wherein said thumb restraint comprises a thumb
10 restraint area (18a) and a thumb mass restraint area (18b).
7. A book according to claim 1 wherein said front cover, pages, and back cover each has a plurality of holes (19) along said upper ends thereof.
- 15 8. A book according to claim 7 wherein said connecting means comprises a plurality of rings and wherein each of said holes has a ring passing therethrough such that each of said rings engages said front cover, said plurality of pages, and said back cover.
- 20 9. A book according to claim 7 wherein said connecting means comprises a spiral and wherein each of said holes has said spiral passing therethrough such that each loop in said spiral engages said front cover, said plurality of pages, and said back cover.

10. A book according to claim 2 wherein said pages have travel information printed thereon.
11. A book according to claim 10 wherein said pages are divided into sections
5 according to different types of said information printed thereon and wherein each of said tabs indicates the first page of a section.
12. A book according to claim 1 further comprising a guard (21) attached to said first lateral side of said back cover wherein said guard is capable of impeding the
10 lateral movement of at least some of said pages.
13. A book according to claim 12 wherein the plane of said guard is substantially perpendicular to the plane of said back cover.
14. A book according to claim 1 further comprising means for securing said book
15 in a closed position.
15. A book according to claim 14 wherein said securing means comprises an elastic band attached to said back cover, wherein said elastic band is capable of being
20 wrapped around said book and securing a writing utensil adjacent to said book.
16. A method of using a book comprising a front cover (11), a plurality of pages (12), and a back cover (14), each having an upper and lower end and first and second lateral sides; and means for connecting said upper ends of said front cover, pages, and
25 back cover; said method comprising the steps of:

- a. placing fingers of a user's hand inside a plurality of finger slots (17) formed along said second lateral side of said back cover;
- b. placing the thumb and thumb mass of a user's hand against a thumb restraint (18) formed along said first lateral side of said back cover;
- 5 c. placing at least one of the fingers on a tab (13) formed along said second lateral side of one of said pages; and
- d. providing an upward rotational force on said book such that said front cover and said pages above said page having said tab rotate away from said page having said tab.

10

17. The method of claim 16 wherein said thumb restraint extends beyond the width of said first lateral side of each of said front cover and said pages.

18. The method of claim 16 wherein said thumb restraint comprises a thumb
15 restraint area (18a) and a thumb mass restraint area (18b).

19. The method of claim 16 wherein said book further comprises a guard (21) attached to said first lateral side of said back cover, wherein said guard is capable of impeding the lateral movement of at least some of said pages.

20

20. The method of claim 16 wherein said book further comprises a plurality of tabs (13) wherein said second lateral side of each of said plurality of pages includes a tab that extends beyond said second lateral side of said front cover.

21. The method of claim 20 wherein said tabs and said finger slots each extend beyond said second lateral side of said front cover.

