



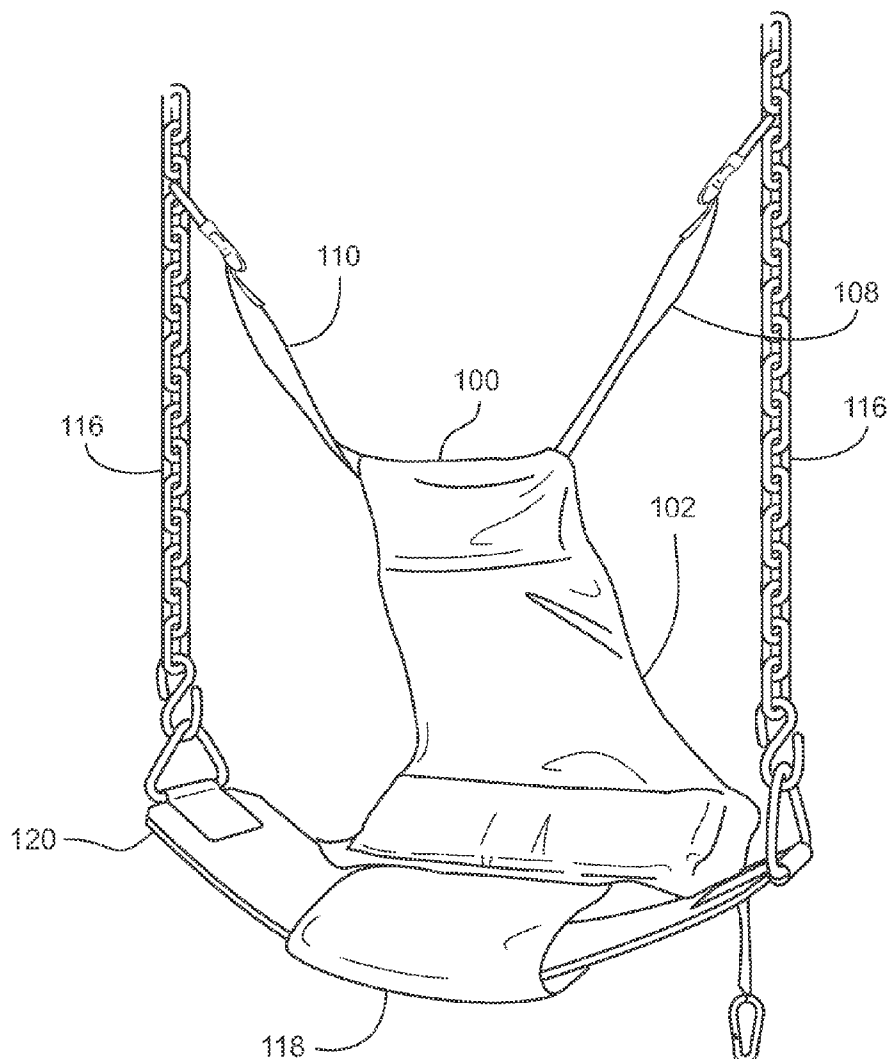
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(19) **United States**(12) **Patent Application Publication**  
**Smith**(10) **Pub. No.: US 2014/0252826 A1**(43) **Pub. Date: Sep. 11, 2014**(54) **SWING SEAT ADAPTORS**(71) Applicant: **Peter Smith**, Raleigh, NC (US)(72) Inventor: **Peter Smith**, Raleigh, NC (US)(21) Appl. No.: **14/205,148**(22) Filed: **Mar. 11, 2014****Related U.S. Application Data**

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**A47D 1/10** (2006.01)(52) **U.S. Cl.**CPC ... **A63G 9/00** (2013.01); **A47D 1/10** (2013.01)USPC ..... **297/250.1**(57) **ABSTRACT**

Swing seat adaptors are disclosed herein. According to an aspect, a swing seat adaptor includes an elongated seat element having a top portion and a bottom portion. Further, the swing seat adaptor includes first and second attachment members each having a first end attached to the top portion of the elongated seat. Each of the attachment members have an opposed second end configured for attachment to a chain of a swing seat. The swing seat adaptor includes a seat connection element attached to the bottom portion of the elongated seat element. The seat connection element is configured for attachment to a seat portion of a swing seat.



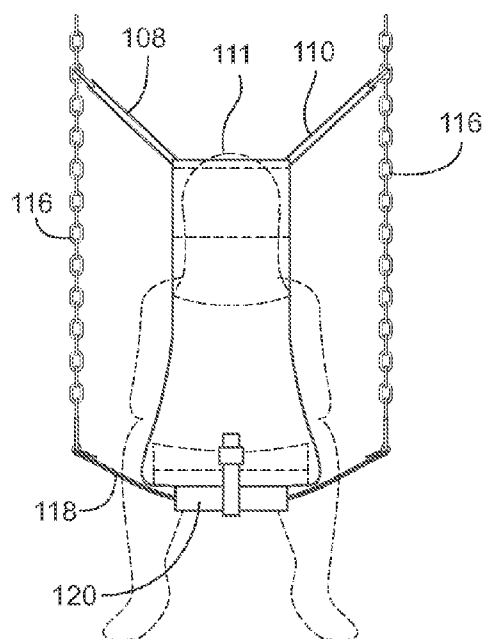


Fig. 1A

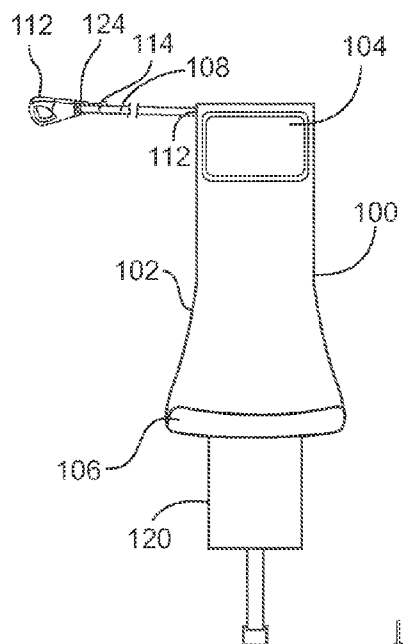


Fig. 1B

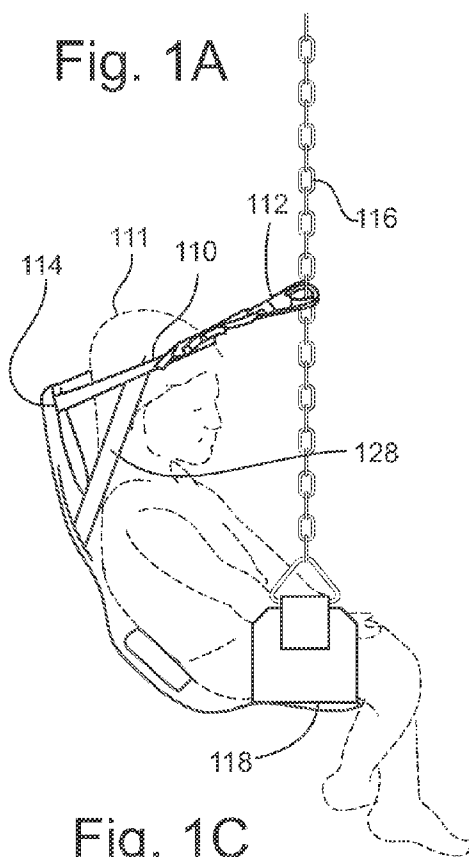


Fig. 1C

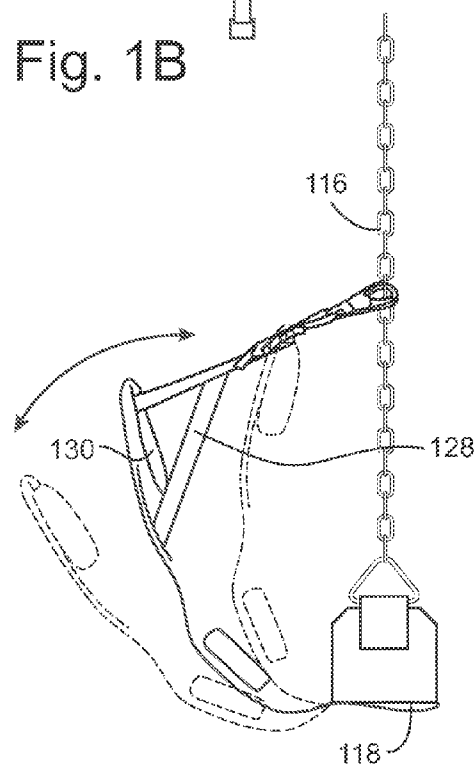


Fig. 1D



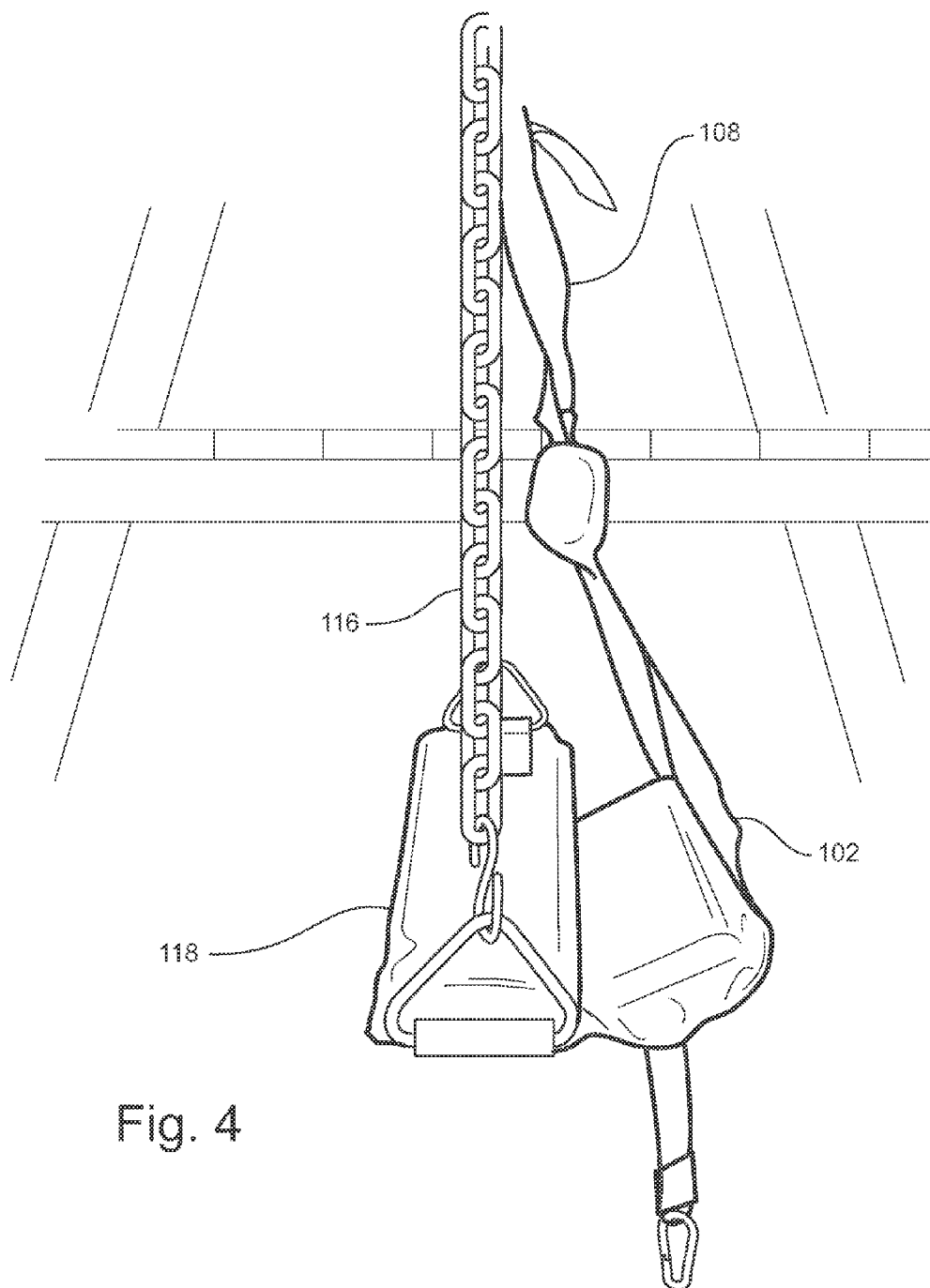


Fig. 4

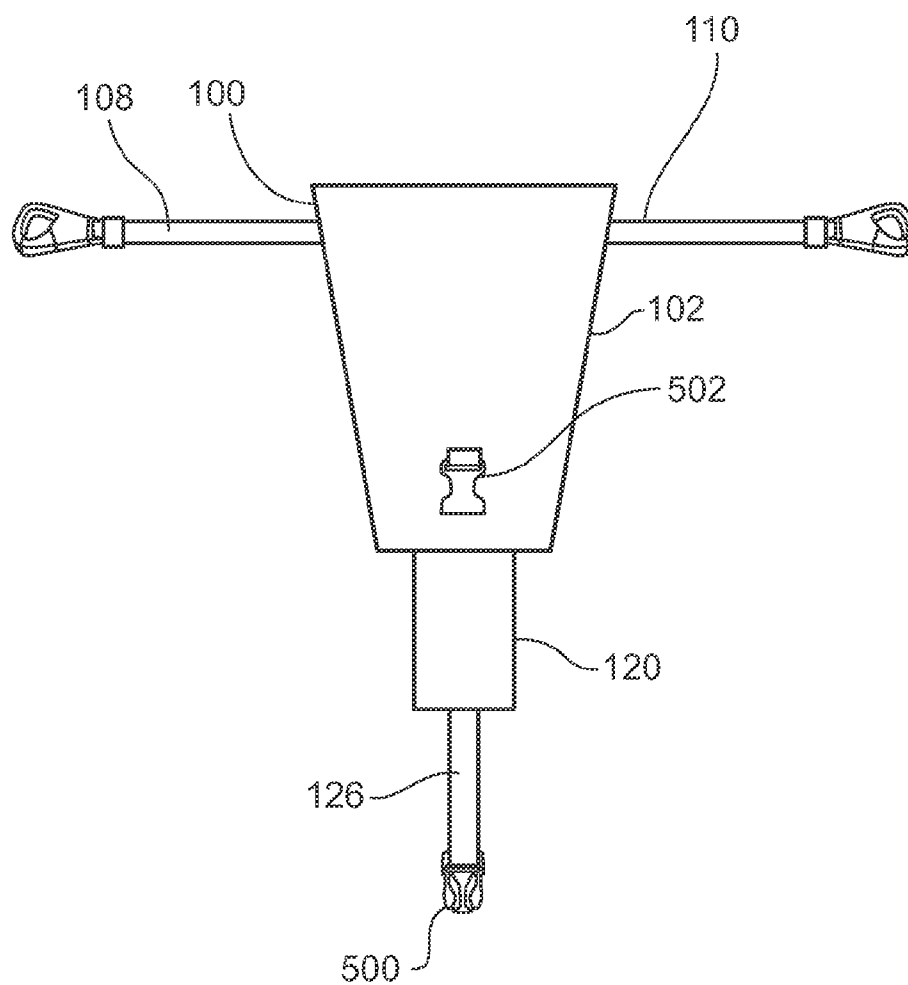


Fig. 5

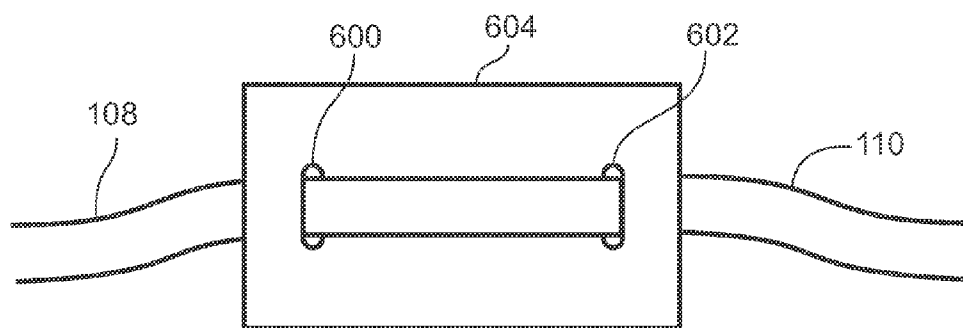


Fig. 6

## SWING SEAT ADAPTORS

### CROSS REFERENCE TO RELATED APPLICATION

[0001] This application claims the benefit of U.S. Provisional Patent Application No. 61/775,773, filed Mar. 11, 2013 and titled SWING SEAT ADAPTORS, the disclosure of which is incorporated herein by reference in its entirety.

### TECHNICAL FIELD

[0002] The present disclosure relates to child swings. More particularly, the present disclosure relates to swing seat adaptors.

### BACKGROUND

[0003] Play sets are often equipped with swings for children to play. A typical swing includes a swing seat that is attached to ends of a pair of chains. The chains are attached to a top portion of the play set. The swing seat can move generally in a forward and backward direction such that a child can swing when seated in the swing seat. The child can stabilize herself or himself by grasping the chains.

[0004] For smaller children, this typical swing can be unsafe because it does not have a back portion so the child can have back support. In addition, smaller children may not have the strength to stabilize themselves by grasping the chains. Some more recent swing seats do have safety features such as a back support. However, such swing seats are not available on all play sets or playgrounds. For these reasons, it is desired to provide improved technologies for swing seats.

### SUMMARY

[0005] This Summary is provided to introduce a selection of concepts in a simplified form that are further described below in the Detailed Description. This Summary is not intended to identify key features or essential features of the claimed subject matter, nor is it intended to be used to limit the scope of the claimed subject matter.

[0006] Disclosed herein are swing seat adaptors. According to an aspect, a swing seat adaptor includes an elongated seat element having a top portion and a bottom portion. Further, the swing seat adaptor includes first and second attachment members each having a first end attached to the top portion of the elongated seat. Each of the attachment members have an opposed second end configured for attachment to a chain of a swing seat. The swing seat adaptor includes a seat connection element attached to the bottom portion of the elongated seat element. The seat connection element is configured for attachment to a seat portion of a swing seat.

### BRIEF DESCRIPTION OF THE DRAWINGS

[0007] The foregoing summary, as well as the following detailed description of various embodiments, is better understood when read in conjunction with the appended drawings. For the purposes of illustration, there is shown in the drawings exemplary embodiments; however, the presently disclosed subject matter is not limited to the specific methods and instrumentalities disclosed. In the drawings:

[0008] FIGS. 1A-1D illustrate different views of a swing seat adaptor in accordance with embodiments of the present disclosures;

[0009] FIG. 2 illustrates a top view of an example swing seat adaptor that is not attached to a swing seat in accordance with embodiments of the present disclosure;

[0010] FIG. 3 illustrates a perspective view of the swing seat adaptor shown in FIG. 2 being attached to a swing seat in accordance with embodiments of the present disclosure;

[0011] FIG. 4 illustrates a side view of the swing seat adaptor shown in FIG. 3;

[0012] FIG. 5 illustrates a rear view of another example swing seat adaptor in accordance with embodiments of the present disclosure; and

[0013] FIG. 6 is a view of an interior support component for use with the swing seat adaptor in accordance with embodiments of the present disclosure.

### DETAILED DESCRIPTION

[0014] The presently disclosed subject matter is described with specificity to meet statutory requirements. However, the description itself is not intended to limit the scope of this patent. Rather, the inventors have contemplated that the claimed subject matter might also be embodied in other ways, to include different steps or elements similar to the ones described in this document, in conjunction with other present or future technologies.

[0015] FIGS. 1A-1D illustrate different views of a swing seat adaptor 100 in accordance with embodiments of the present disclosures. Referring to FIG. 1A, the figure shows a side view of the swing seat adaptor 100, which includes an elongated seat element 102 having a top portion 104 and a bottom portion 106. Further, the adaptor 100 includes a first attachment member 108 and a second attachment member 110 (not shown in FIG. 1A). The second attachment member 110 is shown in FIG. 1B, which illustrates a rear view of the adaptor 100 being connected to a swing seat and also with a child 111 seated therein. The first and second attachment members 108 and 110 each have a first end 112 attached to the top portion 104 of the elongated seat element 102. Further, members 108 and 110 each have an opposed second end 114 configured for attachment to a chain 116 of a swing seat 118 as shown in FIG. 1B.

[0016] The adaptor 100 may also include a seat connection element 120 attached to the bottom portion 106 of the elongated seat element 102. The seat connection element 120 may attach to a seat portion of the swing seat 118 as shown in FIG. 1B.

[0017] In an accordance with embodiments, the elongated seat element 102 may be made entirely or partially of fabric. Further, the elongated seat element 102 may be flexible. The elongated seat element 102 may include a cushion material.

[0018] In an accordance with embodiments, the first and second attachment members 108 and 110 may each include a carabiner 122. Further, the first and second attachment members 108 and 110 may each include a ring component 124 (e.g., a D-ring) that attaches the respective carabiner 122 to the respective attachment member, which may be a strap such as a nylon strap.

[0019] In accordance with embodiments, the first and second attachment members 108 and 110 may be a single strap that extends through the top portion 104 of the elongated seat element 102.

[0020] In an accordance with embodiments, the seat connection element 120 may be made entirely or partially of

fabric. Further, the seat connection element **120** may be flexible. The seat connection element **120** may include a cushion material.

[0021] In accordance with embodiments, the seat connection element **120** may wrap around the seat portion of the swing seat **118**. The seat connection element **120** may include a strap **126** including an end for releasable attachment to a rear portion of the elongated seat element.

[0022] In accordance with embodiments, the adaptor **100** may include third and fourth attachment members **128** each having a first end attached to a middle portion of the elongated seat element. Each of the third and fourth attachment members **128** have a second end attached at a middle portion of the first and second attachment members **108** and **110**, respectively. It is noted that members **128** are optional.

[0023] In accordance with embodiments, the adaptor **100** includes a head rest **130** attached to the top portion **108** of the elongated seat element **102**. The head rest **130** may be made entirely or partially of fabric. Further, the head rest **130** may be flexible. The head rest **130** may include a cushion material.

[0024] FIG. 1C illustrates a side view of the adaptor **100**, swing seat **118**, and child **111** shown in FIG. 1B.

[0025] FIG. 1D illustrates another side view of the adaptor **100** and swing seat **118** without the child seated therein. Referring to FIG. 1D, the back portion of the seat is shown in a more reclined position as compared to the view shown in FIG. 1C. The recline position of the back portion may be adjusted by adjustment of members **108** and **110**.

[0026] FIG. 2 illustrates a top view of an example swing seat adaptor that is not attached to a swing seat in accordance with embodiments of the present disclosure.

[0027] FIG. 3 illustrates a perspective view of the swing seat adaptor shown in FIG. 2 being attached to a swing seat in accordance with embodiments of the present disclosure.

[0028] FIG. 4 illustrates a side view of the swing seat adaptor shown in FIG. 3 in accordance with embodiments of the present disclosure.

[0029] FIG. 5 illustrates a rear view of another example swing seat adaptor in accordance with embodiments of the present disclosure. Referring to FIG. 5, the swing seat adaptor **100** is similar to other seat adaptors disclosed herein and like reference numbers refer to like elements. The adaptor **100** also includes a plastic buckle for affixing the seat connection element **120** to a swing seat. More particularly, a male end **500** of the buckle is attached to the strap **126** and a female end **502** of the buckle is attached to the elongated seat element **102** such that the seat connection element **120** may wrap around the swing seat and then the male portion **500** connected to the female portion **502** for attaching the adaptor **100** to the swing seat. Further, metal swivel clasps **504** may be attached to members **108** and **110** for attachment to the chains of the swing seat. Further, the members **108** and **110** may each include plastic adjuster for adjusting a length of the members **108** and **110** for reclining the back portion of the adaptor **100**.

[0030] FIG. 6 is a view of an interior support component for use with a swing seat adaptor in accordance with embodiments of the present disclosure. Referring to FIG. 6, members **108** and **110** may be a single strap that extends through an upper portion of the elongated seat element, such as the element **102** shown in FIG. 3. Further, the strap may extend through apertures **600** and **602** in a component **604**. The component **604** may be made of a rigid material such as

plastic. Further, the component **604** may be positioned within the upper portion of the elongated seat element for providing support and firmness to the upper portion.

[0031] While the embodiments have been described in connection with the various embodiments of the various figures, it is to be understood that other similar embodiments may be used or modifications and additions may be made to the described embodiment for performing the same function without deviating therefrom. Therefore, the disclosed embodiments should not be limited to any single embodiment, but rather should be construed in breadth and scope in accordance with the appended claims.

What is claimed:

1. A swing seat adaptor comprising:  
an elongated seat element having a top portion and a bottom portion;  
first and second attachment members each having a first end attached to the top portion of the elongated seat element, and each having an opposed second end configured for attachment to a chain of a swing seat; and  
a seat connection element attached to the bottom portion of the elongated seat element, and configured for attachment to a seat portion of a swing seat.
2. The swing seat adaptor of claim 1, wherein the elongated seat element comprises fabric.
3. The swing seat adaptor of claim 1, wherein the elongated seat element is flexible.
4. The swing seat adaptor of claim 1, wherein the elongated seat element comprises a cushion material.
5. The swing seat adaptor of claim 1, wherein the first and second attachment members each comprise a carabiner.
6. The swing seat adaptor of claim 5, wherein the first and second attachment members each include a ring component that attaches the respective carabiner to the respective attachment member.
7. The swing seat adaptor of claim 1, wherein the first and second attachment members each comprise a strap.
8. The swing seat adaptor of claim 1, wherein the first and second attachment members comprise a single strap that extends through the top portion of the elongated seat element.
9. The swing seat adaptor of claim 1, wherein the seat connection element comprises fabric.
10. The swing seat adaptor of claim 1, wherein the seat connection element is flexible.
11. The swing seat adaptor of claim 1, wherein the seat connection element comprises a cushion material.
12. The swing seat adaptor of claim 1, wherein the seat connection element is adapted to wrap around the seat portion of the swing seat.
13. The swing seat adaptor of claim 12, wherein the seat connection element comprises a strap including an end for releasable attachment to a rear portion of the elongated seat element.
14. The swing seat adaptor of claim 1, further comprising third and fourth attachment members each having a first end attached to a middle portion of the elongated seat element, and each having a second end attached at a middle portion of the first and second attachment members, respectively.
15. The swing seat adaptor of claim 1, further comprising a head rest attached to the top portion of the elongated seat element.

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