Summary of the Invention

There is disclosed herein a number of embodiments of an improved chair which avoids the disadvantages of prior devices while affording additional structural and operating advantages.

According to a first aspect of the invention, a child seat is described, the child seat comprising a seat having a bottom support and a back support; a frame and a chair side panel attached to an inside surface of the frame, the chair side panel having a plurality of fixed seat position channels each configured to retain the bottom support therein, wherein the bottom support of the seat is vertically adjustable relative to the back support via the seat position channels; and a seat latching mechanism for retaining the seat at any of the fixed seat position channels, the seat latching mechanism comprising: a slide bar positioned to intersect each of the fixed seat position channels and capable of movement along an axis between a lock position and a release position, wherein the seat is locked in a channel when the slide bar is at the lock position and the seat is removable from a channel when the slide bar is at the release position; and a button attached to an end of the slide bar and which moves along an axis, transverse to the axis of the slide bar, between a first and second position, wherein the slide bar is prevented from movement when the button is in the first position and is slidable between the slide bar lock and release positions when the button is in the second position.

In ana ~~first~~ embodiment, a highchair for seating a child is described. The highchair comprises a seat having a bottom support and a back support, the bottom support including a fixed center post extending there from, a frame attached to and supporting the seat at a height, the bottom support of the seat being adjustable between a plurality of fixed positions channels on the frame, and a tray detachably coupled only to the center post of the seat.

In ana ~~second~~ embodiment, the highchair includes a seat having a bottom support and a back support, the bottom support including a fixed center post extending there from, a frame attached to and supporting the seat at a height, and a tray having a locking mechanism on a bottom surface for adjustably coupling at a position to the center post of the seat, wherein the position, including removal of the tray, on the center post is adjustable via manipulation of a single release mechanism fixed to the tray and coupled to the locking mechanism.

An ~~A third~~ embodiment of the disclosed highchair includes a seat having a bottom support and a back support, the bottom support including a fixed center post extending there from, a frame comprising a plurality of fixed seat position channels and a plurality of fixed footrest position channels, wherein the frame supports the bottom support in a first seat position channel and a footrest is a first footrest position channel and the bottom support of the seat and the footrest are independently adjustable

between the seat position channels and the footrest position channels, respectively, and a tray detachably coupled to the center post of the seat.

In an~~a fourth~~ embodiment, the highchair includes a seat having a bottom support and a back support, the bottom support including a fixed center post extending there from, a frame attached to and supporting the seat at a height, a harness for securing a child positioned in the seat, the harness being secured to the seat and adjustable for various sizes at a position adjacent a rear surface of the back support, and a tray detachably coupled to the center post of the seat.

In an~~a fifth~~ embodiment, the highchair comprises a seat having a bottom support and a back support, the bottom support including a fixed center post extending there from, a tray detachably coupled to the center post of the seat, a tray latching mechanism for connecting the tray to the center post and capable of movement between a first connecting position, a second connecting position and a release position, a frame supporting the seat at a first position and having a footrest supported at a second position on the frame, wherein the bottom support of the seat and the footrest are independently adjustable between a plurality of fixed seat position channels on the frame and a plurality of fixed footrest position channels on the frame, respectively, and a harness for securing a child positioned in the seat, the harness being secured to the seat and adjustable for various sizes at a position adj cent a rear surface of the back support.

Still, an~~a sixth~~ embodiment of the highchair comprises a seat having a bottom support and a back support, a frame supporting the seat at a first position and having a footrest supported at a second position on the frame, wherein the bottom support of the seat and the footrest are independently adjustable between a plurality of fixed seat

position channels on the frame and a plurality of footrest position channels on the frame, respectively, a tray detachably coupled to the seat, a tray latching mechanism for connecting the tray to the seat and capable of movement between a first connecting position, a second connecting position and a release position, and a harness for securing a child positioned in the seat, the harness being secured to the seat and adjustable for various sizes at a position adjacent a rear surface of the back support.

In an ~~a seventh~~ embodiment, a child seat is disclosed which comprises a seat having a bottom support and a back support, a frame having a plurality of fixed seat position channels each configured to retain the bottom support therein, wherein the bottom support of the seat is vertically adjustable relative to the back support via the seat position channels, and a seat latching mechanism for retaining the seat at any of the fixed seat position channels. In such an embodiment the seat latching mechanism comprises a slide bar positioned to intersect each of the fixed seat position channels and capable of movement along an axis between a lock position and a release position, wherein the seat is locked in a channel when the slide bar is at the lock position and the seat is removable from a channel when the slide bar is at the release position, and a button attached to an end of the slide bar and which moves along an axis, transverse to the axis of the slide bar, between a first and second position, wherein the slide bar is prevented from movement when the button is in the first position and is slidable between the slide bar lock and release positions when the button is in the second position.

In still another embodiment, a chair comprises a seat having a bottom support and a back support, a frame supporting the seat, a tray detachably coupled to the seat, and a tray latching mechanism for connecting the tray at a latching point to one of