

**CLASS 297, CHAIRS AND SEATS****SECTION I - CLASS DEFINITION**

Devices for supporting the weight of a person in a seated position including chairs, seats, and ancillary devices not elsewhere classifiable.

- (1) Note. A seat is a support for bearing the weight of a person in a sitting position. It comprises (1) a bottom contoured to conform to the shape of the buttocks of the occupant or (2) supports for two or more different areas of the occupant's body or (3) any support surface disclosed as a buttocks support in combination with a means, such as a table, desk or an additional buttocks support, which limits the use of such surface to the disclosed use. As used in this class, the term "seat" is distinguished from the term "bottom" in that the bottom is the buttock supporting portion of a seat. For the location of the definitions of a chair, a bottom, and a back, see Subclass References To The Current Class below.

**SECTION II - SUBCLASS REFERENCES TO THE CURRENT CLASS****SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 411.1 for a support engaging the armpit of a seated person.  
 445.1 for the definition of a chair.  
 452.1 for the definition of a chair back and bottom..

**SECTION III - REFERENCES TO OTHER CLASSES****SEE OR SEARCH CLASS:**

- 4, Baths, Closets, Sinks, and Spittoons, subclasses 234+ for a closet seat with a cover or lid and subclasses 237+ for a closet seat, per se, especially subclass 239 for a detachable child's seat. A bottom having an opening is retained in this class (297). To be classified in Class 4, additional commode structure must be present, such as a receiver, a plug for the opening, a deflector shield, means for attaching the seat to the opening, etc.  
 5, Beds, subclasses 12.1+ for sofas convertible to beds, subclasses 600+ for beds having movable sections adjustable relative to each other to

support an occupant in a reclining or sitting position, subclasses 131+ for cushioned supporting surfaces spaced from the floor and capable of supporting an occupant in either a recumbent or sitting position, and subclasses 652+ for cushions, per se, of general utility. The art in Class 5, especially in subclasses 12.1+ and 600+, is often structurally and functionally indistinguishable from that in this class (297).

- 52, Static Structures (e.g., Buildings), appropriate subclasses for a panel of general utility even though disclosed or defined as being a component of a chair or seat.  
 56, Harvesters, subclass 323 for a seat combined with a machine of that class.  
 70, Locks, subclass 261 for locks for seats to prevent unauthorized use thereof.  
 104, Railways, subclass 115 for a chair or seat mounted on a cable railway, e.g., a ski lift.  
 105, Railway Rolling Stock, subclass 322 for railway cars having sleeping berth, wherein a seat back forms the upper berths, and subclasses 345+ for seats built in the forming parts of a car structure.  
 114, Ships, subclass 194 for self-leveling chairs attached to a ship, and subclass 363 for a seat combined with a boat.  
 128, Surgery, appropriate subclasses for a seat combined with a means to treat the body, particularly subclass 33 for a seat combined with a vibrating massager.  
 144, Woodworking, subclasses 329+ for a process of making a chair or seat of wood.  
 160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses, for a flexible or portable panel usable as a seat back or bottom, especially subclasses 87+ for plural panels; subclasses 327+ for a panel supported at opposite edges by elongated elements; subclasses 371+ for a panel mounted in a frame, and subclasses 383+ for means to fasten one edge of a fabric panel to an elongated supporting element.  
 172, Earth Working, subclass 431 for a seat combined with a machine of that class.  
 244, Aeronautics and Astronautics, subclass 122 for an aircraft fuselage having a seat.  
 248, Supports, subclass 118 for a headrest or armrest not disclosed as used in conjunction with a device of this class (297) and subclasses 127+ for a stand comprising a generally horizontal article supporting surface combined with

- depending substructure to space the surface from the floor or ground.
- 267, Spring Devices, subclasses 80+ for springs and their framework for bottom and back cushions. They may include diverse types of spring material such as rubber and metal, and spring structures having different coefficients of resiliency for different areas of the cushion. See, also, subclass 117 for the structure of a fluid spring for the same use; and subclasses 142+ for other types of spring elements in a spring device for such use.
- 280, Land Vehicles, appropriate subclasses, for the combination of a vehicle of the type there classified and a chair or seat. The mere recitation of wheels or running gear on a chair or seat is insufficient to characterize that device as a Class 280 Vehicle; consequently patents having such structure have been classified in this class (297) on other features. However, additional vehicle features such as removable or retractable running gear, a push handle, means to propel the vehicle, a steering wheel or tiller, are examples of vehicle structure details which characterize the device as a vehicle for Class 280. Moreover, in the "baby walker" type of seat, a wheel-mounted bottom modified to enable the occupant to engage the floor or ground with his feet to move the vehicle (as by providing leg cut-outs, or by mounting the seat between the wheels) is a vehicle for Class 280. See especially subclasses 5.2+ for an invalid wheel chair having means for ascending and descending steps or similar obstructions; subclasses 7.1+ for a device convertible from a vehicle to a nonvehicle; subclasses 638+ for a seat having a running gear extensible relative to the seat to raise or lower the seat or to extend the wheels from an inoperative to an operative position; subclasses 200+ for a vehicle having occupant propelling means; subclasses 87.051+ for a vehicle propelled by the foot contact of an occupant with the floor (baby walker); and subclasses 47.38+ for a vehicle such as a baby carriage propelled by a handle.
- 296, Land Vehicles: Bodies and Tops, subclasses 63+ for a seat combined with a land vehicle body, particularly subclass 64 for the arrangement of a plurality of seats within a vehicle.
- 446, Amusement Devices: Toys, subclass 482 for toy chairs or seats.
- 606, Surgery, subclass 242 for a seat having an orthopedic device designed to adjust unfractured bones into their normal position.

## SUBCLASSES

- 1 SEATING DEVICE REORIENTS AS UNIT:**  
This subclass is indented under the class definition. Device comprising seat which may be rotated as a unit, a portion of a revolution about a horizontal axis, to present a previously inaccessible supporting surface for use at the same time the initial occupant supporting surface is rotated to a nonuse or different use position.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
92+, for a device having a fixed standard or leg structure and wherein a bottom and back are rotatable relative to such structure to interchange their function.
- 2 To expose nonoccupant support:**  
This subclass is indented under subclass 1. Device wherein the previously inaccessible supporting surface is not classifiable, per se, in this class and is not used to support a person.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
123 for a bottom and back movable as a unit to convert to a table.  
129 for a seat convertible to a nonseating device.
- 3 Inverting:**  
This subclass is indented under subclass 1. Device wherein the seat is turned end for end to expose the previously inaccessible supporting surface on the reverse side thereof.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
283.1+, for a support surface which is inverted to expose the reverse side thereof.
- SEE OR SEARCH CLASS:  
182, Fire Escape, Ladder, or Scaffold, subclass 33.2 for a seat in which the bottom and legs invert to unveil a ladder.

**4 PORTABLE BOTTOM WITH OCCUPANT ATTACHER:**

This subclass is indented under the class definition. Device wherein a bottom is provided with means for attaching said bottom to the body of the occupant, so as to permit said occupant to walk about, carrying the bottom with him.

SEE OR SEARCH THIS CLASS, SUBCLASS:

393 for an occupant attached headrest.

SEE OR SEARCH CLASS:

220, Receptacles, subclass 17.1 for a leg or lap attached metallic receptacle.  
 224, Package and Article Carriers, subclasses 101+ for a body and belt attached article carrier.  
 441, Buoys, Rafts, and Aquatic Devices, subclasses 130+ for a body supporting buoyant device with a seat.

**5 WITH OCCUPANT-PROPELLED WALKER OR SKATER FRAME:**

This subclass is indented under the class definition. Device comprising a self-supporting frame, provided with a buttock support, for assisting a person in learning to walk; or for supporting skaters or ambulant invalids in a standing position.

(1) Note. In general, walker and skater frames are elsewhere, depending on the mode of use. Perfecting features may result in classification elsewhere, as indicated by the search notes below. The addition of a seat compels classification in this class (297). However, see the Search Class notes below for the line between Class 280 and Class 297.

SEE OR SEARCH CLASS:

135, Tent, Canopy, Umbrella, or Cane, subclass 67 for walkers, per se, (i.e., without seats, wheels, or path control), operable by lifting from, moving across, and replacing on the ground, floor, or the like.  
 280, Land Vehicles, subclass 7.1 for wheeled walkers propelled by seat occupants and convertible to a different device, such as a stroller, sub-

classes 43+ for walkers having retractable wheels; subclasses 87.051 for wheeled walkers propelled and steered by seated occupants; and subclasses 809+ for skaters' appliances and attachments. Class 280 is superior to Class 297, and a vehicle feature in these devices (see the note to Class 280 in the class definition of Class 297) will result in classification there, except that the further inclusion of means exterior of the device restricting its travel to a predetermined path makes it an amusement device or an exercise device for placement elsewhere.

472, Amusement Devices, subclasses 1+ for a skater or walker supporting roundabout restricted to a circuitous path, particularly subclasses 14+ for an occupant propelled roundabout and subclass 15 for a trainer for foot travel.

482, Exercise Devices, subclasses 51+ for an exercise device which may support a skater or walker, particularly subclasses 66+ for an occupant-propelled support frame having a movement facilitating feature, e.g., a runner, wheel, etc., for foot travel and subclass 69 for an exercise device for suspending the occupant from above, e.g., a body harness, etc., for foot travel.

**6 Bottom movable to nonuse position:**

This subclass is indented under subclass 5. Device wherein a bottom is movable to an inoperative position either by folding against the walker frame or by detaching from the walker frame, so as to permit the user to enter or leave the frame or to move to a standing position to propel the frame.

SEE OR SEARCH THIS CLASS, SUBCLASS:

331+, for a bottom tiltable to an inoperative position.  
 440.1+, for interfitting components detachably connected by a manipulated joint.

- 7 WITH REMOVABLE OR REORIENTABLE CRIB SIDE:**  
This subclass is indented under the class definition. Device wherein the seat is provided with a guard or barrier to enclose the device to facilitate its use as a crib, and wherein the barrier is so mounted that it may be detached, moved to a nonuse position, or moved to a different use position.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
129 for a seat convertible to a nonoccupant supporting device.  
464+, particularly subclasses 487+ for a device to confine a seated occupant within or upon a seat. The device there classified permits an occupant to remain seated; the device in these subclasses (7+) block that portion of the bottom over which the legs extend, or raises the leg rest to a horizontal position or otherwise prohibits use of the device as a seat while the crib side is in position.
- SEE OR SEARCH CLASS:  
5, Beds, subclasses 93.1+ for a crib, per se, particularly subclass 100 for a movable guard.
- 8 Fabric crib side:**  
This subclass is indented under subclass 7. Device in which the crib side is made of a flaccid cloth.
- 9 Side added to front edge of bottom:**  
This subclass is indented under subclass 7. Device wherein a side element is movable to that edge of the bottom opposite the edge from which the back extends and said side element extends from side to side of the bottom along that edge.
- 10 Side storable within or upon seating device:**  
This subclass is indented under subclass 7. Device wherein the crib side, in its nonuse position, is confined inside or foldable against a component of the device.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
105+, for a supplementary body support storable within or upon a bottom.  
112+, for a supplementary body support storable within or upon a back.
- 11 Within or upon armrest:**  
This subclass is indented under subclass 10. Device in which the crib side is confined inside or foldable upon the armrest.
- 12 Side withdrawn laterally of device:**  
This subclass is indented under subclass 10. Device in which the crib side is stored within or upon the side of the seat and is unfolded or taken sidewardly out of the seat.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
107 for a supplemental body support extensible laterally of the device.  
115+, for an armrest extensible sideways to plural use positions.
- 13 FOLDING BOTTOM PERMITS SEAT ROTATION ABOUT VERTICAL AXIS:**  
This subclass is indented under the class definition. Device comprising a seat mounted for movement about a vertical axis including a bottom movable from a substantially horizontal use position to a substantially vertical nonuse position, said seat being held against rotation when the bottom is in the use position, but released for rotation by movement of the bottom to a nonuse position.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
240 for relatively rotatable plural related seats.  
324 for a seat in which the back is moved by folding of the bottom.  
331+, for a bottom movable to an inoperative position, and see the search notes thereto for the field of search for folding bottoms.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 418 for a rotatable support surface on a standard having means to inhibit rotation, and subclass 425 for a stand having a rotatable sup-

port surface provided with means to inhibit rotation.

**14 BOTTOM AND BACK CONNECTED TO AND FOLDABLE IN WALL OR PARTITION:**

This subclass is indented under the class definition. Device comprising a bottom and back attached to a wall or partition having a recess or chamber which forms a housing therein, said bottom and back moving from an occupant supporting position outside said housing to a collapsed position within the confines of the housing.

- (1) Note. A wall or partition as set forth above is limited to a building wall, e.g., room walls, floors, etc., as distinguished from a panel incorporated in a bottom or back of a seat.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 147 for a seat combined with a table and extensible from a wall or receptacle.  
 234+, for a seat foldable on or in a component of another seat.  
 324 for an interconnected bottom and back wherein the back is moved by folding of the bottom.

SEE OR SEARCH CLASS:

- 108, Horizontally Supported Planar Surfaces, subclasses 33+ for a horizontally supported planar surface combined with a housing and subclasses 42+ for a horizontally supported planar surface combined with other structure.  
 248, Supports, subclass 240.1 for a shelf stored in a wall housing.  
 312, Supports: Cabinet Structure, subclasses 235.1+ for a seat combined with a cabinet wherein the cabinet housing provides means for storing articles in addition to the seat, and subclasses 242+ for a cabinet mounted on a wall or panel recess.

**15 In floor:**

This subclass is indented under subclass 14. Device wherein the housing is located in the floor.

SEE OR SEARCH CLASS:

- 296, Land Vehicles: Bodies and Tops, subclass 66 for a vehicle seat which folds to form a portion of the vehicle body (e.g., vehicle floor).

**16.1 COLLAPSIBLE CHAIR; I.E., RELATIVELY FOLDING BOTTOM, BACK, AND LEGS:**

This subclass is indented under the class definition. Device comprising a bottom, back, and leg wherein two of these components fold relative to the third component and to each other, and wherein one of the said two folding components is a leg.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 147 for a combined table and seat foldable into a wall or receptacle.  
 331+, for a bottom tiltable into an operative position, and see the search notes thereunder for the field of search for folding bottoms.  
 378.1+, for a seat provided with a back which is articulated to other components of the seat to swing forwardly about such articulation to overlie the bottom; i.e., to a nonuse position.

**16.2 Collapsed to a compact bundle having all rigid elongated elements extending in a single longitudinal direction:**

This subclass is indented under subclass 16.1. Device comprising a plurality of stiff elongated members each having a longitudinal axis, wherein all of the elongated members when in collapsed form lie adjacent to one another and extend in a single longitudinal direction parallel to their longitudinal axes.

**17 Collapsed components form self-contained carrying case:**

This subclass is indented under subclass 16. Device provided with a portable receptacle as an integral component thereof within which the folding components may be collapsed, or wherein portions of said device cooperate to form a substantially totally enclosed portable receptacle for the remainder of the folding elements when in collapsed condition.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 14+, for a bottom and back connected to and foldable in a wall or partition.  
 139 for a seat combined with a table wherein the table forms a carrying case for said seat.
- 18 Nonpivoted crossed legs:**  
 This subclass is indented under subclass 16.1. Device comprising a pair of legs which overlap each other intermediate the ends thereof with one of said legs extending from a lower front floor or base engaging position to an upper rear position, and the other of said legs extending from an upper front position to a lower rear floor or base engaging position without any direct connection intermediate the ends thereof.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 258+, and see the notes thereto for a rocker mounted seat.  
 300.1+, for a bottom and back which are tiltable about a fixed pivot and wherein the tilting movement is resisted by a spring.  
 325+, for a bottom and back tiltable as a unit.
- 19 With means to hold chair in plural operative configurations:**  
 This subclass is indented under subclass 16.1. Device which may be oriented to a plurality of occupant supporting positions and comprising detent means which must be manipulated to achieve each particular orientation.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 68+, for a leg or footrest interconnected to move relative to a bottom and concurrent with a back.  
 316+, for a bottom and back combination in which the back moves relative to a tilting bottom as the bottom tilts.  
 327+, for a bottom and back combination tiltable as a unit about a stationary horizontal pivot to plural use positions.  
 354.12+, for a back tiltable to plural distinct occupant supporting positions.
- 20 By adjustable leg-to-rocker connection:**  
 This subclass is indented under subclass 19. Device provided with a rocker and wherein a leg is selectively engageable at various locations along said rocker.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 32+, for a chair with folding rocker.  
 131+, for a chair with rocker retractable to inoperative position.  
 133 for a chair with detachable rocker.  
 258+, for a noncollapsible rocker mounted chair.
- 21 Set means operative between back post and rear leg:**  
 This subclass is indented under subclass 19. Device having a back post or frame provided with a member, integral therewith or carried thereby, which is settable at plural locations along a rear leg.
- 22 Back-to-leg prop:**  
 This subclass is indented under subclass 21. Device wherein the settable member is a spraglike element, one end of which is pivotally connected to the back post and the other end of which is selectively engageable at various locations along a rear leg.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 377 for a tiltable back capable of assuming a plurality of occupant supporting positions by means of a prop behind said back.
- 23 Single element forms back post and front leg:**  
 This subclass is indented under subclass 22. Device wherein the back post is an integral extension of the front leg.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 55+, for relatively collapsible bottom, rear legs, and integral back and front leg.

- 24 Set means interconnects front leg and rear leg:**  
This subclass is indented under subclass 19. Device wherein said manipulatable means adjustably join a front leg to a rear leg.
- 25 Brace or tie interconnection:**  
This subclass is indented under subclass 24. Device wherein said manipulatable means comprises a brace or tie element.
- 26 Bottom forms or supported by tie:**  
This subclass is indented under subclass 25. Device wherein said brace or tie element either comprises or provides direct support for a bottom.
- 27 Set means include armrest:**  
This subclass is indented under subclass 19. Device wherein a part of said manipulatable means is carried by or carries an armrest.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
359+, for a noncollapsible seat provided with a back capable of being arranged in a plurality of occupant supporting positions and wherein a back pivoted armrest carries or has connected thereto means for retaining the back in adjusted position.
- 28 Rigid with armrest:**  
This subclass is indented under subclass 27. Device wherein said part is either integral with or fixedly attached to said armrest portion.
- 29 Journalled connections of parts permit occupant to change configuration:**  
This subclass is indented under subclass 16.1. Device wherein the components are pivoted to each other so as to be capable of assuming a plurality of occupant supporting arrangements.
- (1) Note. The various arrangements are usually obtained by the occupant merely shifting his body as contrasted with subclasses 19+ wherein the occupant must manipulate detent means to achieve rearrangement of the chair.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
19+, for a chair rearrangeable to plural occupant supporting positions and provided with means which must be manipulated to achieve such rearrangement.
- 30 With concurrently folding footrest:**  
This subclass is indented under subclass 16.1. Device provided with a footrest and wherein as the other components collapse the footrest collapses simultaneously therewith.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
68+, for a footrest interconnected to move relative to a bottom and concurrently with a bottom or back.  
423.19+, for footrest connected to seat for relative movement.
- 31 Front leg folds relative to integral bottom-rear leg; e.g., beach type:**  
This subclass is indented under subclass 16.1. Device wherein the bottom and the rear leg are rigid and a front leg is foldable relative thereto.
- 32 With folding rocker:**  
This subclass is indented under subclass 16.1. Device in which the chair includes rocker members as a component thereof and foldable therewith.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
258+, for a rocker-mounted chair.
- 33 Rocker disengages from leg to permit folding:**  
This subclass is indented under subclass 32. Device in which the rocker is disengageable from one of the legs to permit folding.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
131+, for a rocker retractable to inoperative position.  
133 for a detachable rocker.

- 34 Rearwardly folding back:**  
This subclass is indented under subclass 16.1. Device wherein the back swings rearwardly and downwardly.
- 35 With folding armrest:**  
This subclass is indented under subclass 16.1. Device provided with an armrest articulated to one or more of the components and collapsible relative thereto.
- 36 Laterally swinging:**  
This subclass is indented under subclass 35. Device wherein the armrest swings sideways about a vertical axis or swings in a side-to-side direction about a horizontal axis.
- 37 To overlie or underlie bottom:**  
This subclass is indented under subclass 36. Device wherein the armrest swings in a side direction about a horizontal axis to rest on top of or beneath the bottom.
- 38 Slidably connected to chair component:**  
This subclass is indented under subclass 35. Device wherein the armrest is slidably connected to one of the components.
- 39 Back, arm, bottom, and front leg form collapsible parallelogram:**  
This subclass is indented under subclass 35. Device wherein the armrest in cooperation with the bottom, back, and front leg form a collapsible parallelogram.
- 40 Folds forwardly and downwardly:**  
This subclass is indented under subclass 35. Device wherein the armrest collapses forwardly and downwardly to a position adjacent the legs.
- 41 Pivoted to integral back and leg:**  
This subclass is indented under subclass 35. Device wherein the armrest is pivotally connected to a back having a leg as an integral extension thereof.
- 42 Laterally collapsible:**  
This subclass is indented under subclass 16.1. Device wherein the chair collapses toward one side or from each side inwardly toward the center.
- 43 Against fixed standard:**  
This subclass is indented under subclass 42. Device wherein the bottom, back, and legs fold sideways to a position adjacent an upright immovable element or surface.
- 44 Folding back or bottom sections:**  
This subclass is indented under subclass 42. Device wherein the back or bottom is divided into parts which fold with respect to each other as the chair is collapsed laterally.
- 45 Fabric bottom and back:**  
This subclass is indented under subclass 42. Device wherein the bottom and back supporting surfaces are made of a flaccid clothlike material.
- 46 Back and legs collapse concurrently:**  
This subclass is indented under subclass 16.1. Device wherein the back and legs are movably joined to each other or to other chair components so that the back and the several legs each fold relative to the other and at the same time.
- (1) Note. The chairs in this and the indented subclasses may include an integral back frame and leg pair as classified below in
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
314+, for a laterally folding bottom.  
350+, for a laterally folding back.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 436 for a laterally folding, plural leg stand.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
315 for a bottom and back foldable laterally against a fixed standard.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
312 for a bottom comprising resiliently mounted, independently movable sections.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
44 for a collapsible chair having a fabric bottom or back foldable in sections.



subclasses 55+ and 59+, but are distinguished from that art in that the chairs in the former subclasses have a back which moves relative to the back frame in its collapsing movement.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

55+, for an integral back and front legs interconnected with the back legs to fold concurrently, and see (1) Note above.

59+, for an integral back and rear legs interconnected with the front legs to fold concurrently, and see (1) Note above.

**47 Parallel leg pairs:**

This subclass is indented under subclass 46. Device wherein the legs, in chair supporting position, extend generally in the same direction.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

54 for a chair having independently collapsible back and parallel legs.

**48 Back articulated to both leg pairs:**

This subclass is indented under subclass 46. Device wherein the back is joined to both the front legs and the rear legs.

**49 Above and below bottom:**

This subclass is indented under subclass 48. Device wherein the back is articulated to one pair of legs above the bottom and articulated to the other pair of legs below the bottom.

**50 Back-to-leg articulation above back-to-bottom articulation:**

This subclass is indented under subclass 46. Device wherein the back is articulated to a leg above the articulation of the back to the bottom.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

58 for a collapsible chair having a relatively collapsible bottom, rear legs, and integral back and front legs wherein the rear legs are pivoted to the back above the back-to-bottom connection.

**51 Back and legs collapse independently:**

This subclass is indented under subclass 16.1. Device wherein the back is mounted to move independently of the movement of the legs.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

46+, for a collapsible chair in which the back and a leg pair are interconnected to fold concurrently.

**52 Back pivoted to and abutting a leg:**

This subclass is indented under subclass 51. Device wherein the back is pivotally connected to a leg and held in the erected use position by engaging a stop means on the leg.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

47 for a collapsible chair in which the back and legs fold simultaneously, and wherein the back is pivoted to and abuts a leg.

**53 To overlie and underlie bottom:**

This subclass is indented under subclass 51. Device wherein the back collapses to a position superjacent the bottom and legs collapse to a position subjacent the bottom.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

37 for a similar device which includes laterally folding armrests.

46+, for a chair in which the back and legs fold concurrently to overlie and overlie the bottom.

52 for similar devices wherein the back is pivoted to and abuts a stop on the leg in use position.

378.1+, for a back foldable forwardly over the bottom.

**54 Noncrossed legs:**

This subclass is indented under subclass 53. Device wherein the legs in chair supporting position are generally parallel with respect to each other.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
47 for a chair having noncrossed legs in which the back and legs collapse simultaneously.
- 55 Relatively collapsible bottom, rear legs, and integral back and front legs:**  
This subclass is indented under subclass 16.1. Device wherein the relatively folding parts of the chair include a bottom, rear legs, and a unitary back and front legs.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
41 for a similar device having a folding armrest pivoted to an integral back and leg.  
46+, for a collapsible chair having an integral back frame and leg and a relatively movable back, and see (1) Note thereto for the line.  
59+, for a similar device wherein the back is integral with the back legs.
- 56 Crossed legs:**  
This subclass is indented under subclass 55. Device wherein the front legs and the rear legs decussate.
- 57 Bottom detachably or slidably connected to back:**  
This subclass is indented under subclass 56. Device wherein the bottom is disengageable from the back or is connected thereto by a means which permits the bottom to move longitudinally of the back.
- 58 Rear leg pivoted to back above bottom connection:**  
This subclass is indented under subclass 55. Device wherein the rear leg is attached to the integral back and front legs at a point above the juncture of the bottom and the back, for turning movement about said point.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
50 for a collapsible chair in which the back and legs collapse simultaneously and wherein the back frame is pivoted to the leg above the back-to-bottom connection.
- 59 Relatively collapsible bottom, front legs, and integral back and rear legs:**  
This subclass is indented under subclass 16.1. Device wherein the relatively folding parts of the chair include a bottom, front legs, and a unitary back and rear legs.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
41 for a similar device having a folding armrest pivoted to an integral back and leg.  
46+, for a collapsible chair having an integral back frame and leg and a relatively movable back, and see (1) Note thereto for the line.  
55+, for a similar device wherein the back is integral with the front legs.
- 60 Upwardly tilting bottom elevates pivoted front legs:**  
This subclass is indented under subclass 59. Device wherein the front legs are pivoted to the bottom adjacent the front edge thereof, and wherein the bottom is connected to the integral back and rear legs to swing about such latter connection so that the front of the bottom is raised, carrying the pivotally connected front legs upwardly with it.
- 61 HEADREST INTERCONNECTED WITH BACK FOR RELATIVE CONCURRENT MOVEMENT:**  
This subclass is indented under the class definition. Device comprising a movable headrest and a movable back wherein said headrest is united to the back or back supporting structure so that movement of either the back or the headrest causes the other at the same time to change its relative position.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
68+, for a leg or footrest interconnected with a back for relative concurrent movement.  
112+, for a back having a stored supplemental body support, such as a headrest.  
396 for a headrest formed as an extension of the upper back.

**62 COMPONENT REORIENTABLE TO STACKED BUNKS:**

This subclass is indented under the class definition. Device wherein a body supporting portion of a seat is repositionable to effect, alone or in combination with other components of the same or different seats, superposed beds.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 112+, for a seat having a back which is repositionable so that the rear surface thereof becomes an upper bunk.  
125+, for a seat back wherein the rear portion is movable to become a table top.

SEE OR SEARCH CLASS:

- 5, Beds, subclass 8 for stacked bunks.  
105, Railway Rolling Stock, subclass 322 for a railroad car including a seat back movable to become an upper berth.

**63 COMPONENT OF ADJACENT SEATS REORIENTABLE TO SINGLE BED:**

This subclass is indented under the class definition. Device comprising a plurality of seats, and wherein one or more of the body supporting portions of one seat are repositionable with respect to the other components of that seat to form, in conjunction with a portion of the other seat, a support for a prone occupant.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 62 for seats having components reorientable to form superposed beds.  
105+, for a seat convertible to a bed by exposing a supplemental body support by displacing the bottom.  
112+, for a seat convertible to a bed by moving to use position a supplemental body support stored in the back.  
232+, for plural related seats, especially subclass 233 for plural seats combinable to form a single seat.

**64 Back pivots rearwardly between and coplanar with bottoms:**

This subclass is indented under subclass 63. Device wherein a back turns backwardly about a horizontal axis to a position behind its related bottom and forwardly of a second seat with its

upper surface in a plane coextensive with the bottoms of both seats.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 243 for plural seats arranged one behind the other.  
354.12+, for a back movable rearwardly about an axis to a position behind its related bottom with its upper surface in a plane coextensive with the upper surface of the bottom.

**65 Bottom moves horizontally responsive to reclining of back:**

This subclass is indented under subclass 64. Device wherein the back is connected to a bottom, and wherein the turning of the back about its pivot axis causes its bottom to move horizontally.

**66 Rear seat component supports reclined back:**

This subclass is indented under subclass 64. Device wherein the second seat is provided with a means to rest or hold the back in its horizontal position.

**67 Facing seats:**

This subclass is indented under subclass 63. Device wherein the two seats to be utilized are positioned front to front, opposite each other, so that seated occupants confront each other.

**68 LEGREST OR FOOTREST INTERCONNECTED TO MOVE RELATIVE TO BOTTOM AND CONCURRENT WITH BOTTOM OR BACK:**

This subclass is indented under the class definition. Device wherein a leg rest or a footrest shifts with respect to a bottom simultaneously with a movement of either the bottom or a back.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 285+, for a resiliently supported back.  
311+, for a movable bottom.  
353+, for a movable back.  
423.1+, for a rest for knee, leg, or foot.

SEE OR SEARCH CLASS:

- 5, Beds, subclasses 613+ for a sectional invalid bed, particularly subclasses

- 617+ for adjustable head and foot sections.
- 108, Horizontally Supported Planar Surfaces, subclasses 1+ for a horizontal planar supporting surface with a tiltable supporting surface.
- 69 With means to permit independent adjustment of legrest or footrest:**  
This subclass is indented under subclass 68. Device provided with means allowing movement of the leg rest or footrest from a use position to a nonuse or to a different use position independently of the other interconnected parts.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
423.19+, for a foot rest or leg rest which is connected to a seat for relative movement.
- 70 Footrest adjustable independently of legrest movement:**  
This subclass is indented under subclass 69. Device wherein a footrest associated with a leg rest may be moved from one supporting position to another, regardless of any adjusting of the leg rest.
- 71 Common actuator controls vertical adjustment and relative movement of parts:**  
This subclass is indented under subclass 68. Device wherein means are provided to effect independently both vertical movement of the bottom and interrelated relative movement of the leg or footrest with respect to the bottom, and a single means is provided to effect or permit both motions.
- (1) Note. Included herein are barber and dental chairs which permit an attendant to effect the various adjustments by a single handle which in selected positions releases or actuates the lock on the interrelated rests, actuates a pump to raise the chair, or actuates a release valve to lower the chair.
- 72 Back reversible as to bottom:**  
This subclass is indented under subclass 68. Device wherein a back is mounted to move from a rear edge of the bottom to the front edge, so as to alternately accommodate an occupant facing opposite directions.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
94+, for a device of the type described above which does not have a footrest associated therewith.
- 73 Back movement disposes footrest for use from rear:**  
This subclass is indented under subclass 72. Device wherein reversing of the back shifts the footrest therewith to a location to the rear of the seating device for use of a person therebehind.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
423.15 for a footrest located to the rear of a seating device.
- 74 Common rocker arm carries opposed footrest:**  
This subclass is indented under subclass 73. Device provided with two footrests mounted on opposite ends of a swinging arm, said arm being interconnected with the back so that reversing of the back alternately swings the footrests from operative to inoperative positions.
- 75 Relatively movable rest sections move simultaneously:**  
This subclass is indented under subclass 68. Device wherein plural rest sections are provided which move relatively and concurrently.
- 76 Footrest extends angularly of depending legrest:**  
This subclass is indented under subclass 75. Device comprising a leg rest extending downwardly from a bottom, and a footrest extending outwardly from said leg rest.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
423.1+, for a foot rest and leg rest where there is no movement of the bottom or back associated therewith.
- 77 Face-to-face seats suspended to oscillate:**  
This subclass is indented under subclass 68. Device wherein two opposing seats depend from a support and are mounted thereon to

swing back and forth, and wherein the interconnected leg rest or footrest moves relative to the bottom and concurrently with the bottom or back as the seats swing to-and-fro.

- (1) Note. These devices are commonly known as "lawn swings" and usually include a single footrest common to both of the facing seats and located between the seats.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

245+, for plural seats which face each other and oscillate to-and-fro.

**78 Interconnection includes back-controlled movable armrest:**

This subclass is indented under subclass 68. Device provided with means interconnecting the leg rest and the back, said means including an armrest articulated to the back for movement therewith.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

323 for a movable armrest interconnected with a relatively and concurrently tilting bottom and back.

359+, for an armrest pivoted to a tilting back, which armrest carries a latch or holder.

**79 Armrest linkage connected to legrest below legrest-to-bottom pivot:**

This subclass is indented under subclass 78. Device wherein the armrest is connected to one or more levers which are connected to the leg rest at a point below the hinge of the leg rest and bottom.

**80 Armrest directly pivoted to upper extension of legrest:**

This subclass is indented under subclass 78. Device wherein the leg rest is provided with an integral portion or a member rigid therewith which projects above its connection to the chair frame and the armrest is immediately hinged to that projection.

**81 With concurrently movable bottom:**

This subclass is indented under subclass 80. Device wherein movement of the armrest or back causes the bottom to move at the same time.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

83+, for a bottom movable relative to and concurrently with a back and leg rest.

316+, for a tilting bottom interconnected with a back for relative concurrent movement.

340+, for a movable bottom interconnected with a back for relative concurrent movement.

**82 Bottom pivoted to supporting frame at rear:**

This subclass is indented under subclass 81. Device wherein the bottom is mounted to move relative to a frame by a hinge connection to the frame at the back end of the bottom, said frame providing the support for the seat components and spacing said components from a ground surface.

**83 With means to move bottom relative to and concurrently with back:**

This subclass is indented under subclass 68. Device wherein the bottom is united to the back so that movement of the back causes the bottom to move at the same time and to change its position with respect to the back.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

316+, for a tilting bottom interconnected with a back to move relative to and concurrently with the back.

340+, for a movable bottom interconnected with a back to move relative to and concurrently with the back.

**84 Rest advances forwardly of bottom:**

This subclass is indented under subclass 83. Device wherein the rest moves to the front of, and at a progressively greater distance from the bottom as it moves relative to the bottom and back.

**85 Advancing linkage includes lazy tong pivoted to rest:**

This subclass is indented under subclass 84. Device wherein a linkage system advances the leg rest, which system includes a pair of links pivoted together intermediate their lengths, in the manner of lazy-tongs, and wherein at least one of said links is journaled directly to said rest.

**86 Common actuator articulates bottom and rest to back:**

This subclass is indented under subclass 83. Device wherein the means which interconnects the leg rest to the back for relative concurrent movement also serves to interconnect the bottom to the back for relative concurrent movement.

SEE OR SEARCH THIS CLASS, SUBCLASS:

84+, for a common, back-connected actuator for the bottom and rest which moves the rest forwardly of the bottom.

**87 Bottom actuator for rest:**

This subclass is indented under subclass 83. Device wherein the bottom forms the interconnection between the back and rest, and movement of the bottom causes the rest to move relative to the bottom.

SEE OR SEARCH THIS CLASS, SUBCLASS:

84+, for a bottom-actuated leg rest or footrest which advances forwardly of the bottom in its relative movement.

**88 Bottom and back movable as unit relative to legrest:**

This subclass is indented under subclass 68. Device including an interconnected bottom and back disposed in fixed relationship to one another for simultaneous movement.

SEE OR SEARCH THIS CLASS, SUBCLASS:

271 for a rocking chair having a bottom and back movable as a unit and provided with a leg rest wherein the leg rest oscillates on a rocking support in

conjunction with the rocking motion of the chair.

325+, for a bottom and back tiltable as a unit, and see the search notes thereto for the loci of other movable bottom and back units.

**89 Advancing legrest pivoted to lazy tong linkage:**

This subclass is indented under subclass 88. Device wherein a linkage system provides for moving the leg rest in a forward direction away from the bottom, said system including a pair of levers pivoted together intermediate their lengths and with at least one of said levers pivoted directly to the leg rest.

SEE OR SEARCH THIS CLASS, SUBCLASS:

85 for a leg rest which advances on a lazy-tong linkage upon movement of a bottom relative to and concurrently with a back.

**90 Interconnector articulated to back extension below back-to-bottom pivot:**

This subclass is indented under subclass 68. Device wherein the back is hinged to the bottom or bottom frame and projects below the hinge and the leg rest is united to that projection.

**91 By plural links:**

This subclass is indented under subclass 90. Device wherein the back projection is connected to the leg rest by two or more links.

**92 CHAIR WITH INTERCHANGEABLE AND REVERSIBLE BOTTOM AND BACK:**

This subclass is indented under the class definition. Device comprising a chair in which the back and bottom elements are each reoriented to become the bottom and back, respectively, facing in the opposite direction.

SEE OR SEARCH THIS CLASS, SUBCLASS:

1+, for a reorientable seating device in which the entire device rotates as a unit, a portion of a revolution.

94+, for a back reversible as to a bottom.

123 for a bottom and back which moves as a unit to convert to a table.

- 325+, for a bottom and back which is tiltable as a unit to various angular positions.
- 93 One-piece bottom and back:**  
This subclass is indented under subclass 92. Device wherein the bottom and back are unitized or integrated as a single element of the device.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
452.12+, for a one-piece bottom and back and see the search notes thereto for the loci of other one-piece bottoms and backs.
- 94 BACK REVERSIBLE AS TO BOTTOM; E.G., WALKOVER TYPE:**  
This subclass is indented under the class definition. Device wherein a back is mounted to move from a rear edge of a bottom to the front edge so as to alternately accommodate an occupant facing opposite directions.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
72+, for a device of type described above combined with a leg or a footrest interconnected to move relative to the bottom and concurrently with the bottom or back.  
92+, for a seat having a back which is interchangeable and reversible with the bottom.
- 95 Back movement tilts bottom oppositely:**  
This subclass is indented under subclass 94. Device provided with means to incline the bottom from a first inclination to an opposite inclination in response to movement of the back from one edge of the seat to the opposite edge.
- 96 Gear actuator:**  
This subclass is indented under subclass 95. Device wherein the bottom inclining means includes a motion transmitting mechanism comprising two or more intermeshed, relatively moving members.
- 97 Back-actuated cam in bottom-carried slot:**  
This subclass is indented under subclass 95. Device wherein the means to incline the bottom includes an operating cam connected to the back and engageable in a mating elongated
- aperture in the shifting bottom, and wherein the movement of the back moves the cam to shift the bottom.
- 98 Cam carried by back support:**  
This subclass is indented under subclass 97. Device wherein the operating cam is mounted on that structure which mounts and bears the weight of the back.
- 99 Cam actuator slidably connected to back:**  
This subclass is indented under subclass 97. Device wherein the operating cam is mounted on a member which is connected to the back by a lost motion joint.
- 100 Bisector link rigidly connected to back:**  
This subclass is indented under subclass 94. Device wherein the back is mounted on a supporting link extending forwardly at a right angle thereto and wherein the link is both immovable with respect to the back and located substantially midway of the lower and upper edges of the back.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
62 for a back rigidly mounted on a bisector link and movable to a horizontal position to form an upper bunk over the bottom formed lower bunk.  
125 for a back rigidly mounted on a bisector link wherein the rear of the back is movable to a horizontal position to become a table top.
- 101 Multiple links, pivotally connected to back:**  
This subclass is indented under subclass 94. Device wherein the reversing means includes a plurality of links pivoted to the back.
- 102 Crossed link back inverter:**  
This subclass is indented under subclass 101. Device wherein the plural links cross intermediate their ends and are each pivoted to the back on opposite sides of the back center, whereby the back turns end for end in its movement from one edge of the seat to the opposite edge of the seat.
- 103 Parallelogram linkage:**  
This subclass is indented under subclass 101. Device wherein the reversing links extend in the same direction, and wherein the distance

between the pivot points at which they are connected to the back and the supporting structure is the same.

**104 Link pivoted to back and armrest:**

This subclass is indented under subclass 94. Device wherein the reversing means includes a link pivoted at one end to the back and at its other end to an armrest.

**105 DISPLACEABLE BOTTOM EXPOSES SUPPLEMENTAL BODY SUPPORT:**

This subclass is indented under the class definition. Device in which an additional, cumulative body-supporting panel or portion is carried in a nonuse location on or within the bottom of a seating device, and wherein such panel may be moved to a use position so as to be usable in conjunction with the bottom by the occupant of the bottom, and wherein a disarrangement or movement of the bottom is necessary to extend the panel from its nonuse to use position.

- (1) Note. Included in this and indented subclasses are superimposed seat cushions wherein one of the seat cushions is rearranged and supported forwardly of the other so as to be used in conjunction with the other.
- (2) Note. May of these panels are moved concurrently with an unfolding of the bottom so as to support the occupant in a different manner, i.e., prone rather than sitting, and thus are often labeled "convertible", as to a bed. Seating devices having adjustable parts have been classified according to the type of adjustment rather than on the basis of convertibility.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 188.1+, for a seat having a receptacle accessible by displacement of the seat.
- 236+, for a moving substitute or additional seat, as distinguished from a supplemental body support, stored within or beneath a bottom.
- 423.2+, for leg rests storable beneath a bottom and movable out to a use position where the movement of the leg rest does not require a disarrangement of the bottom.

SEE OR SEARCH CLASS:

- 5, Beds, subclasses 12.1+ for similar devices constructed to support plural persons, particularly subclass 14 for a bed stowed under a sofa bed seat, subclass 25 for unfolding sofa bed bottom sections, subclass 27 where a sofa seat is rear pivoted to be lifted to permit unfolding of a forwardly pivoted section concealed beneath it.

**106 Lazy tong-mounted supported:**

This subclass is indented under subclass 105. Device wherein the additional support is supported on a lazy-tong structure.

SEE OR SEARCH CLASS:

- 74, Machine Element or Mechanism, subclass 521 for the definition of a lazy-tong.

**107 Laterally extensible:**

This subclass is indented under subclass 105. Device wherein the body support is withdrawn or unfolded from the side of the device.

**108 Bottom inverts to form extension of subjacent support:**

This subclass is indented under subclass 105. Device wherein the bottom is turned end for end to expose a body supporting member on the reverse side thereof, which member is a continuation of a second body supporting member, the latter concealed in nonuse position by the superposed bottom.

SEE OR SEARCH CLASS:

- 5, Beds, subclasses 28+ for a sofa bed having a section substantially in the position of a seat and pivotally connected forwardly so that it may be inverted to form part of a bed bottom.

**109 Plural sections exposed by inverting bottom:**

This subclass is indented under subclass 108. Device wherein, in addition to the second body supporting member, a third body supporting member is carried from a nonuse location to a position of use by the inverting bottom.

- (1) Note. The third body supporting member may be the rear portion of a back which is not used as a body support sur-



face in the chair position but which is rearranged by the inverting bottom to be used as a body support surface in a bed position.

**110 Armrest or back inverts with bottom to support extension:**

This subclass is indented under subclass 108. Device wherein an armrest or back is fixed to and movable with the bottom in its end for end movement, and wherein the armrest or an extension thereof or the back rests upon the floor in its inverted position to support the bottom and space it from the floor.

**111 Supplemental body support positioned forwardly of bottom:**

This subclass is indented under subclass 105. Device wherein the supplemental body support is arranged forwardly of the front end of the bottom in its position of use.

**112 BACK CARRIES STORED SUPPLEMENTAL BODY SUPPORT:**

This subclass is indented under the class definition. Device wherein an additional, cumulative body supporting panel is carried in a nonbody supporting location on or within a back and is movable to be used in conjunction with the primary or initial supporting surface of the back or a portion thereof.

- (1) Note. Included here are back-stored panels by movement of which occupants are supported in a different manner, e.g., prone rather than sitting, and are often labeled "convertible".

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 62 for a seat having components reorientable to provide superposed beds.  
 105+, for a supplemental body support extensible from a bottom.  
 125+, for a back pivoted over a bottom so that the rear of the back becomes a table.  
 188.04+, for a seat with a receptacle on or in the back thereof.  
 238 for a substitute body support withdrawable from the back to be used alternately with the back.  
 350+, for a laterally folding or collapsible back.

SEE OR SEARCH CLASS:

- 5, Beds, subclass 16 for a vertically unfolding sofaed section.

**113 Armrest movable from recess in back:**

This subclass is indented under subclass 112. Device wherein the back is provided with a recess and the supplemental body support comprises an armrest, the supporting surface of which is shiftable from its stored location in the recess to its use position external thereof.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 115+, for an armrest movable from one position of use to another position of diverse use.  
 238 for a similar device comprising an auxiliary substitute seat withdrawable from a back.  
 411.3+, for an armrest movable to an inoperative position externally of a back.

**114 Supplemental support pivoted to upper end of back:**

This subclass is indented under subclass 112. Device wherein the stored support moves about a fixed axis coextensive with or parallel to and immediately adjacent the upper edge of the back.

**115 ARMREST MOVABLE TO DIVERSE USE POSITION:**

This subclass is indented under the class definition. Device wherein an armrest is manipulatable to different special relationships with other components of the seat to support a different portion of the occupant's body in each relationship.

- (1) Note. The rest may become a headrest or footrest, or it may move to a coplanar relationship with the bottom to form a continuation thereof.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 113 for an armrest movable from a stored nonuse position within the back to a conjunctive use position with the back.

**116 Pivots laterally:**

This subclass is indented under subclass 115. Device wherein the armrest is mounted on a horizontal axis extending from front to rear of the seat to swing up and down to various positions of use.

SEE OR SEARCH THIS CLASS, SUBCLASS:

354.12+, for a back tiltable to various positions of use.

411.3+, for an armrest mounted to swing from an operative to an inoperative position.

**117 Releasable from back-connected upright position:**

This subclass is indented under subclass 116. Device wherein the armrest is held in a vertical position of use by a disengageable means mounted on or connected to the back.

**118 CONVERTIBLE:**

This subclass is indented under the class definition. Device wherein by removal, reorientation, or addition of one or more components, there is formed another and different structure, (1) which if claimed alone would be classifiable in another class, or (2) which if claimed separately would be classified in different subclasses in this class (297).

- (1) Note. The mere adjustment of one or more body supporting parts of a seat relative to another either in body supporting range or to and from a storage position, has not been considered convertible for this and the indented subclasses unless such adjustment destroys the utility of such part as a body support. Such patents have been classified above or below with the particular adjustment claimed. See the search notes to this subclass for the loci of such art. However, if the relative adjustment destroys the utility of the device for supporting an occupant, the device is convertible and classified here. For example, if a back is moved to be coplanar with a bottom, such movement is considered mere adjustment; however, if both parts are then elevated to become a table, the elevation may be considered to destroy the

utility of the device as a body support, and such art has been classified below.

- (2) Note. In general, the addition or reorientation requirement of the definition of this subclass entails the employment of a member which has utility in one type of device but no utility in the other type of device to which it is converted. For example, as pointed out in (1) Note above, a back which is pivoted to move with respect to the bottom has been classified elsewhere. However, if the back pivots and moves forwardly of the bottom so that the previously unused rear surface of the back becomes a support surface such as a table, the device is considered convertible and is classified here.
- (3) Note. A removably mounted body rest, although "converting", for example, an armchair to an armless chair has not been considered to render the device convertible within the scope of this and the indented subclasses. Such removable body rests have been classified with the particular rest. See the search notes below.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 2 for a seating device rotatable to expose a nonseating device for use.
- 16.1+, for a chair having components foldable relative to each other.
- 68+, for a seating device wherein the back and leg rest are concurrently adjustable to various rest positions.
- 105+, for a device having a supplemental body support extensible from a displaceable bottom to "convert" a chair to a bed by arranging a series of coplanar panels.
- 112+, for a back having a stored supplemental panel which is coextensible with the back to form a bed or table.
- 115+, for a seating device having an armrest movable to plural body supporting positions, some of which positions permit the device to be used as a bed.
- 119+, for adjustment of a back and bottom, (e.g., to become a table), that destroys the utility of the device as a body support.

- 316+, for a seating device wherein the back and bottom are interconnected for relative, concurrent movement.
- 354.1+, for a seating device having a back adjustable to plural use positions, particularly subclasses 354.12+ for those with means to hold the back in selected positions of use.
- 411.23+, for an armrest removably clamped on a seat.

**SEE OR SEARCH CLASS:**

- 5, Beds, subclasses 12.1+ for devices known in the trade as “sofa beds” convertible to seating devices. In general, where the sofa converts to a bed by merely moving the armrests, the patent is in this class (297) subclass 116. Where the sofa converts to a bed by moving the back to a horizontal position, the device is a “sofa bed” for Class 5. The division of art is primarily historical.
- 182, Fire Escape, Ladder, or Scaffold, subclasses 33+ for a ladder convertible to a chair or stool.
- 280, Land Vehicles, appropriate subclasses for seats combined with a vehicle, particularly subclasses 7.1+ for a velocipede convertible to other devices or to some other type of vehicle, e.g., walker to stroller; subclasses 30+ for vehicles convertible from wheeled vehicles to nonvehicular structures; subclass 47.18 for convertible hand-propelled tiltable vehicles; subclasses 415.1+ for convertible articulated vehicles.
- 296, Land Vehicles: Bodies and Tops, subclass 69 for a seat in a vehicle body where the seat is convertible to another device.
- 441, Buoys, Rafts, and Aquatic Devices, subclasses 25+ for furniture which is designed to be used as life-saving devices.

**119 Table:**

This subclass is indented under subclass 118. Device wherein the other and different structure is a table.

- (1) Note. Ironing boards have been considered tables for the purpose of classification in this and the indented subclasses.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 134 for a seat detachable from a subjacent table or stool.

**SEE OR SEARCH CLASS:**

- 108, Horizontally Supported Planar Surfaces, subclasses 11+ for a horizontally supported planar surface having convertible features.

**120 Additional table leaf extensible from converting component:**

This subclass is indented under subclass 119. Device wherein the component of the seat which is moved to convert the device to a table carries or has mounted thereon an additional panel, which panel is openable to form an extension of the surface of the component.

**121 Common table with plural bottoms:**

This subclass is indented under subclass 119. Device wherein a seat is converted to a table surface positioned between two bottoms, and usable concurrently by occupants of the bottoms facing each other.

- (1) Note. Two seats facing in opposite directions may constitute the “seat” referred to in the definition.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 157.1+, for a table with opposed seats.

**122 Sectional table formed of bottom and back:**

This subclass is indented under subclass 119. Device wherein the table is composed of two or more components including the bottom and back of the seating device.

**123 Bottom and back move as unit:**

This subclass is indented under subclass 119. Device wherein the joint between the bottom and back is fixed or immovable in the conversion movements of the chair.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:
- 2 for seating devices which convert to nonseating devices by moving as a unit about a fixed horizontal axis. They are distinguished from the devices in this subclass in that the entire structure moves; in this subclass the components move with respect to a support, e.g., legs.
- 93 for one-piece bottom and back which are interchangeable and reversible.
- 124 Back-to-table top:**  
This subclass is indented under subclass 119. Device wherein that portion of the back of the seating device contacted by the back of the occupant is shifted to become the table support surface.
- 125 Rear of back:**  
This subclass is indented under subclass 124. Device wherein that surface of the back opposite to that contacted by the occupant is the table surface.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
- 123 for a seat convertible to a table wherein the back and bottom move as a unit.
- 126 Extends beyond bottom for concurrent use:**  
This subclass is indented under subclass 125. Device in which the conversion exposes or leaves exposed the bottom of the seat so that an occupant may simultaneously use the bottom and table surface.
- 127 Supported on armrest:**  
This subclass is indented under subclass 125. Device wherein the back rests upon the armrests in table position.
- 128 Slidably connected to armrest:**  
This subclass is indented under subclass 127. Device wherein the back has a pin and slot or similar track or guide articulation to the armrest to permit controlled, relative movement therebetween.
- 129 To nonoccupant support device:**  
This subclass is indented under subclass 118. Device in which the other and different structure does not support a person.
- 130 Alternately usable seat mounts:**  
This subclass is indented under subclass 118. Device which is provided with a selectively employed plurality of means to space or hold the occupant seating components in operative position.
- 131 Rocker retractable to inoperative position:**  
This subclass is indented under subclass 130. Device provided with rockers which are mounted to be movable to a nonchair supporting position or a nonrocking, chair supporting position.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
270.1+, for a rocking chair provided with means to immobilize the rocking motion of the chair.
- 132 Ends of composite rockers contact inwardly:**  
This subclass is indented under subclass 131. Device wherein each rocker is made of two or more jointed or connected parts, and wherein the rockers retract by moving the parts about the joint or connection so that the outer ends move inwardly toward the center.
- 133 Detachable rocker:**  
This subclass is indented under subclass 130. Device in which the rockers are connected to the legs of the chair by means permitting ready removal therefrom, e.g., clamps, sockets, and the like, without employing fixtures mounted on the legs, so as to be movable from association with the legs of one chair to association with the legs of another chair.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
33 for a rocker which disengages from the leg of chair to permit folding of the chair.

**134 Seat detachable from subjacent table or stool:**

This subclass is indented under subclass 130. Device wherein a seat is readily connectable and disconnectable from the top of a table, or stool.

**135 WITH TABLE, DESK, OR EASEL:**

This subclass is indented under the class definition. Device combined with a table, desk, or easel.

- (1) Note. "Desk" here refers to a writing surface as distinguished from a cabinet structure. See the search note to Class 312, below.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 119+, for a seat convertible to a table.  
 134 for a seat detachable from a subjacent stool or table and provided with alternate support.  
 175+, for means combined with a stool to facilitate milking of an animal, including supports specifically for a pail.  
 188.01+, for a seat combined with a holder or receptacle.

SEE OR SEARCH CLASS:

- 108, Horizontally Supported Planar Surfaces, subclasses 50.01+ for a horizontally supported planar surface combined with other structure, and subclasses 59+ for plural related horizontal surfaces in general.  
 248, Supports, subclasses 127+ for a stand, particularly subclasses 371+ for a stand with a tilting support surface; subclasses 235+ for a bracket-mounted shelf and subclasses 441.1+ for an easel, book, or music score holder.  
 280, Land Vehicles, appropriate subclasses for the combination of a table or tray and a walker or stroller. See search notes to subclass 5 in this class (297).  
 312, Supports: Cabinet Structure, subclasses 235.1+ for a receptacle having a cabinet partition or article support, combined with a seat.

**136 Seat supported within periphery of apertured table:**

This subclass is indented under subclass 135. Device in which the table is provided with an opening and the seat is supported therein or therebeneath, and at least partially circumscribed by the vertically projected boundaries of said table.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 125 for an apertured table having a seat supported within the periphery thereof wherein the back of the seat moves to close the table opening.

**137 Seat rotatable about vertical axis:**

This subclass is indented under subclass 136. Device in which the seat revolves about a vertical axis.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 344.21+, for a bottom and back movable as a unit about a vertical axis.

SEE OR SEARCH CLASS:

- 108, Horizontally Supported Planar Surfaces, subclasses 94+ for terraced horizontal planar surfaces which are rotatable, subclasses 103+ for plural related horizontal planar surfaces which are rotatable about a vertical axis, and subclasses 139+ for a horizontal planar surface rotatable about a vertical axis.

**138 Seat movable along table-mounted horizontal track:**

This subclass is indented under subclass 136. Device in which the table is provided with a horizontal guideway and the seat is movable therealong.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 143 for a seat positionable beneath a table in a nonuse position by sliding on a track or guide means.

**139 Table forms carrying case for seat:**

This subclass is indented under subclass 135. Device in which the table forms a valise for the seat.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

157.1+, for seats disposed on opposite sides of a table.

183.1+, for a seat combined with a handle.

440.1+, for a knockdown seat, that is, a seat with interfitting components detachably connected by a manipulated joint.

SEE OR SEARCH CLASS:

108, Horizontally Supported Planar Surfaces, subclasses 34+ for a horizontally supported planar surface in which a housing for the surface is provided by a collapsible surface.

190, Trunks and Hand-Carried Luggage, subclasses 1+ for a valise convertible to other articles.

**140 Seat inoperatively positionable beneath table:**

This subclass is indented under subclass 135. Device in which the seat is movable to a position of nonuse beneath the tabletop.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

158.4+, for a table intermediate facing seats constructed so as to collapse into a compact form as for shipping and wherein in the collapsed state the seats underlie the table.

**141 Pivotaly movable seat:**

This subclass is indented under subclass 140. Device in which the seat swings to its inoperative position.

**142 Horizontally swinging:**

This subclass is indented under subclass 141. Device in which the seat is positionable beneath the table by means swingable in a horizontal plane about an axis perpendicular to said plane.

SEE OR SEARCH CLASS:

248, Supports, subclasses 240+ for swinging or folding bracket mounted shelves.

**143 Slides on track or guide:**

This subclass is indented under subclass 140. Device in which the seat is movable along a track to its nonuse position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

138 for a seat supported within the periphery of an apertured table and movable along a table mounted horizontal track.

141+, for a seat which pivots as well as slides in being inoperatively positioned beneath a table.

**144 Extensible from within or beneath seat component:**

This subclass is indented under subclass 135. Device in which a table, desk, or easel is connected to move from an inoperative position inside or below a bottom to an operative position on the exterior thereof.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

105+, for a bottom which moves to expose a supplementary body support.

188.09+, for a receptacle of general utility located beneath a bottom.

**145 From armrest:**

This subclass is indented under subclass 144. Device in which the table, desk, or easel is connected to move from an inoperative position within or against an armrest to an operative position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

188.15+, for a receptacle of general utility in or on the arm of a seat.

**146 From back:**

This subclass is indented under subclass 144. Device in which the table, desk, or easel is connected to move from an inoperative position within or against a back to an operative position.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 112+, for a back carrying a stored supplemental body support.  
 163+, for a table disposed behind a seat.
- 147 Extensible from wall or receptacle:**  
 This subclass is indented under subclass 135. Device wherein the table, desk, or easel and the seat are connected to a wall or container by means permitting movement thereof from an operative to an inoperative position in or against the wall or container.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 16.1+, for a chair comprising a relatively folding bottom, back, and leg.
- SEE OR SEARCH CLASS:  
 108, Horizontally Supported Planar Surfaces, subclasses 33+ for a horizontally supported planar surface combined with a housing, subclasses 42+ for a horizontally supported planar surface combined with other structure, subclasses 134+ for a folding horizontal planar surface attached laterally of a support, and subclass 152 for a horizontal planar surface attached laterally of a support.  
 248, Supports, subclasses 235+ for a bracket-supported shelf.
- 148 Table supported on both arms:**  
 This subclass is indented under subclass 135. Device in which the table is borne by both arms of the seat through contact therewith.
- 149 Horizontally adjustable:**  
 This subclass is indented under subclass 148. Device in which the table is so connected to the arms as to be movable to various positions of use in a plane parallel to the horizon.
- 150 And movable to inoperative position:**  
 This subclass is indented under subclass 149. Device in which the connection permits further movement to a nonuse position.
- 151 Pin and slot type:**  
 This subclass is indented under subclass 149. Device in which the adjusting means includes a detent (e.g., projection or tongue) and a plurality of notches or apertures, for the reception thereof.
- 152 Means for attaching seat and table to adjacent support:**  
 This subclass is indented under subclass 148. Device provided with means for attaching the seat and table to a neighboring support.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 250.1+, for additional bottoms supported from another seat in use position.  
 452.1+, for a bottom or back with means (e.g., bracket or clamp) for attachment to a subjacent support.
- SEE OR SEARCH CLASS:  
 248, Supports, subclasses 235+ for bracket mounted shelves.
- 153 Removable:**  
 This subclass is indented under subclass 148. Device provided with means by which the table may be attached to the arms on which it bears and readily detached therefrom and from the remaining chair structure.
- 154 Movable to inoperative position:**  
 This subclass is indented under subclass 148. Device in which the table is movable to a nonuse position while the seat is in use position.
- 155 To side of chair:**  
 This subclass is indented under subclass 154. Device wherein the table in its nonuse position hangs to the side of the chair arm or is moved to a nonuse position on one side of the bottom.
- 156 Straddle-type seat:**  
 This subclass is indented under subclass 135. Device in which occupant sits astride the seat.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
 124+, for similar structures wherein the face or usable side of the back moves to become a table top.

195.1+, for a seat comprising a pommel and cantle.

354.1+, for similar structures comprising backs tiltable to various use positions.

**SEE OR SEARCH CLASS:**

182, Fire Escape, Ladder, or Scaffold, subclasses 181+ for a trestle usable as straddle seat.

**157.1 Table with opposed seating:**

This subclass is indented under subclass 135. Device wherein a table is disposed between facing seats.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

121 for a seat that is convertible to a table and plural bottoms.

139 for a table with opposing seats where the table forms a carrying case for the seats.

174 for a table in front of a seat.

**SEE OR SEARCH CLASS:**

472, Amusement Devices, subclass 125 for swings for multiple occupants.

**158.1 With semi-enclosing support structure (e.g., booth):**

This subclass is indented under subclass 157.1. Device including an additional supporting structure in which a partially enclosed compartment is formed and defined by the supporting structure, table, and opposed seating.

**158.2 Movable mounted table or seat:**

This subclass is indented under subclass 158.1. Device in which the table, seat, or supporting structure is constructed to be moved about an axis.

**158.3 Planar horizontal seating (e.g., picnic table):**

This subclass is indented under subclass 157.1. Device wherein the spaced facing seats are of a flat nature, disposed in a plane parallel with respect to the table.

**SEE OR SEARCH CLASS:**

108, Horizontally Supported Planar Surfaces, subclasses 60+ for plural related horizontal surfaces having a partition.

**158.4 Folding:**

This subclass is indented under subclass 158.3. Device in which the table or seat is constructed to be foldable from or into a structure of reduced volume.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

139 for a table forming a carrying case.

**SEE OR SEARCH CLASS:**

108, Horizontally Supported Planar Surfaces, subclasses 162+ for a horizontally supported planar surface wherein either one surface is foldably connected to another or a support structure for a horizontal surface is foldably connected to the surface.

**158.5 Having separable components:**

This subclass is indented under subclass 158.3. Device wherein each component of the seat or table carries or has integrally formed therein parts which (a) mate or interfit with each other, (b) may be moved relative to each other to selectively join or disjoin the components, and (c) are the sole connecting means utilized at the joint at which they are employed.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

440.1+, for a knockdown seat, that is, a seat with interfitting components detachably connected by a manipulated joint.

**SEE OR SEARCH CLASS:**

108, Horizontally Supported Planar Surfaces, subclasses 180+ for plural related horizontal surfaces wherein a surface or a support for a surface can be detached.

**159.1 Folding:**

This subclass is indented under subclass 157.1. Device in which the seat or table folds from or into a structure of reduced volume.

**SEE OR SEARCH CLASS:**

108, Horizontally Supported Planar Surfaces, subclasses 162+ for plural related horizontal surfaces wherein either one surface is foldably con-



ned to another or a support structure for a horizontal surface is foldably connected to the surface.

**160 Tablet-arm type:**

This subclass is indented under subclass 135. Device in which a chair arm is enlarged to form a writing surface, or in which a chair arm has a writing surface attached thereto.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
411.2+, for a seat with an armrest.

**161 Adjustable to multiple use positions:**

This subclass is indented under subclass 160. Device in which the surface is connected to the seat by means permitting movement of the surface to various positions of use.

**162 Connected to move to inoperative position:**

This subclass is indented under subclass 160. Device in which the surface is connected to the seat by means permitting movement of the surface to a nonuse position.

**163 Table behind seat:**

This subclass is indented under subclass 135. Device in which a table is located to the rear of the seat.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
112+, for similar construction involving a supplemental body support carried in a stored position in or on a back.  
146 for a table, desk, or easel extensible from a back.

SEE OR SEARCH CLASS:  
4, Baths, Closets, Sinks, and Spittoons, subclasses 515+ for means supporting a person's head or hair while bathing.

**164 Both independently vertically adjustable:**

This subclass is indented under subclass 163. Device in which the table and the seat may be separately perpendicularly adjusted.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
338 for a bottom vertically movable independently of an associated back.

344.12+, for a vertically adjustable bottom and back unit.

**165 Tilttable seat:**

This subclass is indented under subclass 164. Device in which the seat may be pivoted about a horizontal axis to a plurality of positions.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
313+, for a tilttable bottom, especially subclasses 331+ for a bottom tilting to an inoperative position.

**166 Single pedestal:**

This subclass is indented under subclass 165. Device in which the table and the seat are supported from a common supporting post or column.

SEE OR SEARCH CLASS:  
248, Supports, subclasses 158+ for a standard-type stand.

**167 Tilttable seat:**

This subclass is indented under subclass 163. Device in which the seat is pivotable about a horizontal axis or foldable with respect to the table.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
313+, for a tilttable bottom, particularly subclasses 331+ where the bottom tilts to an inoperative position.

**168 Vertically adjustable:**

This subclass is indented under subclass 167. Device in which the seat is additionally adjustable perpendicularly.

**169 With tilttable table:**

This subclass is indented under subclass 167. Device in which the table is also pivotable about a horizontal axis.

**170 Chair-secured standard supports table:**

This subclass is indented under subclass 135. Device in which a table is supported on a standard which is connected to and supported by the chair and extends therefrom.

- 171 Standard is vertical extension of chair leg:**  
This subclass is indented under subclass 170. Device in which the standard is an upward elongation of the chair leg.
- 172 Standard spaced from chair by base element:**  
This subclass is indented under subclass 170. Device in which the standard is spaced from the chair with a base element extending therebetween.
- 173 Table pivotally connected to seat:**  
This subclass is indented under subclass 135. Device in which the table is swingably secured to the seat.
- 174 Table in front of seat:**  
This subclass is indented under subclass 135. Device in which the table is forward of the seat.
- 175 MILKER STOOL TYPE:**  
This subclass is indented under the class definition. Device combined with a means for facilitating the operation of milking an animal, e.g., a pail support or animal guard, or modified to facilitate a milking operation.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
91+, for a seat combined with a table or shelf support upon which a pail may be supported.  
188.01+, for a seat combined with a receptacle of general utility.
- SEE OR SEARCH CLASS:  
220, Receptacles, subclasses 200+ for pail closures in general, and subclasses 86.1+ for attachments for filling a receptacle.
- 176 With tail guard or holder:**  
This subclass is indented under subclass 175. Device provided with means for shielding the seat occupant from a blow by an animal's tail, or with a means to restrain the movement of an animal's tail.
- SEE OR SEARCH CLASS:  
54, Harness for Working Animal, particularly subclass 78 for an animal tail holder of general application or for preventing tail switching but combined with harness for a working animal.  
119, Animal Husbandry, particularly subclasses 809+ for an animal-carried device for preventing its tail from switching not combined with a stool for milking.
- 177 Pail support movable as unit relative to seat:**  
This subclass is indented under subclass 175. Device wherein is provided a holder for a milking pail, and wherein the holder and seat are connected to each other by means which permit one to move with respect to the other, as to various positions of use, or from a use to a nonuse position.
- 178 Pail support vertically movable:**  
This subclass is indented under subclass 177. Device in which the pail holder may be raised or lowered to various positions of use.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 132 for a receptacle support wherein the receptacle is vertically adjustable.
- 179 Adjustable as to pail size:**  
This subclass is indented under subclass 175. Device comprising a pail holder selectively dimensioned to fit pails of various sizes.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 149 for a receptacle support adjustable to various size receptacles.
- 180.1 WITH HEAT EXCHANGER OR MEANS TO PROVIDE FLUID OR VAPOR TREATMENT:**  
This subclass is indented under the class definition. Device provided with a means to heat or cool or transfer heat to or from a seating device or to a seated occupant, or with a means to subject a seating device to fume, smoke, or the like.

**SEE OR SEARCH CLASS:**

- 5, Beds, subclass 284 for means for applying heating or cooling fluid to a bedstead, subclasses 421+ for heating or cooling a bed, and subclass 422 for means for applying heating and cooling fluid to a waterbed mattress.
- 43, Fishing, Trapping, and Vermin Destroying, subclass 125 for fumigators.
- 165, Heat Exchange, appropriate subclasses for structure related to the transfer of heat from one material to another.
- 416, Fluid Reaction Surfaces (i.e., Impellers), subclasses 56+ for the combination of a rocking chair and a fan operated by the rocking movement, wherein no significant alteration of chair structure is required to accommodate the fan and its operating mechanism.
- 417, Pumps, subclass 230 for a pump operated by motion of a rocking chair, wherein the moving fluid is not directed toward a body part of a seated occupant.

**180.11 Portable supplemental pad:**

This subclass is indented under subclass 180.1. Device wherein significance is attributed to a movable auxiliary pad configured to rest upon an occupant-engaging surface of different seating devices, wherein the auxiliary pad includes a means to heat or cool or transfer heat from or to a seated occupant.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 230.1+, for supplemental backs.
- 452.42+, for primary bottom or back having a ventilating means.

**180.12 Electric heating element:**

This subclass is indented under subclass 180.1. Device in which the heating means is an element which operates to convert electrical energy into heat.

**180.13 Power source propels air for heat exchange:**

This subclass is indented under subclass 180.1. Device wherein the means for heating or cooling of a seated occupant includes an air propul-

sion means which is operated by a power source.

**180.14 Fan directly attached to a chair or seat component:**

This subclass is indented under subclass 180.13. Device wherein the air propulsion means is incorporated within or attached to the seating device structure.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 180.16 for a fan actuated by rocking movement of a seated occupant.

**180.15 Liquid medium:**

This subclass is indented under subclass 180.1. Device wherein the means to transfer heat includes a liquid substance.

**SEE OR SEARCH CLASS:**

- 239, Fluid Sprinkling, Spraying, and Diffusing, subclass 289 for a fluid sprinkling system combined with a chair in which there is no special relationship claimed between a spraying device and the chair.

**180.16 Occupant's motion actuates a ventilating means (e.g., rocking movement, etc.):**

This subclass is indented under subclass 180.1. Device wherein the means to heat or cool a seated occupant includes an air-moving means which is actuated by a certain movement imparted to the seating device by the seated occupant (e.g., to-and-fro movement, up-and-down movement, etc.).

**SEE OR SEARCH CLASS:**

- 416, Fluid Reaction Surfaces (i.e., Impellers), subclasses 56+ for impellers operated by motion of a rocking chair, wherein the impeller and its associated operating system are merely attached to the chair at points such that the chair structure is not subjected to significant alteration or modification.
- 417, Pumps, subclass 230 for a pump operated by motion of a chair, wherein the moving fluid is not directed toward a body part of a seated occupant.

**181 SIMULATION; E.G., ANIMAL OR VEHICLE:**

This subclass is indented under the class definition. Device including an effigy or mock-up, as of a horse, automobile, airplane, or the like.

**SEE OR SEARCH CLASS:**

- 280, Land Vehicles, subclass 827 for velocipede simulations.
- 446, Amusement Devices: Toys, subclasses 268+ for a figure toys.
- 472, Amusement Devices, particularly subclasses 95+ for a rockable animal simulation having rider seat means, e.g., a rocking horse, etc.

**182 WITH DEBRIS CATCHER:**

This subclass is indented under the class definition. Device provided with means to receive waste matter dropped by the occupant or by a person attending the occupant, e.g., a barber.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 135+, for a seat combined with a table.
- 188.01+, for a seat combined with a receptacle of general utility.

**SEE OR SEARCH CLASS:**

- 4, Baths, Closets, Sinks, and Spittoons, subclasses 515+ for a receptacle to hold a person's hair and waste water while the hair is being washed.

**183.1 WITH HANDLE:**

This subclass is indented under the class definition. Device including a portion to be grasped by a hand.

- (1) Note. The handle may be (a) grasped by the hand of an occupant to assist him/her in entering, leaving, or remaining on the device or (b) grasped by a standee (as in a common carrier) to assist him/her in maintaining his/her balance and stand adjacent the device or (c) grasped by a person to move the seat from one position or location to another.
- (2) Note. Sedan chairs are classified in this subclass or indented subclasses.

**SEE OR SEARCH CLASS:**

- 16, Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, etc.), subclasses 110.1 through 430 for handles, per se.
- 280, Land Vehicles, subclass 47.11 for a wheel steered vehicle with a handle pushed or pulled by an attendant; subclasses 47.17+ for a tiltable vehicle stabilized by an attendant by means of a handle; and subclasses 47.34+ for a handle propelled stable vehicle, especially subclasses 47.38+ for baby carriage type.
- 472, Amusement Devices, particularly subclasses 120 and 121+ for an amusement type swing actuated by a hand operator and subclass 135 for an occupant rocking, oscillating, or bouncing device.

**183.2 Movable to inoperative position:**

This subclass is indented under subclass 183.1. Handle which includes means to selectively move the handle to a non-use location on the chair.

**183.3 Alternate use (e.g., prop for baby seat, etc.):**

This subclass is indented under subclass 183.2. Movable mounted handle which is positionable to provide an additional function.

**183.4 Adjustable plural use positions:**

This subclass is indented under subclass 183.1. Handle which includes means (e.g., a pivot) to selectively move it to multiple grip stops.

**183.5 For use with chair in collapsed position (e.g., stadium chair):**

This subclass is indented under subclass 183.1. Handle accessible and/or functionable when the seat and back, which are hingedly connected, are in a folded state.

**183.6 For nonoccupant use:**

This subclass is indented under subclass 183.1. Handle which is accessible for use by a person other than the occupant, even when the seat is being occupied.

- 183.7 Seat back grip:**  
This subclass is indented under subclass 183.6. Handle for nonoccupant use located on top of the seat (e.g., for a standee in a common carrier).
- 183.8 Detachable:**  
This subclass is indented under subclass 183.7. Seat back grip designed to be removable from the back without altering the chair structure.
- 183.9 For use by occupant while seated:**  
This subclass is indented under subclass 183.1. Handle which is configured for arrangement or attachment to a seat for use by a person in a seated position.
- 184.1 WITH WEATHER SHIELD OR INSECT PROTECTOR (E.G., CANOPY, SCREEN, ETC.):**  
This subclass is indented under the class definition. Device including a means to shield or protect a seating device or a seated occupant thereof from the sun, wind, rain, or insects.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
219.1+, for a mere cover for a seat component, wherein the cover forms an occupant engaging surface.
- SEE OR SEARCH CLASS:  
5, Beds, subclasses 414+ for a net or canopy for a bed.  
135, Tent, Canopy, Umbrella, or Cane, subclasses 87+ for a canopy.  
280, Land Vehicles, subclass 32.5 for a vehicle with a worker's shade.
- 184.11 Detachable or movable for seat occupancy:**  
This subclass is indented under subclass 184.1. Device wherein the protector is configured to be removable from a supporting surface of the seating device before the use thereof by an occupant, or is connected to the seating device so as to be retracted or moved to a noncovering position.
- 184.12 Transparent visor:**  
This subclass is indented under subclass 184.1. Device wherein the protector includes a panel made of clear or tinted material for a seated occupant's vision.
- 184.13 For child seat:**  
This subclass is indented under subclass 184.1. Device in which the protector is for attaching to a seat dimensioned to support a child.
- 184.14 Enclosure type:**  
This subclass is indented under subclass 184.1. Device in which the protector is configured to surround or extend downwardly from an overlying top to partially or completely shield at least three sides of the seating device; i.e., lateral sides and a back side or front side.
- 184.15 Flexible canopy having framework:**  
This subclass is indented under subclass 184.1. Device wherein the protector is made of flaccid material extending over a top of the seating device and mounted on a frame having members configured to support the protector.
- 184.16 Umbrella type:**  
This subclass is indented under subclass 184.15. Device in which the members are elongated elements each having one end connected to a supporting post, and wherein the elements are configured to extend radially and outwardly therefrom.
- 184.17 U-shaped elements have ends which converge toward a common laterally extending axis (e.g., baby carriage type, etc.):**  
This subclass is indented under subclass 184.15. Device wherein the members are elongated members which are curved across a seating surface of the seating device and each having two ends attached to opposite sides of the seating device, wherein all attachment points lie along a common linear axis extending from one side of the seating device to another side.
- 185 WITH MIRROR:**  
This subclass is indented under the class definition. Device provided with a looking glass.
- SEE OR SEARCH CLASS:  
359, Optical: Systems and Elements, subclasses 838+ for mirrors, per se.

**186 WITH MUSICAL INSTRUMENT OR INSTRUMENT SUPPORT:**

This subclass is indented under the class definition. Device combined with music making means or a support for such means.

**SEE OR SEARCH CLASS:**

- 84, Music, appropriate subclasses for musical instruments, per se, especially subclass 280 for a violin support, subclass 379 for an harmonica support, subclass 421 for a drum support.
- 211, Supports: Racks, subclass 13.1 for a support, per se, for a musical instrument.

**187 PRIE-DIEU TYPE OF KNEELING STAND:**

This subclass is indented under the class definition. Device comprising as support for supporting the knees of a person in a kneeling position and having an armrest or headrest extending thereabove.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 423.15 for a kneeling stool at the rear of a seating device.

**SEE OR SEARCH CLASS:**

- 182, Fire Escape, Ladder, or Scaffold, subclass 129 for a worker's kneeling support combined with nonclass structure (e.g., a brush or soap receptacle); and subclass 230 for a worker's kneeling support, per se.
- 280, Land Vehicles, subclass 32.6 for a wheeled workman's kneeler.

**188.01 WITH HOLDER OR RECEPTACLE FOR DISPARATE ARTICLE:**

This subclass is indented under the class definition. Device provided with an element to support or contain a nonclass article.

- (1) Note. A receptacle is defined as peripheral walls with a closed end and an access opening.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 7+, for a foldable or removable crib side storable within or upon a receptacle on a seating device.
- 14+, for a bottom and back stored in a receptacle housing.
- 105+, for a supplemental baby support extensible from a receptacle below a displaceable bottom.
- 112+, for a supplemental body support stored in a receptacle in a back.
- 135+, for a seating device combined with a table, desk, or easel.
- 236+, for a substitute bottom withdrawable from a receptacle in a seat bottom.
- 238 for a substitute bottom withdrawable from a receptacle in a seat back.

**SEE OR SEARCH CLASS:**

- 5, Beds, subclass 58 for a sofa bed provided with a receptacle, drawer or compartment.
- 220, Receptacles, subclasses 476+ for a container attached to or set in a wall.
- 248, Supports, especially subclasses 311.2+ for a bracket for a receptacle-type holding means.
- 312, Supports: Cabinet Structure, subclasses 235.2+ for a cabinet combined with a generic seating device.

**188.02 Holder or receptacle collapses as seat pivots:**

This subclass is indented under subclass 188.01. Holder or receptacle comprising a container element foldable as the portion of the chair used to bear the weight of a person in a sitting position swings about an axis.

**188.03 For apparel:**

This subclass is indented under subclass 188.01. Holder or receptacle relating to garments or articles of clothing.

- (1) Note. Included here is a seat combined with a trouser press, a hat rack, or a coat hanger.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 4 for an article of clothing combined with a seat, where the clothing alternatively carries the seat about with the

occupant during movement or permits the seat to become operative.

423.1+, for a knee-, leg-, or footrest; i.e., a device which receives or holds a clothed leg or shod foot.

**SEE OR SEARCH CLASS:**

211, Supports: Racks, subclasses 30+ for a hat-type article support.

**188.04 On or integral with backrest:**

This subclass is indented under subclass 188.01. Holder or receptacle supported by or supported within the upwardly extending portion of the seat.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

135+, for a seating device combined with a table, desk, or easel.

182 for a device attached to a back to catch shampoo, crumbs, or other such debris.

**SEE OR SEARCH CLASS:**

4, Baths, Closets, Sinks, and Spittoons, subclasses 515+ for means for bathing a person's head or hair and also means for supporting the head or hair while bathing.

433, Dentistry, subclass 33 for a dental apparatus combined with a support for the patient or operator.

**188.05 Adjustable:**

This subclass is indented under subclass 188.04. Backrest holder or receptacle mounted to the back of the chair by pivotal or extension means, to selectively move it to multiple access locations.

**188.06 Detachable:**

This subclass is indented under subclass 188.04. Backrest holder or receptacle designed to be removable from the back of the chair without altering the chair structure.

**188.07 Having closure means:**

This subclass is indented under subclass 188.04. Backrest receptacle wherein the access opening is covered by a movable wall means.

**188.08 Directly under occupant seating portion:**

This subclass is indented under subclass 188.01. Holder or receptacle located subjacent the portion of the chair used to bear the weight of a person in a sitting position.

**SEE OR SEARCH CLASS:**

4, Baths, Closets, Sinks, and Spittoons, subclasses 479+ for a chair-type dry closet.

211, Supports: Racks, subclass 31 for a hat-type article support designed to be located beneath a substantially horizontal surface, such as the under side of a seat.

**188.09 Accessible by displacement of seating surface:**

This subclass is indented under subclass 188.08. Holder or receptacle located beneath the seat wherein entry to the container element is gained by removal of the seat.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

105+, for a displaceable bottom which exposes a supplemental body support.

**SEE OR SEARCH CLASS:**

5, Beds, subclass 58 for a box sofa having a receptacle accessible by displacement of the top.

**188.1 Pivotaly displaced:**

This subclass is indented under subclass 188.09. Holder or receptacle beneath the seat wherein entry to the container element is gained by pivotaly removing the seat.

**188.11 Horizontally slidable (e.g., drawer):**

This subclass is indented under subclass 188.08. Holder or receptacle located beneath the seating portion consisting of a container element adapted for linear movement relative to the seat, the closed end of the container being a front wall and the access opening of the container being located such that when the receptacle is moved directly underneath the seat, the opening is concealed.

## SEE OR SEARCH CLASS:

312, Supports: Cabinet Structure, subclasses 330.1+ for a cabinet with a horizontally adjustable component and subclasses 235.2+ for a cabinet combined with generic seat.

**188.12 Detachable:**

This subclass is indented under subclass 188.08. Holder or receptacle beneath the seat designed to be removable from underneath the seat without altering the chair structure.

**188.13 Having closure means:**

This subclass is indented under subclass 188.08. Holder or receptacle beneath the seat wherein the access opening is covered by a movable wall means.

**188.14 On or integral with armrest (e.g., beverage cup holder):**

This subclass is indented under subclass 188.01. Holder or receptacle wherein the container element is supported by or within a means for supporting an arm of an occupant of a seat.

## SEE OR SEARCH THIS CLASS, SUB-CLASS:

135+, for a seating device combined with a table, desk, or easel.

411.1+, for various armrests connected to a chair or seat.

## SEE OR SEARCH CLASS:

206, Special Receptacle or Package, subclasses 139+ for a carrier, for portable beverage containers in a desired arrangement and additionally having hand or finger engaging means to pendulously support the containers.

211, Supports: Racks, subclasses 74+ for bottle holders.

**188.15 Movable mounted to inoperative position:**

This subclass is indented under subclass 188.14. Armrest holder or receptacle including means to selectively move the receptacle to a nonuse location.

**188.16 Into armrest:**

This subclass is indented under subclass 188.15. Armrest holder or receptacle movable to a position inside the armrest.

**188.17 By sliding motion:**

This subclass is indented under subclass 188.16. Armrest holder or receptacle movable into the armrest along continuous contact with a smooth surface.

**188.18 Holder detachable from armrest:**

This subclass is indented under subclass 188.14. Armrest holder or receptacle designed to be removable from the armrest without altering the armrest structure.

**188.19 Having closure means:**

This subclass is indented under subclass 188.14. Armrest holder or receptacle having an access opening which is covered by a movable wall means.

**188.2 Detachable from chair structure:**

This subclass is indented under subclass 188.01. Holder or receptacle designed to be removable from the chair without altering the chair structure.

**188.21 Adjustable with respect to the chair structure:**

This subclass is indented under subclass 188.01. Holder or receptacle mounted to the chair by means; i.e., by pivotal or extension means, to selectively move it to multiple access locations.

**195.1 STRADDLE SEAT (E.G., SADDLE TYPE, ETC.):**

This subclass is indented under the class definition. Device having structure configured to be sat astride by an occupant.

## SEE OR SEARCH THIS CLASS, SUB-CLASS:

156 for a straddle-type seat combined with a table.

219.11 for removable cover for straddle seat.

## SEE OR SEARCH CLASS:

54, Harness for Working Animal, subclass 37.1 for a saddle modified to be mounted on an animal.



- 224, Package and Article Carriers, subclasses 30+ for a carrier mounted on a bicycle frame wherein the mounting means are similar to the means by which a saddle seat is mounted on a bicycle frame.
- 267, Spring Devices, subclass 117 for a fluid spring-type spring device useful in a saddle seat, and subclasses 142+ for other types of spring devices for such use.
- 280, Land Vehicles, subclasses 202+ for an occupant-propelled bicycle-type vehicle in which a means is provided for carrying additional passengers or articles, and subclasses 281.1+ for a bicycle frame structure, per se, and for the combination of a bicycle and a seat where more of the frame is claimed than is necessary for mounting the seat.
- 195.11 Other than cycle seat:**  
This subclass is indented under subclass 195.1. Device configured to be mounted on a supporting structure other than on a vehicle having wheels which is propelled by foot pedals or a motor (e.g., bicycle, tricycle, motorcycle, etc.).
- (1) Note. Straddle seats having castors are included in this subclass.
- 195.12 Plural related seats:**  
This subclass is indented under subclass 195.1. Device including an additional straddle seat which is integral with or spaced from the straddle seat for alternate or concurrent use.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
243 for nonstraddle seats in tandem.
- 195.13 Detachable seat:**  
This subclass is indented under subclass 195.12. Device in which the additional seat includes an attaching means for permitting the additional seat to be detachably mounted or connected to a particular support structure or the straddle seat.
- SEE OR SEARCH CLASS:  
280, Land Vehicles, subclass 202 for wheeled land vehicles of occupant-propelled type in combination with a seat or carrier for carrying additional passengers or articles. See the main class definition of this class for the lines between Class 297 and Class 280.
- 196 Base-attached cantilevered spring mounts seat:**  
This subclass is indented under subclass 195.1. Device wherein the seat is secured to the free end of a beam-type spring element, the other end of which is connected to a floor or ground engaging base member, and wherein the spring element forms the sole support for the seat.
- 197 Filamented supporting surface:**  
This subclass is indented under subclass 195.1. Device wherein the supporting surface of the seat includes a plurality of narrow, elongated spans, e.g., strands, strings, horizontally disposed coil springs.
- 198 Laminated leaf spring-mounted:**  
This subclass is indented under subclass 195.1. Device provided with a spring support comprising superposed and coating strips, plates or leaves.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 627 for a support surface mounted on a laminated elliptic spring, and subclass 630 for a support surface mounted on a laminated spring.
- 199 Pneumatic cushion:**  
This subclass is indented under subclass 195.1. Device wherein the seat includes or is supported by a compressible fluid, e.g., air constituting an elastic element.
- SEE OR SEARCH CLASS:  
267, Spring Devices, subclass 117 for a pneumatic cushion, per se.
- 200 Plural independent compartments:**  
This subclass is indented under subclass 199. Device wherein two or more separate fluid containing chambers are provided.

- 201 Sectional or split relatively movable supporting surface:**  
This subclass is indented under subclass 195.1. Device wherein the seat comprises two or more separate and distinct occupant engaging areas which may change their position with respect to each other.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
197 for a straddle seat having a filamented supporting surface.  
312 for a seat with independently movable resilient bottom sections.
- 202 Depressed portion spaces body supporting surfaces:**  
This subclass is indented under subclass 195.1. Device wherein the occupant supporting surface comprises two areas separated by a notched or recessed area.
- 203 Rear end supported on inclined rod independently of support for front end:**  
This subclass is indented under subclass 195.1. Device wherein the hindmost part of the seat is attached to a diagonal rod and its foremost part is separately mounted on its support.
- (1) Note. The inclined rod is usually the backbone member of a cycle frame.
- 204 With means to adjustably set tautness of supporting surface:**  
This subclass is indented under subclass 195.1. Device provided with means to vary the tension of the occupant supporting surface and to hold the surface at various degrees of tension.
- 205 Rod mounting bracket includes tautness setting means:**  
This subclass is indented under subclass 204. Device incorporated in a bracket employed in securing the seat on a supporting rod.
- 206 Front spring adjustably clamped to rear spring:**  
This subclass is indented under subclass 204. Device provided with a spring connected to the front portion of the seat and a spring connected to the rear portion of the seat, said springs being joined together by said adjusting means.
- 207 Threaded adjusting means extends longitudinally of seat:**  
This subclass is indented under subclass 204. Device wherein the adjusting means comprises a screw-type setting means the axis of which extends in the same general direction as the seat.
- 208 Coil spring-mounted:**  
This subclass is indented under subclass 195.1. Device wherein the seat is supported by a helix spring or a spirally wound resilient element.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 623 for a support surface mounted on a helical standard; and subclasses 624+ for a support surface mounted on a helical spring.
- 209 Vertically oriented:**  
This subclass is indented under subclass 208. Device wherein the axis of the coil spring is substantially upright.
- 210 Serially arranged tension and compression springs:**  
This subclass is indented under subclass 209. Device comprising an additional coil spring positioned one directly above the other, and wherein one contracts while the other expands under load.
- 211 Parallel stems each supported by encircling spring:**  
This subclass is indented under subclass 209. Device provided with two or more parallel rods depending from the seat and each rod is resiliently supported by a coil spring which surrounds the rod.
- 212 Rear coil directly secured to front connected member:**  
This subclass is indented under subclass 209. Device wherein a member is interposed between a rear mounted coil spring and the forward end of the seat, and wherein said member forms the support on which the spring is mounted and the connection to the forward end of the seat.
- (1) Note. Included in this subclass are devices in which the rear coil spring and

the front connected member form a single integral continuous element.

**213 Axis extends laterally of seat:**

This subclass is indented under subclass 208. Device wherein the axis of the coil spring extends in a direction crosswise of the seat.

**214 With cushioned top:**

This subclass is indented under subclass 195.1. Device wherein the occupant supporting side of the seat is upholstered, that is, provided with a padding and cover.

SEE OR SEARCH THIS CLASS, SUBCLASS:

452.16+, and 452.48+, for a bottom or back with a cushioned surface.

**215 Bow spring-mounted:**

This subclass is indented under subclass 195.1. Device wherein the seat is supported by means of a semi-elliptical or curved resilient member.

**215.1 Including an upwardly extending portion at rear of seat:**

This subclass is indented under subclass 195.1. Device including a raised portion at or near a rear of the straddle seat, wherein the raised portion is configured to extend upwardly above an occupant-engaging surface of the straddle seat.

(1) Note. The raised portion may be continuous with or attached to the straddle seat.

**215.11 Extends upwardly above waist to provide back support:**

This subclass is indented under subclass 215.1. Device wherein the raised portion is extended upwardly to a point substantially above the waist of a seated occupant to form a back rest.

**215.12 Movable back support:**

This subclass is indented under subclass 215.11. Device in which the back support is mounted for movement with respect to the straddle seat.

**215.13 Adjustable to plural use positions:**

This subclass is indented under subclass 195.1. Device wherein the straddle seat includes a means for setting the seat at various positions of use.

**215.14 Longitudinally:**

This subclass is indented under subclass 215.13. Device in which the adjusting means is configured to allow the straddle seat to move in a fore-and-aft direction along a plane containing longitudinal dimensions of the seat.

**215.15 Angularly:**

This subclass is indented under subclass 215.13. Device wherein the adjusting means is configured to allow the straddle seat to be pivotally moved to and fixed at different positions which are at various angles relative to a substantially horizontal plane.

**215.16 Molded plastic saddle:**

This subclass is indented under subclass 195.1. Device wherein the straddle seat is wholly or partially constructed from a preshaped panel which is formed of a synthetic-type stock; e.g., resins, polymers, nylon, fiberglass, etc.

**216.1 CRASH SEAT:**

This subclass is indented under the class definition. Device provided with a means responsive to, and effective upon, an abnormal acceleration or deceleration of a vehicle within which it may be placed to mitigate, cushion, or neutralize the unusual force acting upon a seated occupant which is caused by the effect of such acceleration or deceleration.

SEE OR SEARCH THIS CLASS, SUBCLASS:

470+, and subclasses 477-480, for acceleration or deceleration responsive safety belts.

**216.11 Force-absorbing means incorporated into child seat:**

This subclass is indented under subclass 216.1. Device in which the mitigating means is provided in a seating device dimensioned to support a seated child.

SEE OR SEARCH THIS CLASS, SUBCLASS:

184.13 for weather shield or insect protector for supplemental child seat.

219.12 for a removable cover for a child seat.

250.1+, for rigid supplemental child seats which are not provided with a force-mitigating means.

**216.12 Force-absorbing means incorporated into headrest area:**

This subclass is indented under subclass 216.1. Device wherein the force-mitigating means is provided in a head-support area of a seating device.

**216.13 Force-absorbing means incorporated into back:**

This subclass is indented under subclass 216.1. Device wherein the force-mitigating means is attached to or incorporated into a back of a seating device.

**216.14 For absorbing rear-impact force:**

This subclass is indented under subclass 216.13. Device wherein the force-absorbing means of the back of the seating device is configured so as to mitigate a force which acts on a rear of the back (e.g., an acting force may be the result of a rear passenger striking a front seat, etc.).

SEE OR SEARCH THIS CLASS, SUB-CLASS:

378.11 for an inertial latch for a back that acts to prevent forward folding of the back when subjected to undue deceleration forces.

**216.15 Bottom and back interconnected for relative concurrent movement:**

This subclass is indented under subclass 216.1. Device including a bottom and a back which are joined so that, in response to excessive force, movement of either the bottom or back causes the other to move at the same time and change its relative position with respect to the other.

**216.16 Bottom and back movable as unit in response to force:**

This subclass is indented under subclass 216.1. Device having a bottom and a back which are continuously formed or joined together to form a unit, and a means to mount the unit to a vehicle's structure, wherein the mounting means is configured to permit the bottom and back to move together, in response to excessive force, in a manner such that their positions relative to each other are unchanged.

**216.17 Rectilinearly vertically:**

This subclass is indented under subclass 216.16. Device wherein the bottom and back, in response to excessive force, move together in a line perpendicular to a substantially horizontal surface.

**216.18 In horizontal plane:**

This subclass is indented under subclass 216.16. Device wherein the bottom and back, in response to excessive force, move relative to their normally set positions in a substantially horizontal plane.

**216.19 Tiltably:**

This subclass is indented under subclass 216.16. Device wherein the bottom and back, in response to excessive force, move as a unit to a position which is inclined at an angle relative to a normally set position of the unit.

**216.2 Mounted on support legs:**

This subclass is indented under subclass 216.19. Device in which the unit is connected to at least two elongated members which support the unit on a floor.

(1) Note. Included in this subclass are telescoping or deformable legs.

**217.1 COMBINED:**

This subclass is indented under the class definition. Device cooperatively united with a non-class article.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

188.01+, for a chair with a holder or receptacle for a disparate article.

SEE OR SEARCH CLASS:

5, Beds, subclass 2.1 for a bed combined with another article of furniture.

105, Railway Rolling Stock, subclasses 345+ for the combination of a railway car and seat.

172, Earth Working, subclasses 431+ for an earth working device combined with a seat.

182, Fire Escape, Ladder, or Scaffold, subclasses 187+ for a workman supporting platform mounted on a shaft.

- 194, Check-Actuated Control Mechanisms, appropriate subclasses for a chair or seat combined with check or coin controlled apparatus.
- 280, Land Vehicles, subclasses 29+ for a wheeled vehicle with a seat.
- 296, Land Vehicles: Bodies and Tops, subclasses 63+ for a modified vehicle body combined with a seat.
- 414, Material or Article Handling, subclass 508 for a self-loading vehicle combined with a seat.
- 217.2 With measuring device:**  
This subclass is indented under subclass 217.1. Seat structure wherein the non-class article is a scale for determining weight or dimensions.
- 217.3 With electrical feature:**  
This subclass is indented under subclass 217.1. Seat structure wherein the non-class article is a powered component, device, etc.
- 217.4 Sound producing:**  
This subclass is indented under subclass 217.3. Seat with electrical feature wherein the non-class article is an audio device (e.g., radio, phonograph, speaker, etc.).
- 217.5 Enclosure:**  
This subclass is indented under subclass 217.4. Seat with sound producing device wherein the audio device is surrounded by walls.
- 217.6 Illumination:**  
This subclass is indented under subclass 217.3. Seat with electrical feature wherein the non-class article is a lighting fixture.
- SEE OR SEARCH CLASS:  
40, Card, Picture, or Sign Exhibiting, subclasses 553+ for structure having illumination.  
362, Illumination, subclasses 97.1 through 97.4 and 127-134 for furniture lighting; and subclasses 98, 125, and 135 for various structures with lighting.
- 217.7 Mounted on accommodating platform (e.g., stairs, deck, etc.):**  
This subclass is indented under subclass 217.1. Combined seat wherein the non-class article is a horizontal flat surface designed to hold a seat.
- 218.1 UPHOLSTERY COVER DETACHABLY CONNECTED TO FRAME:**  
This subclass is indented under the class definition. Device comprising a primary covering provided with means to disengage from the framework.
- (1) Note. A covering comprises a flexible panel which substantially confines the cushioning element (e.g., padding, stuffing, springs, etc.) of the seating device to its supporting framework and also forms the occupant engaging surface.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
219.1+, for a supplemental cover which overlies the upholstery cover.  
440.11 for a fabric seat component detachably connected to a supporting frame by a manipulated joint.  
452.58+, for an upholstered bottom or back with a fixed upholstery cover.
- SEE OR SEARCH CLASS:  
5, Beds, subclass 51.1 for an upholstery cover peculiar to a sofa bed; subclasses 402+ for an upholstery cover on a bed bottom; subclasses 482+ for bed clothing such as sheets, mattress covers, etc.; and subclass 692 for upholstery covers on mattresses.
- 218.2 Cover connector attached to cushion:**  
This subclass is indented under subclass 218.1. Upholstery cover wherein the flexible panel fastener means is secured directly to the cushion.
- 218.3 Cover attached by an element mounted to the frame:**  
This subclass is indented under subclass 218.1. Upholstery cover wherein the flexible panel is secured to the seating device by a means affixed to the framework.
- 218.4 Cover connector mounted by hem inserted elongated member (e.g., drawstring, bar, etc.):**  
This subclass is indented under subclass 218.1. Upholstery cover wherein the flexible panel is provided with a peripheral pocket having a

member for securing the cover to the seating device.

**218.5 Cover attached to frame by separate element:**

This subclass is indented under subclass 218.1. Upholstery cover wherein the flexible panel is secured to the chair frame by an outside means (e.g., bracket, lacing, etc.).

SEE OR SEARCH THIS CLASS, SUBCLASS:

452.59+, for a fixed cover permanently attached to the framework (e.g., by nails, hog rings, staples, tacks, etc.).

**219.1 DETACHABLE SUPPLEMENTAL FLEXIBLE PAD OR COVER:**

This subclass is indented under the class definition. Device comprising a protective covering formed of a flexible panel or cushion configured to overlie and cover an occupant-engaging surface of a seating device, said protective covering includes an attaching means thereon for securing it to a part of the seating device.

(1) Note. Included in this subclass and in the indented subclasses thereunder are covers commonly known in the art as "slipcovers".

SEE OR SEARCH THIS CLASS, SUBCLASS:

184.1+, for weather shield or insect protector for a seating device.

218.1+, for a primary cover detachably connected to the frame of a seating device.

230.1+, for supplemental backs.

250.1+, for a supplemental seating device provided with rigid member.

440.11 for a fabric seat component detachably connected to a supporting frame by a manipulated joint.

452.43 for a supplemental ventilated pad configured to rest on a primary bottom and/or back, wherein the pad does not usually include a means to attach the pad to the primary bottom and/or back.

452.58+, for a cover which is permanently fixed to the bottom or back of a seating device.

SEE OR SEARCH CLASS:

5, Beds, subclasses 482+ for bed clothing such as sheets, mattress covers, etc.

**219.11 For straddle seat:**

This subclass is indented under subclass 219.1. Device wherein the cover is configured to overlie an occupant-engaging surface of a seat configured to be sat astride by an occupant (e.g., bicycle seat, etc.).

SEE OR SEARCH THIS CLASS, SUBCLASS:

195.1+, for particular structure of straddle seats.

**219.12 For child seat:**

This subclass is indented under subclass 219.1. Device wherein the cover is configured to overlie a seating device dimensioned to support a seated child.

SEE OR SEARCH THIS CLASS, SUBCLASS:

216.11 and 250.1+, for structures of supplemental child seats.

**220 Headrest:**

This subclass is indented under subclass 219.1. Device in which a portion of the seating device covered includes a headrest.

(1) Note. Accessories for a headrest, such as headrest covers, are included in this class.

SEE OR SEARCH THIS CLASS, SUBCLASS:

391+, for a headrest, per se.

**221 With cover supply:**

This subclass is indented under subclass 220. Device wherein the headrest cover is wound on a roll or arranged in a stack so that as a used cover section is removed a similar but fresh cover section is exposed.

(1) Note. Included in this subclass are covers mounted on a winding and reeling device.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:
- 223 for a cover which is reversible or has a replaceable section which may be a cover supply.
- 283.4 for a seating device, with a changeable or renewable occupant-engaging surface.
- SEE OR SEARCH CLASS:
- 242, Winding, Tensioning, or Guiding, subclasses 370+, 520+, and 550+ for a reeling device, winding or unwinding device for an elongated material of general use.
- 222 With cutter:**  
This subclass is indented under subclass 221. Device provided with a cutting edge or blade so that the use section may be severed from the remaining portion of the cover.
- SEE OR SEARCH CLASS:
- 225, Severing by Tearing or Breaking, subclasses 6+ for a device of general application for manually severing material of an indefinite length.
- 223 Reversible or with replaceable section:**  
This subclass is indented under subclass 219.1. Device wherein the cover is rearrangeable to present a different occupant- engaging surface, e.g., turned over or the back portion is interchanged with the bottom portion, or a used section of the cover can be removed and replaced with a fresh section.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
- 221 for a cover for a headrest provided with a cover supply so that as a used cover section is removed a fresh cover section is exposed.
- 283.1+, for a seating device with a changeable or renewable occupant engaging surface.
- 224 With elastic section:**  
This subclass is indented under subclass 219.1. Device in which at least a portion of the cover is made of resilient or stretchable material.
- 225 Wraparound one-piece bottom, back, and shoulder or arm:**  
This subclass is indented under subclass 219.1. Device wherein the cover forms a continuous blank of material comprising respective panels to cover the bottom, back, and either the shoulders or arm portions of the seating device, said cover being conformable to the contours of the seating device by shaping or folding the panels around said portions.
- (1) Note. Included in this subclass are wrap around panels stitched together into an integral structure to form a one-piece cover.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
- 228 for a one-piece bottom, back, and armrest cover forming an envelope which is inserted over the seating device.
- 226 Hem-inserted keeper bar:**  
This subclass is indented under subclass 219.1. Device wherein the panel is provided with a peripheral pocket or sleeve-like member and the tie means for attaching the panel to the seating device includes a rod or bar inserted in said pocket or member.
- 227 Armrest:**  
This subclass is indented under subclass 219.1. Device in which a portion of the seating device covered includes an armrest.
- (1) Note. Included in this subclass is an armrest cover which forms a separate section from the remaining bottom or back cover, but may be detachably secured to the bottom or back cover when placed on the seating device.
- (2) Note. Accessories for an armrest, such as armrest covers, are also included in this class.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
- 411.2+, for an armrest, per se.

**228 And bottom or back cover formed of one piece:**

This subclass is indented under subclass 227. Device provided with either a bottom or back panel which is joined to the armrest panel to form a continuous blank of material.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

225 for a wrap around one-piece bottom, back, and arm rest.

**228.1 Slipcover for bottom or back:**

This subclass is indented under subclass 219.1. Device in which the cover is in the form of a sleeve having an open end for fitting over a bottom or a back of the seating device.

**228.11 Having flexible hem-inserted securing means (e.g., drawstring, elastic band, etc.):**

This subclass is indented under subclass 219.1. Device wherein the cover is provided with a peripheral pocket having a flexible elongated member therein, for securing the cover to a bottom or back of the seating device.

**228.12 Having elongated flexible free-end securing means:**

This subclass is indented under subclass 219.1. Device including a flexible elongated member attached to the cover, wherein the member includes a free-end which extends outwardly therefrom for securing the cover to the seating device.

**228.13 Having rigid or semirigid securing member (e.g., zipper, hook, ring, snap, button, etc.):**

This subclass is indented under subclass 219.1. Device wherein the attaching means includes an element made of material which is substantially nonyielding or which yields to a slight degree.

**229 One-piece bottom and back:**

This subclass is indented under subclass 219.1. Device wherein the cover forms a continuous blank of material comprising respective panels to cover the bottom and back of the seating device.

(1) Note. Included in this subclass are bottom and back panels stitched together

into an integral structure to form a one-piece cover.

**230.1 SUPPLEMENTAL BACK:**

This subclass is indented under the class definition. Device comprising a back configured to be mounted on or to be coextended with an occupant-engaging surface of a back of a seating device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

219.1+, for a supplemental flexible pad without a rigid support frame.

250.1+, for rigid supplemental seats.

352 for a portable back with means to connect it with a subjacent backless bottom; e.g., bleacher seat.

**230.11 Flexible occupant back-engaging surface spans framework:**

This subclass is indented under subclass 230.1. Device in which the supplemental back includes a rigid skeletal structure and an occupant-engaging surface made of a flaccid material mounted across the rigid skeletal structure, wherein the occupant-engaging surface may be in the form of a panel or a plurality of elongated webs.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

452.63 for a bottom or back support surface comprised of individual elongated elements.

**230.12 Including a rigid panel:**

This subclass is indented under subclass 230.1. Device wherein the supplemental back includes a continuous sheet made of material which is substantially unyieldable.

**230.13 Back and supplemental back together form occupant back-engaging surface:**

This subclass is indented under subclass 230.1. Device wherein the supplemental back is configured to extend only partially over the back of the seating device such that an occupant's back is engaged by both the back of the seating device and the supplemental back concurrently.



- 230.14 Including a means to adjust supplemental back relative to a seat back:**  
This subclass is indented under subclass 230.1. Device in which the supplemental back includes a means for varying the position of the supplemental back relative to the back of the seating device.
- 232 PLURAL RELATED SEATS:**  
This subclass is indented under the class definition. Device in which the spatial or functional relationship of two or more seats is involved.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
63+, for adjacent seats having components reorientable to form a single bed.
- SEE OR SEARCH CLASS:  
52, Static Structures (e.g., Buildings), subclasses 8+ for seating structure specialized to theatre or stadium use, and subclasses 182+ for a residual stepped structure of general utility.  
280, Land Vehicles, subclasses 202+ for occupant-propelled vehicles with means for carrying additional passengers.  
296, Land Vehicles: Bodies and Tops, subclass 64 for seating arrangements in vehicle bodies.  
472, Amusement Devices, for an amusement device proper therefor which may have plural seats.
- 233 Combinable to form single seat:**  
This subclass is indented under subclass 232. Device wherein the seats are connected and movable within the connection from a separated position of independent use to an adjacent position in which the several bottoms form a single, continuous coplanar seating surface.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
234+, for plural seats which are relatively movable to effect a storage of one of the seats.  
248+, for plural independent seats having means to join the seats in a side by side manner.
- 234 Movement of one seat effects storage of either seat:**  
This subclass is indented under subclass 232. Device wherein a shifting of one of the seats results in either that seat or another seat being inoperatively situated.
- 235 Both move to effect storage of one:**  
This subclass is indented under subclass 234. Device wherein both seats shift to effect storage of one, e.g., to one beneath the other.
- 236 Moving seat stores within or beneath other bottom:**  
This subclass is indented under subclass 234. Device wherein the shifting seat in its inoperative situation is located below or is confined by the bottom of the other seat.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
188.09+, for receptacles of general utility directly under the seat.
- SEE OR SEARCH CLASS:  
211, Supports: Racks, subclass 31 for receptacles type hat supports mounted on the underside of a seat.
- 237 Stored seat withdraws to substitute for other:**  
This subclass is indented under subclass 236. Device wherein the shifting seat in its operative position serves in place of the seat which stored it.
- 238 Within back:**  
This subclass is indented under subclass 234. Device wherein the shifting seat is in its inoperative position situated within the back of the other seat.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
188.04+, for a seat back having thereon a receptacle of general utility.
- 239 Nested:**  
This subclass is indented under subclass 232. Device wherein two or more seats are dimensioned or constructed so that components of one form a recess into which components of the other project and fit in telescopic relation to

- form a superposed storage stack either in a graduated or regular series of seats.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
134 for seats superposed and detachably connected to a subjacent table, stool, or walker.
- 240 Relatively rotatable:**  
This subclass is indented under subclass 232. Device wherein one of the seats is mounted to move with respect to the other (in use position) about a vertical axis.
- 241 One seat has floor roller:**  
This subclass is indented under subclass 240. Device wherein one of the seats is supported by a member rolling on the floor.
- 242 Coaxially:**  
This subclass is indented under subclass 240. Device wherein two or more of the seats are rotatable about the same axis.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
241 for relatively rotatable seats wherein one seat is provided with a floor engaging roller.
- 243 Tandem:**  
This subclass is indented under subclass 232. Device wherein the seats are disposed one behind the other facing in the same direction.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
195.11 for tandem straddle seats.
- 244 Oppositely facing:**  
This subclass is indented under subclass 232. Device wherein the seats are mounted back to back facing in opposite directions.
- 245 Face to face:**  
This subclass is indented under subclass 232. Device wherein the seats are mounted front to front, opposite each other so that the occupants confront each other.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
244 for seats which are adjacent but laterally offset from each other so that the occupants face in opposite directions, e.g., "love seats".
- 246 Oscillating on rollers:**  
This subclass is indented under subclass 245. Device wherein the seats are wheel mounted with means to limit the rotation of the wheel in each direction, to effect a to-and-fro motion.
- 247 Oscillating on rockers:**  
This subclass is indented under subclass 245. Device wherein the seats are mounted on a curved support for movement to-and-fro.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
258.1+, for a single rocker mounted seat.
- 248 Coupled side-by-side:**  
This subclass is indented under subclass 232. Device comprising means for joining a plurality of independent seats to or with respect to each other.
- SEE OR SEARCH CLASS:  
108, Horizontally Supported Planar Surfaces, subclass 64 for a horizontally supported planar surface made up of laterally connected individual units.
- 249 Adjustable within or to arcuate row:**  
This subclass is indented under subclass 248. Device wherein the seats are joined laterally of each other by means which permit them to be turned toward or from each other so as to face respectively on the perimeter of a portion of a circle, or on a circle of different diameter or a straight line.
- 250.1 SUPPLEMENTAL SEAT (E.G., CHILD SEAT, ETC.):**  
This subclass is indented under the class definition. Device configured to be detachably mounted to an occupant-engaging surface of a seating device.
- (1) Note. Supplemental pads having ventilating means are excluded from this sub-

class. See search notes under this subclass for such structures.

SEE OR SEARCH THIS CLASS, SUBCLASS:

216.11 for a supplemental child seat having a means for absorbing a force acting on the seating device, wherein the acting force may have resulted from a sudden acceleration or deceleration of a vehicle.

219.1+, for a detachable pad or cover having an attaching means for connecting it to an occupant-engaging surface of a seating device, and 219.12 for a supplemental pad for a child's seat.

230.1+, for a supplemental back.

352 for a portable back with a bottom attacher.

452.43+, for supplemental pad having ventilating means.

SEE OR SEARCH CLASS:

4, Baths, Closets, Sinks, and Spittoons, subclass 239 for an aperture seat either superposed over another aperture seat, or provided with a means to connect it to another aperture seat; subclasses 578.1+ for a seat detachably connected to a bathing tub.

**251 Armrest-supported:**

This subclass is indented under subclass 250.1. Device wherein the auxiliary seat is mounted on an arm of the other seat.

SEE OR SEARCH THIS CLASS, SUBCLASS:

252 for a similar device provided with clamps for securing it to an underlying board such as a bleacher or boat seat, wherein the clamps frequently are adaptable for securing the device to armrests of an underlying seat such as a barber chair.

**252 Fore or aft board straddling clamps:**

This subclass is indented under subclass 250.1. Device wherein the other seat comprises a horizontal plank and the auxiliary bottom is secured thereto by a clamp extending in a front-to-rear direction and encompassing the plank.

**253 Secured by bottom-back crevice:**

This subclass is indented under subclass 250.1. Device wherein the attaching means includes means on the auxiliary seat temporarily inserted in the joint between the bottom and back of the primary seat and serving to retain the auxiliary in use position.

**254 Back-connected:**

This subclass is indented under subclass 250.1. Device wherein the auxiliary bottom is joined to the back of the other seat.

**255 Collapsible or foldable unit:**

This subclass is indented under subclass 254. Device wherein the auxiliary seat may be compacted, as for storage or transport.

SEE OR SEARCH THIS CLASS, SUBCLASS:

16.1+, for a collapsible chair comprising relatively folding bottom, back, and legs.

350+, for a laterally collapsing or folding back.

**256 Rigid panel-type bottom:**

This subclass is indented under subclass 255. Device wherein the auxiliary seat includes a stiff platelike bottom.

**256.1 Adjustable to plural operative positions:**

This subclass is indented under subclass 250.1. Device including a means for varying the position of the supplemental seat relative to the seating device such that a seated occupant can be supported at various distinct positions.

**256.11 Vertically:**

This subclass is indented under subclass 256.1. Device wherein the supplemental seat is adjustably movable relative to the seating device to at least two positions along a vertical line.

**256.12 About a vertical axis; i.e., rotates:**

This subclass is indented under subclass 256.1. Device wherein the means for varying the position of the supplemental seat relative to the seating device is configured to permit the supplemental seat to pivot or rotate relative to the seating device about a vertical axis.

**256.13 Tiltable:**

This subclass is indented under subclass 256.1. Device wherein the means for varying the position of the supplemental seat relative to the seating device is configured to permit the supplemental seat to be set or inclined at different angles with respect to the seating device.

**256.14 Reversible:**

This subclass is indented under subclass 256.1. Device wherein the means for varying the position of the supplemental seat relative to the seating device includes structure which permits the supplemental seat to be attached to the seating device in a forwardly or rearwardly facing direction.

**256.15 Having a front guard or barrier:**

This subclass is indented under subclass 250.1. Device wherein the supplemental seat includes an occupant-restraining structure having a crossmember configured to extend above and across the lap and in front of a seated occupant so as to assist in restraining the seated occupant.

SEE OR SEARCH THIS CLASS, SUBCLASS:

467 for a crotch strap or post.  
487 and 488, for front guards or barriers on primary seats.

**256.16 Detachably mounted to a support base:**

Device under subclasses 250.1 wherein the supplemental seat includes a base member which rests upon the primary seating device and to which the supplemental seat is removably attached.

**256.17 For shopping cart:**

This subclass is indented under subclass 250.1. Device wherein the supplemental seat is configured for mounting to a particular area of a wheeled shopping cart.

**257 Relatively movable:**

This subclass is indented under subclass 232. Device wherein one of the seats, or a portion thereof, is mounted to be displaced relative to the other seat.

SEE OR SEARCH THIS CLASS, SUBCLASS:

77 for suspended facing seats comprising interpivotated bottoms, backs, and a common footrest, which interpivotated components move relative to each other as the seats oscillate.

240+, for seats which are rotatable relative to each other.

**258.1 ROCKER-MOUNTED:**

This subclass is indented under the class definition. Device comprising a seat which is (a) attached to arcuate floor or base contacting member, (b) convexed on its lower surface to permit it to sway back and forth, or (c) resiliently mounted on a base supporting structure.

SEE OR SEARCH THIS CLASS, SUBCLASS:

20 for an adjustable leg-to-rocker connection in collapsible chair.

32+, for a collapsible chair with a folding rocker, and especially subclass 33 for a rocker which disengages from a leg to permit folding.

247 for plural face-to-face seats which oscillate on rockers.

272.1 for an accessory used on a rocker.

SEE OR SEARCH CLASS:

5, Beds, subclasses 105+ for a cradle with a rocker base.

248, Supports, subclass 143 for a receptacle supporting rocker stand.

280, Land Vehicles, subclasses 1.175+ for a progressing rocker-type simulated vehicle; subclass 1.193 for a simulated vehicle of the platform rocking-type propelled by body motion; subclass 47.1 for a vehicle body mounted on wheels so that the body is rocked as the wheels rotate during travel.

472, Amusement Devices, particularly subclass 102 for an amusement device appropriate therefor, consisting of an animal simulation having rider seat means supported on an arcuate rocking base, and subclass 114 for an amusement seesaw having an arcuate base.

**259.1 Bottom connected to rocker for movement supplemental to rocking motion:**

This subclass is indented under subclass 258.1. Device wherein a movement in addition to the swaying motion of the chair is transmitted to the seat of the body supporting means by means which join the seat to the rocker.

**259.2 Providing reclining motion:**

This subclass is indented under subclass 259.1. Device wherein the transmittal movement to the seat causes the body supporting means to move from a normal upright sitting position to one or more tilted positions.

**259.3 Providing swinging motion:**

This subclass is indented under subclass 259.1. Device wherein the transmittal movement to the seat causes the body supporting means to oscillate back and forth during the rocking motion.

- (1) Note. In this subclass are devices in which the bottom is suspended from a supporting structure arising from the rocker to permit oscillation of the bottom in conjunction with rocking motion.

SEE OR SEARCH THIS CLASS, SUB-CLASS:  
273+, for suspended seats.

**259.4 Spring attached:**

This subclass is indented under subclass 259.1. Device comprising an elastic means joining the seat to the rocker to provide a bouncing motion of the body supporting means during the rocking motion.

- (1) Note. In this subclass are devices in which a spring is interposed between the bottom and rocker so that the bottom yields during the rocking motion.

**260.1 With means to impart rocking motion:**

This subclass is indented under subclass 258.1. Device provided with a mechanism which, when actuated, effects an initial rocking motion to the chair.

SEE OR SEARCH CLASS:  
5, Beds, subclasses 108+ for a cradle having a rocking device.

**260.2 Motor operated:**

This subclass is indented under subclass 260.1. Device comprising a power driving means to initiate and maintain the rocking motion of the chair.

SEE OR SEARCH CLASS:

472, Amusement Devices, particularly subclass 119 for a motor operated swing appropriate therefor.

**260.3 Actuating footrest:**

This subclass is indented under subclass 260.1. Device wherein the rocking motion of the chair is induced by the movement of the foot supporting means.

**261.1 Track-mounted rocker (e.g., platform rocker):**

This subclass is indented under subclass 258.1. Device provided with a rocker contacting panel or set of ways upon which the rockers oscillate.

- (1) Note. These devices are known in the art as "platform rockers".

**261.2 Providing grooved guide:**

This subclass is indented under subclass 261.1. Device wherein the contact between the rocker and track is an intermingling of an arcuate channel and an arcuate edge.

**261.3 With anti-friction means:**

This subclass is indented under subclass 261.2. Device provided with roller means disposed between the rocker and track to facilitate the rocking motion therebetween.

**261.4 Rocker pivotally connected to track:**

This subclass is indented under subclass 261.1. Device comprising a member joining the rocker to the track which has a pivot about which the rocker swings.

**262.1 Meshed teeth engagement:**

This subclass is indented under subclass 261.1. Device wherein the rocker and track are each formed either as a section of projections or as a section of recesses, and wherein the rolling contact of the rocker and track is an intermingling of these sections.

- 263.1 Rotatable about vertical axis to reorientate chair:**  
This subclass is indented under subclass 261.1. Device wherein the track is mounted to move around a vertically extending axis to permit the chair to face different directions.
- 263.2 Having anti-friction means to facilitate rotation:**  
This subclass is indented under subclass 263.1. Device provided with roller means (e.g., roller, ball bearing) disposed between the track and the base of the chair to facilitate the rotation of the track upon the base.
- 264.1 Spring return to neutral position:**  
This subclass is indented under subclass 261.1. Device in which an elastic element is connected to the track to bias the rocker to one position relative to the track and resiliently urge the rocker to this position when it has been displaced.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
332 for a device which biases a bottom to an inoperative position.
- 265.1 Coil spring:**  
This subclass is indented under subclass 264.1. Device wherein the elastic element is a spring formed as a helix.
- 266.1 Extensible:**  
This subclass is indented under subclass 265.1. Device wherein the displacement of the rocker elongates the helix.
- 267.1 With opposing compressible coil spring:**  
This subclass is indented under subclass 266.1. Device provided with an additional coil spring which squeezes together upon displacement of the rocker to resist the elongating movement of the extensible coil spring.
- 268.1 Leaf spring:**  
This subclass is indented under subclass 264.1. Device wherein the elastic element comprises a layer of flexible metallic strip.
- 268.2 Transversely extending spring (e.g., torsion bar):**  
This subclass is indented under subclass 264.1. Device wherein the elastic element is disposed from side to side of the seat so that one end of the elastic element is adjacent to one rocker and the other end of the elastic element is adjacent to the other rocker, such that the displacement of the rocker twists the elastic element about its longitudinal axis.
- 269.1 With means to lock rockers to track:**  
This subclass is indented under subclass 261.1. Device which includes a device to fasten or immobilize the rocker with respect to the track.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
328 for means to hold a tiltable bottom and back unit in plural occupant supporting positions.
- 270.1 With means to limit or inhibit rocking motion:**  
This subclass is indented under subclass 258.1. Device provided with a mechanism to confine the rocking motion to a prescribed arc of travel, or to prevent the rocking motion altogether.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
131 for a rocker retractable to an inoperative position.  
133 for a detachable rocker.  
264.1+, for spring means to limit the rocking of a track mounted rocker.  
269.1+, for means to immobilize a track mounted rocker.  
310 for means to control the rearward tipping of a chair.
- SEE OR SEARCH CLASS:  
5, Beds, subclass 106 for a cradle having a rocker base provided with locking means.
- 270.2 Pivotal stop:**  
This subclass is indented under subclass 270.1. Device wherein the means to limit or inhibit rocking motion rotates about an axis extending therethrough.

**270.3 Plural stops:**

This subclass is indented under subclass 270.1. Device wherein more than one limiting or immobilizing means are utilized.

**270.4 To plural operative positions:**

This subclass is indented under subclass 270.1. Device wherein the limiting or immobilizing means is operable to hold the chair in one of a plurality of distinct positions of use.

**270.5 Stop engages ground:**

This subclass is indented under subclass 270.1. Device wherein the limiting or immobilizing means moves to contact the ground surface to limit the rocking movement.

**271.1 With attached footrest or legrest:**

This subclass is indented under subclass 258.1. Device provided with a support connected to the chair structure and adapted for holding the foot or leg of an occupant of the rocking chair.

**271.2 Mounted on roller or wheel:**

This subclass is indented under subclass 271.1. Device wherein the footrest or legrest is supported by a rotating means (e.g., caster, roller, wheel) to permit an easy reciprocating movement of said footrest or legrest when the chair is oscillating.

- (1) Note. In this subclass are legrests provided with a wheel or rocking support which oscillates in conjunction with the rocking motion of the chair.

**271.3 Adjustable:**

This subclass is indented under subclass 271.1. Device wherein the footrest or legrest may be held in plural positions to accommodate occupant of different sizes.

**271.4 Pivotaly connected to bottom or support frame:**

This subclass is indented under subclass 271.1. Device wherein the footrest or legrest is hingedly secured to the seat or support structure of the chair.

**271.5 With floor or ground contacting rocker:**

This subclass is indented under subclass 258.1. Device wherein the convexed surface which permits the chair to rock, directly engages the surface which supports the chair.

**271.6 Having curved rail:**

This subclass is indented under subclass 271.5. Device provided with a rocker which is in a shape of a bow.

**272.1 Rocker attachment:**

This subclass is indented under subclass 258.1. Device comprising an accessory used on a rocker.

**272.2 Cushion or shoe:**

This subclass is indented under subclass 272.1. Device comprising a strip of resilient rubber attached to the underside of the rocker to protect against or absorb the shock of the rocker.

**272.3 Inflatable:**

This subclass is indented under subclass 272.2. Device wherein the cushion or shoe comprises a tube of resilient material (e.g., soft rubber) adapted to be inflated with a fluid (e.g., air).

**272.4 Tip, guard, or shield:**

This subclass is indented under subclass 272.1. Device comprising a protective device to be secured to the rear end of the rocker to prevent damage to furniture by accidental contact therewith.

**273 OSCILLATING SUSPENDER CONNECTED TO OR THROUGH ADJUNCTIVE REST:**

This subclass is indented under the class definition. Device in which a depending hanger is mounted to swing to and fro, and wherein the hanger supports, or is supported by, a component of a seat other than a bottom, or has such other component threaded thereon.

SEE OR SEARCH THIS CLASS, SUBCLASS:

245+, for plural face to face seats suspended to oscillate.

269.1 for a seat hanging or depending from a rocker mounted supporting structure.

- SEE OR SEARCH CLASS:
- 5, Beds, subclasses 120+ for a freely-suspended swinging hammock adapted to support the body of an occupant in prone position.
- 182, Fire Escape, Ladder, or Scaffold, subclasses 142+ for a suspended platform with elevating and lowering means; and subclass 150 for a suspended platform.
- 248, Supports, subclass 370 for an oscillating support surface carried by stand mounted depending links; and subclasses 317+ for a support surface suspended to oscillate.
- 472, Amusement Devices, particularly subclasses 118+ for a swing appropriate therefor which has a compound or erratic movement, or which is moved to-and-fro by a mechanical means.
- 274 Baby jumper type:**  
This subclass is indented under subclass 273. Device in which the device suspended is constructed to engage and support an infant or small child over a large area of its body and is characterized by either a supple body support provided with leg apertures or by a flexible support adapted to engage and conform to the shape of an occupant's body.
- 275 With belt or garment restrainer:**  
This subclass is indented under subclass 274. Device comprising a flexible, girth-encircling band or article of clothing.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
464+, and especially subclasses 468+ for a belt or harness for holding an occupant in a seat.
- SEE OR SEARCH CLASS:  
2, Apparel, subclasses 69+ for a body garment of general application.  
119, Animal Husbandry, subclass 770 for tethering a human being, subclass 771 for a tether attached to a vehicle, and subclass 857 for a body- or appendage-encircling collar or band for a human being.
- 224, Package and Article Carriers, subclasses 157+ for a baby or patient carrier mounted on a belt or article of clothing.
- 276 Suspender passes through armrest to bottom:**  
This subclass is indented under subclass 273. Device wherein the depending hanger is connected to the bottom and wherein an armrest is threaded on the hanger.
- 277 Suspender connected to back:**  
This subclass is indented under subclass 273. Device wherein the component is a back.
- 278 Adjustable connection for movement relative to bottom:**  
This subclass is indented under subclass 277. Device wherein the connection of the suspender to the back may be altered to allow the back to change its position with respect to the bottom.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
353+, for a movable back, per se.
- 279 And legrest or footrest:**  
This subclass is indented under subclass 277. Device wherein an additional hanger is provided and is connected to a leg rest or foot rest.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
423.1+, for a leg rest or footrest, per se.
- 280 And armrest or side frame:**  
This subclass is indented under subclass 277. Device wherein an additional hanger is provided and connected to either an armrest or a member extending upwardly from and normal to the bottom at the side of the bottom.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
281 for a seat suspended from an armrest or side frame.
- 281 Armrest or side frame-connected:**  
This subclass is indented under subclass 273. Device wherein the adjunctive rest to which the hanger is connected is either an armrest or a



member extending upwardly from and normal to the bottom at the side of the bottom.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

280 for a seat suspended from a back and an armrest or side frame.

**282 Bottom dependent from subjacently mounted armrest:**

This subclass is indented under subclass 281. Device wherein the bottom is supported from a suspender which hangs down from an armrest, and wherein the armrest is supported by a means which extends downwardly from the armrest to the floor or ground.

**283.1 CHANGEABLE OR REVERSIBLE SUPPORTING SURFACE:**

This subclass is indented under the class definition. Device wherein an occupant supporting component is provided with a plurality of occupant contacting surfaces and is further provided with a means permitting the surfaces to be selectively moved into an occupant supporting position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

1+, for a seat rotatable as a unit about a horizontal axis to expose alternative support surfaces.

92+, for an interchangeable and reversible bottom and back.

219.1+, for a pad or cover for a seat component particularly subclass 223 for a slipcover having a reversible or replaceable section. Art in these subclasses (219.1+) is distinguished from the art in this subclass (283.1) in that the former comprises a cover for a primary or basic support surface, while the latter comprises a changeable or reversible primary support surface.

**283.2 Back and bottom supporting surface:**

This subclass is indented under subclass 283.1. Device wherein the occupant supporting component, provided with a plurality of occupant contacting surfaces, is constructed to support the back and bottom of the occupant therein.

**283.3 Back:**

This subclass is indented under subclass 283.1. Device wherein the occupant supporting component, provided with a plurality of occupant contacting surfaces, is constructed to support the back of an occupant therein.

**283.4 Headrest:**

This subclass is indented under subclass 283.1. Device wherein the occupant supporting component, provided with a plurality of occupant contacting surfaces, is constructed to support the head of an occupant therein.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

221+, for a headrest with a supply of disposable covers.

391+, for a means to support the head of an occupant of a seating device.

SEE OR SEARCH CLASS:

248, Supports, subclass 118 for armrest and headrest supports.

**284.1 BOTTOM OR BACK WITH MEANS TO ALTER CONTOUR:**

This subclass is indented under the class definition. Device comprising a bottom or back with a means to change the profile of its occupant engaging surface.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

452.21+, for a contoured bottom.

452.29+, for a contoured back.

**284.11 Located at the front of the seat bottom:**

This subclass is indented under subclass 284.1. Device wherein the contour of the front portion of the seat bottom is changed.

**284.2 Having adjustment means for seat surface tension:**

This subclass is indented under subclass 284.1. Device having a flexible occupant engaging surface with means to shorten or lengthen the surface material intermediate a frame on which it is mounted.

**284.3 Having a plurality of adjacent relatively adjustable sections:**

This subclass is indented under subclass 284.1. Device wherein the bottom or back comprises supporting means made up of a plurality of adjacent sections with means to adjust the individual sections relative to one another.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

312 for a bottom or resiliently mounted, independently movable sections.

**284.4 Providing support for lower back (i.e., lumbar) region:**

This subclass is indented under subclass 284.1. Device wherein the adjustable contour is provided in the area adapted to contact the lower back region of a seated occupant.

**284.5 Portable with seat attacher:**

This subclass is indented under subclass 284.4. Device in which the lumbar support includes means for detachably connecting it to a seat so as to be movable from association with one seat to association with another seat.

**284.6 Having a fluent material within flexible container:**

This subclass is indented under subclass 284.4. Device in which the lumbar support has a variable volume controlled by introduction or removal of a fluid (e.g., with gas, water, air, etc.).

**284.7 Rectilinear vertical adjustment:**

This subclass is indented under subclass 284.4. Device wherein the lumbar support is movable to selected positions along a substantially straight line outwardly from a horizontal plane.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

284.5 for a lumbar support detachably secured to a chair component by a strap, which strap may selectively secure the headrest in vertically adjusted position.

**284.8 Rectilinear horizontal adjustment:**

This subclass is indented under subclass 284.4. Device wherein the lumbar support is movable to a selected position along a substantially straight line outwardly from a vertical plane.

**284.9 Providing support for the sides of a seated occupant:**

Device under 284.1 wherein the contour of the bottom or back is adjustable in a manner such that the longitudinal side edges of the seat provide side support and prohibit excessive side-ways movement of an occupant.

**285 BACK MOVEMENT RESILIENTLY OPPOSED IN OPERATING POSITION:**

This subclass is indented under the class definition. Device comprising an elastic, pliable, flexible, or springy apparatus associated with a generally upright support member whereby displacement of the support member is resisted or countered in response to a force exerted by an occupant thereof.

- (1) Note. Included here is a back mounted on another chair or seat component, as a bottom, which is resiliently mounted so that movement thereof results in movement of the back.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

339 for a portable back with means for attaching it to a bottom.

353+, for a movable back without resilient support means.

452.1+, for a resilient back, per se, and see the search notes thereto.

SEE OR SEARCH CLASS:

5, Beds, subclasses 652+ for a cushion, per se.

267, Spring Devices, appropriate subclasses, for a spring, per se.

**286 Resilient support includes armrest:**

This subclass is indented under subclass 285. Device wherein the spring means is operatively associated with or comprises an armrest portion.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
359+, for a seat having a tilting back held in adjusted position by an armrest pivoted to the back and carrying a latch or holder.  
411.2+, for an armrest in a static structure.
- 287 Integral leg and armrest:**  
This subclass is indented under subclass 286. Device including a one-piece leg and armrest.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
411.42 for integral front leg and armrest.
- 288 Rear leg:**  
This subclass is indented under subclass 287. Device including a one-piece armrest and rear leg.
- 289 Rearward back tilting axially compresses spring:**  
This subclass is indented under subclass 286. Device wherein the spring means comprises a sliding piece moved by or against an elastic means, e.g., coil, within a vessel or about a rod.
- 290 Spring leaf or spring rod armrest:**  
This subclass is indented under subclass 286. Device wherein the armrest portion comprises an elastic leaf or rod.
- 291 Spring centers back on pivot:**  
This subclass is indented under subclass 285. Device wherein the back swings or turns about an axis and an elastic device yields to permit a turning in either of two opposing directions in response to occupant pressure and returns the back to its original position upon release of that pressure.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 582 for a support surface pivoted intermediate plural springs.
- 292 Coil spring surrounds horizontal pivot:**  
This subclass is indented under subclass 285. Device where the coil spring encompasses a pivot shaft or rod.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 597 for a support surface biased about a stationary, horizontal axis by a rigid spring which surrounds the axis.
- 293 Coil spring comprises horizontal pivot:**  
This subclass is indented under subclass 285. Device wherein said elastic means comprises a helically-shaped element, which is disposed about a pivot about which the back moves, or is itself this pivot.
- 294 Resilient leg integral with bottom or back:**  
This subclass is indented under subclass 285. Device wherein the means providing resiliency includes a one-piece springy leg and a bottom or a back.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
287 for a resilient one-piece arm and leg.  
447.1+, for a chair having a back member integral with a front leg.
- 295 Bottom and back:**  
This subclass is indented under subclass 294. Device wherein the one-piece structure includes, with a leg, both a bottom and a back.
- 296 Back secured to resilient upright bar or rod:**  
This subclass is indented under subclass 285. Device wherein the springy back support comprises a flexible, generally vertical lever having a transverse elastic quality.
- 297 Bar or rod rigidly secured to bottom:**  
This subclass is indented under subclass 296. Device wherein the bar or rod is immovably connected to the seat bottom.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
325+, for a rigidly connected bottom and back which tilt as a unit.  
344.1+, for a rigidly connected bottom and back which move horizontally or vertically as a unit.  
445.1+, for a chair structure having relatively immovable components comprising a back, bottom, and legs.  
452.1+, for a relatively immovable bottom and back.

- 298 Bar or rod operatively adjustable with respect to bottom:**  
This subclass is indented under subclass 296. Device wherein the bar or rod connects with the seat bottom to provide for multiple use positions of the back relative to the bottom.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
354.12+, for a nonresiliently supported back tiltable to plural use positions.
- 299 Spring mounts terminal of back:**  
This subclass is indented under subclass 285. Device wherein an elastic means connects one end of the back to its supporting structure.
- (1) Note. Included here is a one-piece bottom-and-back supported as indicated. See the search notes to subclasses 452.12+ for loci of other one-piece bottom-and-backs.
- SEE OR SEARCH CLASS:  
160, Flexible or Portable Closure, Partition, or Panel, subclasses 371+ for framed flexible panels and subclasses 382+ for fabric-to-frame fastening means.
- 300.1 Back and seat adjust simultaneously:**  
This subclass is indented under subclass 285. Opposed back movement wherein the elastic apparatus opposes movement of the upright such that when force is exerted to the support by the occupant, the bottom moves in at least one (x, y, or z) direction.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
344.12+, for a bottom and back unit which is movable vertically, without any resilient support.  
452.1+, for a static bottom and back unit, per se.
- (1) Note. This subclass contains chairs wherein the upright support movement is accompanied with movement of the bottom in a non-fixed angular relationship.
- 300.2 Back tilts while seat inclination adjusts:**  
This subclass is indented under subclass 300.1. Simultaneously adjusted back and seat wherein the bottom moves to an angular position relative to a generally horizontally plane, as the upright support pivots.
- 300.3 Fluid-spring:**  
This subclass is indented under subclass 300.2. Simultaneously adjusted back and seat wherein the resilient member, by way of gas or liquid, resists the tilting of the back (i.e. hydraulic or pneumatic cylinder).
- 300.4 Torsion bar or torsion spring:**  
This subclass is indented under subclass 300.2. Simultaneously adjusted back and seat wherein the resilient member is a solid material considerably longer than it is wide, or is a corkscrew-type that twists to resist the tilting of the back.
- 300.5 Coil spring:**  
This subclass is indented under subclass 300.2. Simultaneously adjusted back and seat where the resilient member is a tight helix, and whereby movement is countered by compression or expansion.
- 300.6 Including back limiting device:**  
This subclass is indented under subclass 300.2. Simultaneously adjusted back and seat further including means to temporarily suspend motion of the back support.
- 300.7 Adjustable:**  
This subclass is indented under subclass 300.6. Limiting device wherein the means to temporarily suspend motion of the back support can be changed to plural positions.
- 300.8 Manually:**  
This subclass is indented under subclass 300.7. Adjustable limiting device wherein the adjustable means to temporarily suspend motion of the back support is manipulated by the seated occupant by pulling, pushing, or rotating an operating handle.
- 301.1 Back adjusts independent of seat:**  
This subclass is indented under subclass 285. Opposed back movement wherein the elastic member opposes movement of the upright support independent of the bottom.

- (1) Note. This subclass contains chairs wherein the bottom support is fixed or moves independent of the upright support movement.
- 301.2 Fluid-spring:**  
This subclass is indented under subclass 301.1. Opposed back movement wherein the resilient member, by way of gas or liquid, resists the tilting of the back (i.e. hydraulic or pneumatic cylinder).
- 301.3 Torsion bar or torsion spring:**  
This subclass is indented under subclass 301.1. Opposed back movement wherein the resilient member is a solid material considerably longer than it is wide, or is a corkscrew-type that twists to resist the tilting of the back.
- 301.4 Coil spring:**  
This subclass is indented under subclass 300.1. Opposed back movement where the resilient member is helical, and whereby movement is countered by compression or expansion.
- 301.5 Including back movement limiting device:**  
This subclass is indented under subclass 301.1. Opposed back movement, further including a means to temporarily suspend motion of the back support.
- 301.6 Adjustable:**  
This subclass is indented under subclass 301.5. Limiting device wherein the means to temporarily suspend motion of the back support can be changed to plural positions.
- 301.7 Manually:**  
This subclass is indented under subclass 301.5. Adjustable limiting device wherein the adjustable means to temporarily suspend motion of the back support is manipulated by the seated occupant by pulling, pushing, or rotating an operating handle.
- 302.1 Back and bottom adjust in a fixed relationship:**  
This subclass is indented under subclass 285. Opposed back movement wherein the upright support and bottom are integrally fixed as a unit, and the elastic member opposes movement of the unit when force is exerted to the support by the occupant.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
264.1+, for a track mounted rocker where a spring returns a seat to a neutral position.  
325+, for a bottom and back unit tiltable without elastic opposition.
- (1) Note. This subclass contains chairs wherein the upright support and the bottom support move in a fixed angular relationship (i.e. a 90° angle).
- 302.2 Fluid-spring:**  
This subclass is indented under subclass 302.1. Opposed back and bottom movement wherein the resilient member, by way of gas or liquid, resists the tilting (i.e. hydraulic or pneumatic cylinder).
- 302.3 Torsion bar or torsion spring:**  
This subclass is indented under subclass 302.1. Opposed back movement wherein the resilient member is a solid material considerably longer than it is wide, or is a corkscrew-type that twists to resist the tilting of the back.
- 302.4 Coil spring:**  
This subclass is indented under subclass 302.1. Opposed back and bottom movement where the resilient member is helical, and whereby movement is countered by compression or expansion.
- 302.5 Including back movement limiting device:**  
This subclass is indented under subclass 302.1. Opposed back movement, further including a means to temporarily suspend motion of the back support.
- 302.6 Adjustable:**  
This subclass is indented under subclass 302.5. Limiting device wherein the means to temporarily suspend motion of the back support can be changed to plural positions.
- 302.7 Manually:**  
This subclass is indented under subclass 302.6. Adjustable limiting device wherein the adjustable means to temporarily suspend motion of the back support is manipulated by the seated

- occupant by pulling, pushing, or rotating an operating handle.
- 303.1 Adjustable resistance:**  
This subclass is indented under subclass 285. Elastic member in which the apparatus can be modified to vary displacement.
- SEE OR SEARCH CLASS:  
267, Spring Devices, appropriate subclasses for adjustable springs, per se.
- 303.2 Fluid Spring:**  
This subclass is indented under subclass 303.1. Opposed back and bottom movement wherein the resilient member, by way of gas or liquid, resists the tilting (i.e. hydraulic or pneumatic cylinder).
- 303.3 Torsion bar or torsion spring:**  
This subclass is indented under subclass 303.1. Elastic member wherein the resilient member is a solid material considerably longer than it is wide, or is a corkscrew-type that twists to resist the tilting of the back.
- 303.4 Coil spring:**  
This subclass is indented under subclass 303.1. Elastic member where the resilient member is a tight helix, and whereby movement is countered by compression or expansion.
- 303.5 Coaxial adjustment member extends through coil:**  
This subclass is indented under subclass 303.4. Helical coil wherein the apparatus to vary displacement is mounted within the helical spring and abuts against the helical spring to compress or expand the coil.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 577 for similar adjusting means not restricted to a chair or seat.
- 307 Constantly oriented during up-and-down movement:**  
This subclass is indented under subclass 285. Device wherein the back is adjustable vertically and wherein the plane of the back in any position of adjustment is parallel to every position of adjustment.
- 308 Back immovable relative to bottom:**  
This subclass is indented under subclass 307. Device wherein the back and the bottom move as a unit.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
344.12+, for a bottom-and-back unit which is movable vertically, without any resilient support.  
452.1+, for a static bottom-and-back unit, per se.
- 309 Bottom component resiliently supports back:**  
This subclass is indented under subclass 307. Device wherein the back is supported by the bottom and received its resilient support therefrom.
- SEE OR SEARCH CLASS:  
248, Supports, subclasses 560+ for a resilient support.
- 310 WITH MEANS TO CONTROL REARWARD CHAIR TIPPING:**  
This subclass is indented under the class definition. Device including a chair provided with means mounted on the chair to prevent the chair from falling over backwards, which means either (1) prevents any tipping movement, or (2) permits a limited amount of tipping but prevents tipping beyond the set limit.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
270.1+, for means to limit or immobilize the rocking motion of a rocker mounted chair.  
325+, for a bottom and a back articulated to a base member and tiltable as a unit relative to the base member.
- SEE OR SEARCH CLASS:  
182, Fire Escape, Ladder, or Scaffold, subclasses 165+ for a prop pivoted to a ladder to prevent tipping of the ladder.  
248, Supports, subclasses 351+ for a prop to hold an article from falling against the action of gravity.

**311 MOVABLE BOTTOM:**

This subclass is indented under the class definition. Device wherein means are provided to displace or permit displacement of the bottom relative to the other components of a seating device or relative to a base member by means of an articulation between the bottom and the other components or between the bottom and the base member.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 1+, for a seat wherein components, including a bottom, are rotatable a portion of a revolution about a horizontal axis to expose an additional supporting surface.
- 19+, for a collapsible chair having a movable bottom with means to hold the bottom in plural operative configurations between a collapsed position and a fully extended position.
- 62 for a chair having parts, including a bottom, which are repositioned to provide stacked bunks.
- 65 for adjacent seats wherein the bottom of one seat moves horizontally responsive to the reclining of its back.
- 68+, for a leg or footrest interconnected to move relative to a bottom and concurrent with a bottom.
- 105+, for a displaceable bottom which exposes a supplemental body support.
- 119+, for a bottom movable to convert a chair or seat to a table.
- 135+, for a movable bottom combined with a table.
- 233 for a seat having components, including a bottom, which are rearrangeable to plural seats, or wherein a bottom is movable from a nonuse position to a use position complementary to another seat.
- 234 for an additional bottom supported from another seat in use position which moves from the use position to a nonuse position.
- 240+, for plural seats in which the bottoms are relatively rotatable.
- 261.1+, for a bottom adjustably mounted on rockers.

- 273+, for a suspended oscillating seat connected to or through an adjunctive rest.

**SEE OR SEARCH CLASS:**

- 60, Power Plants, subclasses 477+ for a jack-type device by fluid pumped from a reservoir.
- 74, Machine Element or Mechanism, subclasses 111+ for an intermittent grip type mechanical movement of general utility, and subclasses 640+ for a gear train, particularly subclasses 424.71-424.96 for screw and nut gearing.
- 91, Motors: Expansible Chamber Type, appropriate subclasses for a motor actuator of general utility.
- 418, Rotary Expansible Chamber Devices, for rotary expansible chamber motors, per se.

**312 Independently movable resilient bottom sections:**

This subclass is indented under subclass 311. Device wherein the bottom comprises two or more separately movable parts, each provided with means which elastically yields under a load.

- (1) Note. A seat bottom comprising two or more resiliently mounted independently movable support sections is in this subclass. See (2) Note to the definition of subclass 452.1.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 201 for a straddle seat comprising sectional or split relatively movable seating surfaces.

**313 Tilttable:**

This subclass is indented under subclass 311. Device wherein the bottom moves to various angles relative to a horizontal plane.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 165+, for a tilting seat having a table therebehind, where both are independently vertically adjustable.
- 167+, for a tilting seat with a table therebehind.
- 195.1+, for a tilttable straddle seat.

273+, for a suspended oscillating seat connected to or through an adjunctive rest.

284.1+, for a bottom with means to alter its contour.

**SEE OR SEARCH CLASS:**

248, Supports, subclasses 371+ for a tilting support surface of a stand.

**314 Laterally:**

This subclass is indented under subclass 313. Device wherein the angular movement of the bottom is about an axis extending front to rear of the bottom.

**315 With laterally folding back:**

This subclass is indented under subclass 314. Device provided with a back which moves sideways to a collapsed nonuse position.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

36 for a collapsible chair with a laterally folding armrest.

42+, for a laterally folding bottom, back, and legs.

350+, for a laterally folding back or back support.

**SEE OR SEARCH CLASS:**

248, Supports, subclasses 240+ for a swinging or folding shelf which may fold laterally.

**316 Interconnected with back for relative concurrent movement:**

This subclass is indented under subclass 313. Device provided with a back joined to the bottom so that movement of either the bottom or the back causes the other to move at the same time and to change its position with respect to the other.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

83+, for relatively and concurrently moving bottom and back with an interconnected and relatively movable footrest.

92+, for interchangeable and reversible bottom and back.

95+, for a movable back which tilts the bottom oppositely as the back pivots reversibly as to the bottom.

309 for resiliently supported bottom and back which are relatively movable.

340+, for a nontilting bottom interconnected with a back for relative concurrent movement.

**317 Bottom slides forwardly while tilting:**

This subclass is indented under subclass 316. Device provided with pin and slot, guideways, or equivalent bearing means which permits the bottom to glide to an inclined position advanced of its initial position.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

314+, for a nontilting bottom which moves forwardly as the back tilts.

322 for interconnected bottom and back in which the bottom tilts with concurrent horizontal movement without sliding.

**SEE OR SEARCH CLASS:**

248, Supports, subclasses 393+ for a support surface which tilts with incremental horizontal adjustment.

**318 On roller:**

This subclass is indented under subclass 317. Device wherein the bearing means comprises an antifriction element, such as a ball or roller.

**SEE OR SEARCH CLASS:**

248, Supports, subclass 430 for a support surface which moves horizontally on rollers.

**319 Back-actuated cam tilts bottom:**

This subclass is indented under subclass 316. Device provided with means connected to the back to slidably engage the bottom to force it to its inclined position upon movement of the back.

**320 Back supports rear of bottom:**

This subclass is indented under subclass 316. Device wherein the rear portion of the bottom is carried by the back.



SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 308 for a resiliently supported back which is connected to the bottom and which moves downwardly as the bottom yields.
- 309 for a bottom which resiliently supports the back for relative vertical movement of the back.

**321 Front of bottom carried by link:**

This subclass is indented under subclass 320. Device wherein the forward portion of the bottom is pivoted to a rigid arm which is mounted for turning movement.

**322 Bottom tilts with concurrent horizontal movement:**

This subclass is indented under subclass 316. Device wherein the bottom is displaced in a horizontal direction while moving to an inclined position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 65 for a bottom which moves horizontally responsive to reclining of a back to form a single bed with an adjacent seat.
- 317+, for interconnected bottom-and-back in which the bottom slides forwardly while tilting.
- 341+, for a nontilting bottom which moves forwardly as the back tilts.

SEE OR SEARCH CLASS:

- 5, Beds, subclass 44.1 for a sofa bed in which a forward-turning back may horizontally advance a seat section; subclasses 47+ for a sofa bed in which a sliding and pivoting back may advance a seat horizontally.
- 248, Supports, subclasses 393+ for a support surface which tilts with incremental horizontal adjustment.

**323 With armrest interconnected for mutual movement:**

This subclass is indented under subclass 316. Device wherein an armrest, the back and the bottom are so connected that movement of any one of these components results in the movement of both of the others.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 27+, for an armrest used as set means to hold a collapsible chair in plural operative configurations.
- 35+, for a collapsible chair having a folding armrest.
- 78+, for a leg rest interconnected to move relative to a bottom and concurrent with a bottom or back, wherein said interconnection includes a back-connected armrest.
- 287 for a back resiliently supported by an integral leg and armrest.
- 359+, for an armrest hinged to a tiltable back.

**324 Back moved by folding of bottom:**

This subclass is indented under subclass 316. Device wherein movement of the bottom from a substantially horizontal use position to a substantially vertical nonuse position causes the back to move.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 331+, for a bottom tiltable to an inoperative position and see the search notes thereto for the general field of search of folding bottoms.

**325 Bottom and back tiltable as unit:**

This subclass is indented under subclass 313. Device provided with a back associated with the bottom and tiltable with the bottom.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 1+, for a reorientable seating device wherein the bottom and back rotate a portion of a revolution to present previously inaccessible supporting surfaces.
- 88+, for a bottom rigid with a back and having a relatively and concurrently moving leg rest.
- 92+, for a chair with an interchangeable and reversible bottom and back.
- 258.1+, for a rocker mounted seating device.
- 302.1+, for a resiliently supported tilting back-and-bottom unit.
- 308 for a bottom-and-back unit vertically moving against the action of a spring.

- 310 for means to control rearward chair tipping.
- 344.1+, for a bottom-and-back unit with nontilting movement.
- 326 About stationary horizontal pivot:**  
This subclass is indented under subclass 325. Device wherein the unit swings about an axis which is immovable and parallel to the horizon.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
302.1 for a resiliently supported bottom-and- back unit which tilts as a unit.  
331+, for a bottom which tilts about a horizontal pivot to an inoperative position.
- SEE OR SEARCH CLASS:  
248, Supports, subclasses 596+ for a support surface which is biased to tilt about a stationary horizontal pivot.
- 327 To plural use positions:**  
This subclass is indented under subclass 326. Device wherein the unit tilts to two or more occupant supporting positions.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 397 for a support surface which tilts with incremental adjustment about a fixed horizontal pivot.
- 328 With set means horizontally spaced from pivot:**  
This subclass is indented under subclass 327. Device provided with means to hold the unit at various positions of use, said means being located to the side of the pivot and separated therefrom.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
269.1+, for a track mounted rocking chair with means to hold the rockers in plural positions relative to the track.  
354.12+, for a tiltable back with set means to hold the back in plural positions.
- SEE OR SEARCH CLASS:  
292, Closure Fasteners, appropriate subclasses for particular fasteners utilized as set means.
- 329 With concurrent horizontal movement:**  
This subclass is indented under subclass 325. Device wherein the unit is displaced in a horizontal direction while moving to an inclined position.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
282 for an oscillating bottom suspended from an armrest or side frame.
- SEE OR SEARCH CLASS:  
248, Supports, subclass 370 for stand mounted depending links carrying a support surface, and subclasses 393+ for a support surface which tilts with incremental horizontal adjustment.
- 330 Motor actuated:**  
This subclass is indented under subclass 313. Device moved by means of power driven actuating mechanism.
- 331 Movable to inoperative position:**  
This subclass is indented under subclass 313. Device tiltable to a nonuse position.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
6 for an occupant-propelled walker or skater frame having a foldable bottom.  
13 for a folding bottom which releases a rotation preventing detent.  
14+, for folding bottom and back connected to and storable in a wall or partition.  
16.1+, for relatively folding bottom, back, and leg.  
43 for bottom and back which fold laterally against a fixed standard.  
136+, for a seat supported within the periphery of a table and movable to inoperative position.  
141+, for a seat pivotally movable to an inoperative position beneath a table.  
165+, for a tiltable bottom combined with a table.

- 188.02 for simultaneously pivoting bottom and folding receptacle.
- 255 for a folding auxiliary bottom suspended from a back.
- 315 for a bottom tiltable laterally.
- 324 for a folding bottom and relatively moving back.
- 325+, for bottom and back tiltable as a unit.
- SEE OR SEARCH CLASS:
- 248, Supports, subclasses 240+ for a folding shelf-type bracket; and subclasses 371+ for a tiltable support surface.
- 332 Biased to position:**  
This subclass is indented under subclass 331. Device comprising means urging the bottom to its nonuse position.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 248+, for means to couple adjacent seats having tilting bottoms.
- 300.1 for a back tiltable with a bottom against the action of a biasing means.
- SEE OR SEARCH CLASS:
- 248, Supports, subclasses 580+ for a resilient means for biasing a tilting support surface to a predetermined position.
- 333 Spring axis coaxial with pivot axis of bottom:**  
This subclass is indented under subclass 332. Device wherein the biasing means includes a resilient means which has an axis coincident with the turning axis of the bottom.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 292 for a resilient back biased by a coil spring which surrounds a horizontal pivot.
- 293 for a resilient back biased by a coil spring, which comprises a horizontal pivot.
- SEE OR SEARCH CLASS:
- 16, Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, etc.), subclasses 72+ for spring-actuated door closers; and subclasses 277+ for spring hinges, per se.
- 248, Supports, subclass 597 for a spiral biasing spring coaxial with a horizontal pivot.
- 334 On link:**  
This subclass is indented under subclass 331. Device wherein the bottom is pivoted to one end of a rigid arm, and wherein the other end of the arm is pivotally mounted on a base.
- 335 About stationary horizontal pivot:**  
This subclass is indented under subclass 331. Device wherein the bottom tilts about an axis which is immovable and parallel to a horizontal plane.
- SEE OR SEARCH CLASS:
- 248, Supports, subclasses 596+ for a support surface which is resiliently biased to tilt about a stationary horizontal pivot.
- 336 Disengages holding abutment rearwardly of pivot:**  
This subclass is indented under subclass 335. Device wherein a portion of the bottom extends rearwardly of the pivot and presses against a stop member to retain the bottom in its use position, and separates from the stop upon tilting of the bottom.
- 337 Movable independently of back:**  
This subclass is indented under subclass 311. Devices wherein the bottom is movable separately from the back.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 313+, for a bottom which tilts independently of the back.
- 338 Vertically:**  
This subclass is indented under subclass 337. Device wherein the movement of the bottom is in a direction upwardly or downwardly from a horizontal plane.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

344.12+, for a bottom and back movable vertically as a unit, and see the search notes thereto for other fields of search of vertically adjustable seating devices.

**339 With force-multiplying means:**

This subclass is indented under subclass 338. Device moved by means employing a mechanical advantage.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

364 for a bottom-and-back unit movable vertically by force multiplying means.

SEE OR SEARCH CLASS:

248, Supports, subclasses 404+ for a support surface adjustable vertically by a force multiplying means.

**340 Interconnected with back for relative concurrent movement:**

This subclass is indented under subclass 311. Device provided with a back joined to the bottom so that movement of either the bottom or the back causes the other to move at the same time and to change its position with respect to the other.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

83+, for a relatively and concurrently moving bottom and back with an interconnected and relatively movable footrest.

316+, for a tilting bottom interconnected with a back for relative concurrent movement.

**341 Back tilts and bottom moves forwardly:**

This subclass is indented under subclass 340. Device wherein movement of either the back to various positions of inclinations or movement of the bottom to a position advanced of its initial position causes the other to move concurrently.

(1) Note. The bottom may also move vertically as it moves horizontally.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

282 for an oscillating bottom suspended from an armrest.

317+, for a bottom which tilts and slides forwardly concurrently with a movement of the back.

322 for relatively concurrently movable bottom and back which moves horizontally while tilting.

329 for a bottom-and-back unit which moves horizontally while tilting.

354.1+, for a tilting back, per se.

SEE OR SEARCH CLASS:

5, Beds, subclass 44.1 for a sofa bed in which a forward-turning back may horizontally advance a seat section; subclasses 47+ for a sofa bed in which a sliding and pivoting back may advance a seat horizontally.

248, Supports, subclasses 127+ for a stand with a horizontally movable support surface.

**342 Rearwardly tilting of back:**

This subclass is indented under subclass 341. Device wherein the upper portion of the back moves in a backward arc as the bottom moves forwardly.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

65 for a bottom which moves horizontally responsive to the reclining of a back to form a single bed with an adjacent seat.

**343 Back slidably connected to back support:**

This subclass is indented under subclass 342. Device provided with pin and slot guideways, or equivalent bearing means joining the back to its support to facilitate relative movement therewith.

**344.1 Bottom and back movable as a unit:**

This subclass is indented under subclass 311. Device provided with a back associated with the bottom and movable as a unit with the bottom relative to the base member.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

325+, for a bottom and back tiltable as a unit.

SEE OR SEARCH CLASS:

248, Supports, subclasses 157+ for a support surface which moves vertically, and subclasses 424+ for a support surface which moves horizontally.

**344.11 Mounted for horizontal oscillating movement:**

This subclass is indented under subclass 344.1. Device including a seat support structure configured to slide back and forth in an ongoing manner relative to the base member in a substantially horizontal plane.

(1) Note. Bearing may be provided between the unit and the base.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

258+, for seats that oscillate in a rocking manner.

273+, for suspended seats which may have similar oscillating movement.

**344.12 Vertically adjustable:**

This subclass is indented under subclass 344.1. Device wherein the unit includes a means to permit the unit to be adjusted up or down relative to the base member in a substantially vertical direction.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

130+, for a bottom movable vertically on an alternately usable seat mount.

164+, for vertically adjustable table and seat.

338+, for a bottom movable vertically independently of the back.

SEE OR SEARCH CLASS:

5, Beds, subclass 11 for a bed bottom adjustable in height, and subclass 83.1 for an invalid-hoisting device.

108, Horizontally Supported Planar Surfaces, subclass 96 for terraced horizontally supported planar surfaces which are vertically adjustable, sub-

classes 106+ for plural related horizontally supported planar surfaces which are vertically adjustable, subclasses 116+ for a folding horizontally supported planar surface provided with vertical adjustability, and subclasses 144.11+ for a single horizontally supported planar surface which is vertically adjustable.

182, Fire Escape, Ladder, or Scaffold, subclasses 141+ for a platform with elevating or lowering means.

248, Supports, subclass 396 for a tilting support surface in which the ends are raised differentially, subclasses 157+ for a vertically adjustable stand or stool, subclasses 161+ for a vertically adjustable standard-type stand or stool, subclasses 404+ for a vertically adjustable standard-type stand with force-multi-plying means, subclass 405 for a vertically adjustable standard-type stand with screw and nut adjusting means, and subclass 422 for a vertically adjustable stand employing similar means.

**344.13 And horizontally adjustable:**

This subclass is indented under subclass 344.12. Device including a means to move or permit movement of the unit in a direction at a right angle to the vertical direction.

SEE OR SEARCH CLASS:

248, Supports, subclasses 419+ for a support surface adjustable vertically and horizontally.

**344.14 Horizontal movement concurrent with vertical movement; i.e., oblique movement:**

This subclass is indented under subclass 344.12. Device in which the horizontal movement of the unit takes place at the same time as the vertical movement of the unit; i.e., the unit moves in a direction which is a resultant of the horizontal and vertical directions.

**344.15 Pivotal linkage assembly:**

This subclass is indented under subclass 344.12. Device wherein the vertical adjustment means includes a plurality of elongated pivotally interconnected members.

**344.16 Gas or hydraulic cylinder:**

This subclass is indented under subclass 344.15. Device in which the vertical adjustment means includes an assembly having a piston slidable inside a cylinder, wherein the piston contacts gas or liquid within the cylinder.

**344.17 Motor actuated:**

This subclass is indented under subclass 344.15. Device wherein the vertical adjustment means is actuated by a power-driven mechanism.

**344.18 Slidably coupled components (e.g., telescoped):**

This subclass is indented under subclass 344.12. Device wherein the vertical adjustment means includes relatively movable inter-fitted elements that are either telescoped or slidably interengaged with each other.

**344.19 Gas or hydraulic cylinder:**

This subclass is indented under subclass 344.18. Device wherein the vertical adjustment means includes an assembly having a piston slidable inside a cylinder, wherein the piston contacts gas or liquid within the cylinder.

**344.2 Motor actuated:**

This subclass is indented under subclass 344.18. Device wherein the vertical adjustment means is actuated by a power-driven mechanism.

**344.21 About vertical axis; i.e., rotates:**

This subclass is indented under subclass 344.1. Device wherein the unit includes structure which permits the unit to rotate in a substantially horizontal plane about an axis normal to said plane.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 13 for a folding bottom which releases a rotation-preventing detent.
- 137 for seat rotatable within the periphery of an aperture table.
- 142 for a seat horizontally swinging beneath a table.
- 240+, for rotatable plural related seats.
- 256.12 for a rotatable rigid supplemental seat.

263.1+, for a rocking chair mounted on a rotatable track.

311+, for a rotatable bottom combined with an adjunctive rest other than a back.

337+, for a seat rotatable independently of a back.

SEE OR SEARCH CLASS:

248, Supports, subclasses 415+ for a rotatable standard-type stand, and subclasses 425+ for another type of rotatable stand.

**344.22 Including means to lock the unit at distinct rotated positions:**

This subclass is indented under subclass 344.21. Device including an adjustment means for fixing and maintaining the unit at various positions of rotation.

**344.23 Motor actuated:**

This subclass is indented under subclass 344.22. Device wherein the adjustment means includes a power-driven mechanism.

**344.24 Having additional movement in horizontal plane:**

This subclass is indented under subclass 344.21. Device including a means for allowing movement of the unit in a direction perpendicular to the vertical axis.

**344.25 Back tilted to permit seat rotation:**

This subclass is indented under subclass 344.21. Device wherein the unit includes a lock mechanism configured to become unlocked when the back is moved to an inclined position to allow rotation of the unit.

**344.26 Including antifriction feature (e.g., ball bearings, etc.):**

This subclass is indented under subclass 344.21. Device including a friction-reducing element made of material having a low coefficient of friction, or which is shaped to facilitate movement of the unit.

**350 Laterally folding or collapsing back:**

This subclass is indented under the class definition. Device comprising a back made of flaccid material or of relatively movable portions, and wherein one portion is movable sideways

relative to another portion to render the back more compact.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

42+, for a laterally folding or collapsing chair, and particularly subclass 44 for a back having foldable sections.

315 for a laterally tilting bottom having a laterally folding back.

### 351 **One-piece bottom and back:**

This subclass is indented under subclass 350. Device wherein a bottom and the back are formed of a single length of material.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

452.13 for a one-piece bottom and back, and see the search notes thereto for the loci of other one-piece bottom and back.

### 352 **PORTABLE BACK WITH BOTTOM ATTACHER:**

This subclass is indented under the class definition. Device comprising a back including means by which it may be secured to or mounted on a horizontal supporting surface and readily removed therefrom, without employing fixtures mounted on the surface, so as to be removable from association with one surface to association with another surface.

(1) Note. These devices are often called "bleacher seats" and are temporarily attached to board-type seats.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

230.1+, for a similar device in combination with a primary bottom and back unit, or with means to connect it to a back of seat, i.e., a substitute back rather than an auxiliary back.

250.1+, for a substitute bottom, which may be combined with a back, having means to detachably secure it to a subjacent bottom.

382 for a bottom hinged to a back by a fabric hinge and usable as a supplemental pad to overlie a primary bottom and back unit.

440.15+, for a back interconnected with a bottom by a manipulated joint.

### 353 **MOVABLE BACK:**

This subclass is indented under the class definition. Device wherein means are provided to move or permit movement of the back relative to the other components of the seating device by means of an articulation of the back to the other components.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

16.1+, for relatively folding bottom, back, and legs which collapse to a nonuse position.

43 for a back combined with a bottom, foldable laterally against a fixed standard.

61 for relative, concurrent, interconnected movement of head rest and back.

68+, for a back interconnected to move relative to and concurrently with a leg rest.

92 for a seat having interchangeable and reversible bottom and back.

94+, for a back joined to a bottom so as to be movable to either the front or back of the bottom so that an occupant may selectively face forward or backward.

230.1+, for a substitute back movable as a unit from association with one primary back to association with another primary back.

250.1+, for a substitute bottom and a back movable as a unit from association with one subjacent primary bottom to association with another subjacent bottom.

285+, for a back movable against the action of a resilient means in operative position.

316+, for a bottom and back combination in which the back moves relative to a tilting bottom as the bottom tilts.

### 354.1 **Tiltable:**

This subclass is indented under subclass 353. Device including structure configured to permit the back to pivot about a substantially horizontal axis to an inclined position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 1+, for a seating device which tilts as a unit about a horizontal axis to expose a substitute support surface.
- 68+, for a legrest or footrest interconnected to move relative to a bottom and concurrently with a tilting back.
- 300.1+, for a back tiltable with a bottom against the action of a biasing means.
- 316+, for a back moving relative to a bottom concurrently with the tilting of the bottom.
- 325+, for a bottom and a back tiltably movable as a unit.

SEE OR SEARCH CLASS:

- 5, Beds, subclass 37.1 for sofa beds having reverting backs, subclasses 43+ for sofa beds having forwardly tilting backs, and subclass 125 for couch hammocks having tilting backs.
- 108, Horizontally Supported Planar Surfaces, subclasses 1+ for a horizontally supported planar surface which is tiltable.
- 280, Land Vehicles, subclass 47.4 for a baby carriage having a tilting back support.

**354.11 Pivot axis located at or adjacent to a central point of back:**

This subclass is indented under subclass 354.1. Device wherein the pivot axis is coincident with or adjacent to a substantially horizontal axis passing through a point located at or near a midpoint of the back.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 291 for a centrally-pivoted backrest with a spring.

**354.12 Plural distinct occupant-supporting positions:**

This subclass is indented under subclass 354.1. Device in which a means is included for adjusting and locking the back at various degrees of inclination relative to a bottom of the seating device.

**354.13 Movable to a rear-horizontal position:**

This subclass is indented under subclass 354.12. Device wherein the back is pivotable backwardly to recline in a substantially horizontal position.

**356 Full stroke adjusting mechanism:**

This subclass is indented under subclass 354.12. Device wherein the holding means is provided with a mechanism which compels full movement of the back in one direction before permitting retrograde movement in the reverse direction.

**357 Vertical displacement of back disengages holder:**

This subclass is indented under subclass 354.12. Device wherein the holding means is released to permit tilting of the back by moving the back in a vertical direction.

**358 Common actuator adjusts height and inclination:**

This subclass is indented under subclass 354.12. Device wherein the holding means performs a second function of releasing the back to permit it to be raised or lowered, and retaining the back at a selected vertical adjustment.

**359 Back-pivoted armrest carries latch or holder:**

This subclass is indented under subclass 354.12. Device comprising an armrest hinged to the back and including means connected to or contained in the armrest for retaining the back in an adjusted position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 27+, for a collapsible chair having means to hold the chair in plural operative configurations, wherein the set means includes the armrest.
- 78+, for an armrest connected to a back and forming an interconnection with a leg rest, and carrying a back positioning latch or holding means.
- 380+, for a back foldable forwardly over the bottom and maintained in use position by a tension tie member.



**360 Bottom-pivoted armrest:**

This subclass is indented under subclass 359. Device in which the armrest is additionally hinged to the bottom.

**361.1 Mechanical operator tilts back fore and aft:**

This subclass is indented under subclass 354.12. Device including a mechanism such as a linkage system, gearing, motor, piston-cylinder assembly, etc., operable to tilt the back in a forward or backward direction.

SEE OR SEARCH CLASS:

74, Machine Element or Mechanism, subclasses 424.71 through 424.96 for screw and nut gearing, per se.

**362 Gear train:**

This subclass is indented under subclass 361.1. Device including a plurality of meshing toothed members.

SEE OR SEARCH CLASS:

74, Machine Element or Mechanism, subclasses 640+ for a gear train, per se.

**362.11 Motor actuated:**

This subclass is indented under subclass 361.1. Device wherein the tilting mechanism is power operated.

**362.12 Actuated shaft:**

This subclass is indented under subclass 361.1. Device wherein the mechanism includes an actuated rod member attached to the back to cause the tilting movement.

**362.13 Gas or hydraulic cylinder:**

This subclass is indented under subclass 362.12. Device in which the actuated shaft is a reciprocating piston which is a part of a pneumatic or liquid operated piston-cylinder assembly.

**362.14 Threaded shaft:**

This subclass is indented under subclass 362.12. Device wherein the actuated shaft includes a thread about its perimeter.

**363 Axially slidable bolt or pawl:**

This subclass is indented under subclass 354.12. Device wherein the holding means includes a member having one or more

recesses in one side thereof, and an elongated locking member, the latter being movable linearly along its longitudinal axis to engage within a selected recess.

SEE OR SEARCH THIS CLASS, SUBCLASS:

366+, for rack and pawl holding means in which one of the two parts is pivoted to move toward and away from the other.

**364 Spring-pressed:**

This subclass is indented under subclass 363. Device biased to its locking position by an elastic member.

SEE OR SEARCH THIS CLASS, SUBCLASS:

369 for a similar device in which a pivoted pawl is spring urged into engagement with a rack.

**365 Engages movable rack:**

This subclass is indented under subclass 364. Device wherein the recessed member is shiftable spatially with respect to the axially sliding bolt.

SEE OR SEARCH THIS CLASS, SUBCLASS:

370+, for a similar device in which a pivoted rack is moved about its pivot to disengage from a pawl.

**366 Rack and pawl:**

This subclass is indented under subclass 354.12. Device wherein the holding means comprises an elongated element having teeth or notches extending from one side thereof, and a cooperating element having a tooth engaging projection thereon to engage between two adjacent teeth, and wherein one of the two elements is pivoted at one of its ends so that the elements are relatively movable to and from each other in the direction of tooth extension.

SEE OR SEARCH THIS CLASS, SUBCLASS:

356 for a device having similar holding means provided with a mechanism to compel full movement of the back in one direction before permitting retro-

- grade movement in the reverse direction.
- 363+, for back holding means comprising an axially moving pawl.
- SEE OR SEARCH CLASS:  
74, Machine Element or Mechanism, subclasses 144+ for a rack and pawl device of general utility.
- 367 Actuator disengages pawl:**  
This subclass is indented under subclass 366. Device provided with a handle, pedal, or the like connected to the pawl and engageable by an operator to move the pawl from engagement with its cooperating rack.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
370+, for a device to disengage a movable rack from a pawl.
- 368 Actuator rigid with pawl:**  
This subclass is indented under subclass 367. Device wherein the actuator is integral with or fixedly attached to the pawl.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
371 for a similar actuator rigid with the rack.
- 369 Spring-pressed:**  
This subclass is indented under subclass 368. Device in which a spring biases the pawl into engagement with the rack.
- 370 Actuator disengages rack:**  
This subclass is indented under subclass 366. Device provided with a handle, pedal, or the like connected to the rack and engageable by an operator to move the rack from engagement with its cooperating pawl.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
367+, for a device to disengage a pawl from a rack.
- 371 Actuator rigid with rack:**  
This subclass is indented under subclass 370. Device wherein the actuator is integral with or fixedly attached to the rack.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:  
368+, for a similar actuator rigid with the pawl.
- 372 Depending pawl or rack prop pivoted to back:**  
This subclass is indented under subclass 366. Device wherein either the rack or pawl hingedly depends from the back and selectively engages with an opposite cooperating member on a stationary portion of the seat.
- 373 Serrated clamp hinge:**  
This subclass is indented under subclass 354.12. Device wherein the back and the seat component to which it is connected and by which it is supported are pivoted together, and wherein both parts of the pivot joint have meshing teeth, and wherein the toothed portions of the parts are selectively movable together to mesh the teeth and prevent relative tilting movement of the parts or movable to a tooth disengaged position where relative tilting may take place.
- 374 Friction detent:**  
This subclass is indented under subclass 354.12. Device wherein the means to hold the back immovable includes two contacting relatively moving parts, and wherein a resistance to relative motion is generated by the contact of one part with the other, and wherein that contact may be increased or decreased to prevent or permit such relative motion.
- 375 Clamp acts on axially moving rod:**  
This subclass is indented under subclass 374. Device wherein one of the parts is a bar member movable in the direction of its length, and the other part is a stationary gripping member engageable with said bar.
- 376 Pin and slot:**  
This subclass is indented under subclass 374. Device wherein one of the parts is a grooved bar or plate and the other part is a clamping bolt slidable in the groove of the bar or plate and operable to be clamped in a selected adjusted position within the groove.

**377 Held by prop behind back:**

This subclass is indented under subclass 354.12. Device in which a rigid, elongated element supports the rear side of the back in use position.

**SEE OR SEARCH CLASS:**

248, Supports, subclasses 351+ for a supporting prop or brace of general utility.

**378.1 Foldable forwardly over bottom:**

This subclass is indented under subclass 354.1. Device wherein the back is provided with structure configured to permit the back to swing forwardly toward a front of a bottom of the seating device to a nonuse position.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

53+, for a collapsible chair in which the back folds to overlie the bottom.

252 for a bleacher-type auxiliary seat having a back foldable forwardly over the bottom.

341 for a movable bottom, wherein a back of the seating device is tilted to permit forward movement of the bottom.

344.25 for a bottom and back rotatable about a vertical axis wherein the forward tilting of the back releases a rotation-preventing detent.

**378.11 Including inertia-responsive latch:**

This subclass is indented under subclass 378.1. Device having a retaining member configured to hold the back against forward folding movement only when there is a presence of an inertia force, wherein upon absence of such inertia force, the back may be pivoted forward by an occupant without operating the retaining member.

(1) Note. The inertia force is usually caused by a sudden or rapid deceleration of a vehicle carrying the seating device.

**378.12 Held erect by releasable latch:**

This subclass is indented under subclass 378.1. Device including a holding means which is operated to prohibit forward movement of the back relative to the bottom, wherein the hold-

ing means is manipulatable to permit such forward movement.

**378.13 Latch element supported by structure separated from chair or seat (e.g., vehicle mounted striker, etc.):**

This subclass is indented under subclass 378.12. Device in which a portion of the holding means is mounted to a structure other than a component of the seating device; e.g., a vehicle wall, floor, window, etc.

**378.14 Including means to hold back in forwardly folded position:**

This subclass is indented under subclass 378.1. Device including a means for maintaining the back in its forwardly folded position.

**380 Tension tie supports back:**

This subclass is indented under subclass 377. Device comprising a limit means acting under tension to restrict the rearward motion of the back.

**381 Armrest tie:**

This subclass is indented under subclass 380. Device wherein the limit means includes an armrest.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

39 for a collapsible chair in which the armrest is connected to the back and front leg to transmit motion from one to another.

78+, for a leg rest or footrest interconnected to a back by means of an armrest which limits rearward movement of the back in response to immobilization of the leg rest.

**382 Fabric hinges bottom to back:**

This subclass is indented under subclass 378.1. Device which includes a flaccid cloth connector joining the back to a bottom to permit the back to be folded relative to the bottom.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

45 for a laterally collapsible chair having a fabric bottom and back.

219.1+, for a pad or cover for a bottom and back, and means to connect the cover to a subjacent seat.

- 234+, for a fabric connected bottom and back claimed in combination with or with means to detachably connect them to a subjacent seat.
- 274+, for a fabric connected bottom and back of the baby jumper type to an oscillating suspender.
- 299 for a fabric one-piece bottom and back resiliently supported in operative position.
- 383 Horizontally:**  
This subclass is indented under subclass 353. Device wherein the back moves or has a component of motion in a generally horizontal plane.
- 391 HEADREST:**  
This subclass is indented under the class definition. Device comprising means for supporting the head of occupant of a seating device.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 61 for a headrest interconnected with a back for relative concurrent movement.
- 219.1+, for a headrest with a protective pad or cover.
- SEE OR SEARCH CLASS:
- 4, Baths, Closets, Sinks, and Spittoons, subclass 523 for a rest for supporting a person's head while bathing and subclass 254 for a closet headrest.
- 5, Beds, subclasses 613+ for a head section of an invalid bed, subclasses 636+ for a pillow, and subclasses 652+ for a cushion.
- 248, Supports, subclass 118 as the generic locus for a headrest. In general, that art is distinguished from the headrest in this class (297) in that it is not disclosed as supporting the head of a seated occupant.
- 392 Chin support:**  
This subclass is indented under subclass 391. Device wherein the supporting means includes a portion positionable to engage the jaw of the occupant.
- SEE OR SEARCH CLASS:
- 84, Music, subclass 278 for a combined chin rest and support for a violin and subclass 279 for a chin rest on a violin.
- 393 Occupant attached:**  
This subclass is indented under subclass 391. Device including means connected to the headrest and cooperable with a person's body or clothing to support the headrest in its position of use adjacent the person's head.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 4 for an occupant-attached seating device.
- SEE OR SEARCH CLASS:
- 2, Apparel, subclasses 44 and 45 for an occupant attached shoulder and back body brace and support.
- 394 Detachable headrest and armrest unit:**  
This subclass is indented under subclass 391. Device wherein an armrest is connected to or integral with a headrest, and wherein the combined structure may be selectively associated and disassociated with a seat or with different seats.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 230.1 for a headrest combined with a back and means to selectively support such structure from another seat.
- 397+, for a self-contained headrest movable from association with one seat to association with another seat.
- 411.23+, for a self-contained armrest movable from association with one seat to association with another seat.
- 395 Wall- or ceiling-supported:**  
This subclass is indented under subclass 391. Device wherein the headrest is supported on or from a vertically extending panel and extends laterally therefrom, or on or from an upper horizontal supporting surface.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 411.21+, for a panel mounted armrest.

**396 Extension of upper back:**

This subclass is indented under subclass 391. Device wherein the top of the back of the seat is enlarged to provide a distinct headrest area, distinguished (as by different contour or by means which permit it to move relative to the back) from the back proper.

**397 Portable, with seat attacher:**

This subclass is indented under subclass 391. Device comprising a headrest complete in itself, movable from association with one seat to association with another seat, and including means by which the headrest may be secured to or mounted on a seating device and readily removed therefrom without employing fixtures mounted on the seat.

- (1) Note. The subclasses below this and the indented subclasses (i.e., subclass 403 et seq.) contain many patents in which the headrest is removably attached to a seat by fixture such as a seat mounted socket or the like. When the fixture is attached to the seat, or the seat is modified to receive the headrest, the patents have not been considered "portable" for subclasses 397+, but have been classified on the features indicated in subclass 403 et seq.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 394 for a unit consisting of a headrest and an armrest, which unit may be selectively associated with and disassociated with same or a different seat, and wherein the associating means may include fixtures mounted on the seat.  
411.23+, for an armrest connected to a seat by similar means.  
423.39+, for a footrest or leg rest connected to a seat by similar means.

**398 Laterally collapsible:**

This subclass is indented under subclass 397. Device in which the headrest is constructed of parts which are foldable upon vertically arranged pivots or movable sideways toward each other to a more compact arrangement, as for transport to another seat or storage.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 42+, for a laterally collapsible chair.  
350+, for a laterally collapsible back.

**399 U-clamp mounted:**

This subclass is indented under subclass 397. Device wherein the means by which the headrest may be mounted or attached comprises a pair of legs joined by a connector to form a letter "U", and wherein the legs straddle the chair component to hold the headrest in operative position.

**400 Adjustable:**

This subclass is indented under subclass 399. Device wherein the parts of the clamp are movable relative to each other so as to accommodate the rest to fit seat components of different size or to permit attachment and removal.

**401 Spring clamp:**

This subclass is indented under subclass 400. Device in which the legs of the clamp are resiliently urged toward each other to yieldingly clamp the seat component therebetween.

**402 Screw clamp:**

This subclass is indented under subclass 400. Device wherein one of the legs of the clamp is movable toward and away from the other by means of a screw and nut device.

**403 Movable to inoperative position rearwardly of back:**

This subclass is indented under subclass 391. Device wherein the headrest is connected to the back by means which permit the rest to move to a nonuse position behind the back.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 408+, for a headrest pivoted to move forwardly and backwardly about a fixed pivot.

**404 Resiliently mounted:**

This subclass is indented under subclass 391. Device wherein an elastic or spring means yieldingly supports the headrest.

**405 Ball- and socket-mounted:**

This subclass is indented under subclass 391. Device wherein the supporting means is connected to the rest by means comprising a spherical recess in one member of the connecting means and a mating sphere on another member, bearing in the recess; and wherein relative adjusting movement is effected by moving the sphere about within its recess.

**406 Adjustable laterally:**

This subclass is indented under subclass 391. Device wherein the headrest is mounted to move toward one side or the other of the seat occupant's head.

- (1) Note. Devices in which the mounting comprises a vertical pivot are in this subclass.

SEE OR SEARCH THIS CLASS, SUBCLASS:

397+, for a headrest adjustable laterally of a chair by selective positioning of the detachable connection means.

405 for a headrest adjustable laterally by means of a ball and socket joint.

**407 On shiftable mounting:**

This subclass is indented under subclass 406. Device wherein the means by which the headrest is supported is movable bodily to one side or the other.

**408 Angularly movable about horizontal axis:**

This subclass is indented under subclass 391. Device wherein the headrest is mounted to swing through an arc about a pivot point at various inclinations to the horizon.

SEE OR SEARCH THIS CLASS, SUBCLASS:

405 for a headrest adjustable angularly fore and aft by means of a ball and socket joint.

**409 With horizontal translator:**

This subclass is indented under subclass 408. Device wherein an additional means is provided to move the headrest horizontally toward or away from the seat occupant.

- (1) Note. The additional means may be a link to one end of which the headrest is pivoted, the other end of the link being pivoted to or extensible from a mounting.

**410 Adjustable rectilinearly vertically:**

This subclass is indented under subclass 391. Device wherein the headrest is movable to selected position along a substantially straight line upwardly from a horizontal plane.

SEE OR SEARCH THIS CLASS, SUBCLASS:

397 for a headrest detachably secured to a chair component by a strap, which strap may selectively secure the headrest in vertically adjusted positions.

**411.1 SUPPORT FOR ARMPIT:**

This subclass is indented under the class definition. Device including a means to support a seated occupant at the juncture of the occupant's arm and shoulder.

**411.2 ARMREST:**

This subclass is indented under the class definition. Device comprising a means for supporting an arm of a seated occupant.

- (1) Note. The armrest may be formed integrally with a component of a chair, such as an end frame. In such case, it has been classified in this group of subclasses if it is disclosed as used as an armrest. If there is no disclosure of such use, the patent has been classified below on other features; e.g., in subclass 450.1, even though the structure is such that an occupant of the seat could rest his arm upon such component.

SEE OR SEARCH THIS CLASS, SUBCLASS:

11 for an armrest having a crib side storable within or upon it.  
35+, for a collapsible chair having a folding armrest.  
78+, for an armrest connected to the back and legrest or footrest of a chair to move with them relative to the bottom.

- 113 for an armrest movable from a nonuse position in a recess in the back to a use position.
- 115+, for an armrest movable to plural diverse use positions.
- 160+, for a chair having an enlarged arm to form a tablet support (table).
- 187 for an armrest and kneerest combined in a praying stand.
- 188.15+, for an armrest having a holder or receptacle therein or thereon.
- 286+, for an armrest operatively associated with or comprising spring means resiliently supporting a back.
- 359+, for an armrest hinged to a tilting back and having means to hold the back in adjusted position.
- 394 for a portable headrest and armrest.
- 411.1 for a rest to engage or support the armpit of a seated occupant.

## SEE OR SEARCH CLASS:

- 4, Baths, Closets, Sinks, and Spittoons, subclass 254 for an armrest related to a closet.
- 5, Beds, subclass 52 for an armrest related to a sofa bed.
- 84, Music, subclass 328 for means to support a player's hand and arm in proper position relative to a stringed instrument, and subclass 469 for an arm rail attached to a piano case to position the player's arm.
- 248, Supports, subclasses 118+ as the generic locus for an armrest. In general, it is distinguished from an armrest in Class 297 in that it is not disclosed as supporting the arm of a seated occupant.
- 296, Land Vehicles: Bodies and Tops, subclass 153 for an armrest having means to cover and protect the door or window sill of a vehicle body.
- 602, Surgery: Splint, Brace, or Bandage, subclasses 21+ for an orthopedic device for the arm; e.g., to correct abnormal positions of the arm, hand, or fingers.

**411.21 Mounted to structure other than a chair or seat component:**

This subclass is indented under subclass 411.2. Armrest supported on or mounted to structure which is not a component of the seating device.

- (1) Note. Armrest may be extended laterally from a wall, vehicle door, steering wheel column, etc.

**411.22 Sill suspended:**

This subclass is indented under subclass 411.21. Armrest configured to be rested upon a substantially horizontal upper edge portion of an upright panel; e.g., window frame, etc.

## SEE OR SEARCH CLASS:

- 296, Land Vehicles: Bodies and Tops, subclass 153 for a vehicle door modified to provide an armrest.

**411.23 Attachable to diverse chairs or seats; i.e., portable:**

This subclass is indented under subclass 411.2. Armrest structured to be mounted to different seating devices and readily removed therefrom.

- (1) Note. Seating device, to which the armrest of this subclass is attached, is not modified for interfitting connection with the armrest.

## SEE OR SEARCH THIS CLASS, SUBCLASS:

- 411.26+, for a detachable armrest mounted to a particular seating device, wherein the seating device has interfitting connection with the armrest.
- 440.23 for a detachable armrest unit which includes front and rear legs.

**411.24 Supported by a seating surface:**

This subclass is indented under subclass 411.23. Armrest configured to rest upon an occupant-supporting surface of a bottom of the seating device.

- (1) Note. Armrest may include mounting means for securing it to the seating device.

**411.25 Connected to a back:**

This subclass is indented under subclass 411.23. Armrest including structure which is joined to a back (or back frame).

**411.26 Detachably interfitted to a particular chair or seat at connecting joint:**

This subclass is indented under subclass 411.2. Armrest wherein the armrest and a seating device carry or have integrally formed therewith interconnecting parts which permit the armrest to be easily disconnected from the seating device.

- (1) Note. An armrest structure including a front and a rear leg which together form a complete unit detachably connected to a bottom and/or back of a seating device is found in subclass 440.23.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 117 for an armrest releasable from a back-connected upright position.  
 227 for a detachable cover on an arm rest.  
 411.23+, for a detachable armrest configured to be mounted to diverse seating devices.  
 440.1+, for seat components joined by interfitting joints.  
 440.23 for a detachable armrest unit which includes front and rear legs.

**411.27 To bottom:**

This subclass is indented under subclass 411.26. Armrest detachably interfitted to a bottom (or bottom frame) of the seating device.

**411.28 And to back:**

This subclass is indented under subclass 411.27. Armrest further detachably interfitted to a back or (back frame) of the seating device.

**411.29 To back only:**

This subclass is indented under subclass 411.26. Armrest detachably interfitted to a back (or back frame) and to no other part of the seating device.

**411.3 Movable to nonuse position:**

This subclass is indented under subclass 411.2. Armrest connected to a seating device in a manner such that it may be moved from a position of use to an inoperative or out-of-the-way position.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 35+, for an armrest foldable together with the bottom, back, and legs of a chair from a use position to a collapsed position.  
 113 for an armrest movable from a stored position within a back to an operative position outwardly of the back.  
 115+, for an armrest movable from a position in which it is usable as an armrest to a position in which it serves a different function; e.g., backrest.  
 411.23+, for a portable armrest movable from association with one seat to association with another seat.

**411.31 Armrest or its supporting member movable about vertical axis:**

This subclass is indented under subclass 411.3. Armrest or an armrest supporting member, hinged for movement to a nonuse position about an axis that extends in a substantially vertical direction.

**411.32 Armrest or its supporting member movable about horizontal axis:**

This subclass is indented under subclass 411.3. Armrest or an armrest supporting member, hinged for movement to a nonuse position about an axis that extends in a substantially horizontal direction.

**411.33 Supporting member movable about plural horizontal axes:**

This subclass is indented under subclass 411.32. Armrest connected to the seating device for pivotal movement about at least two substantially horizontal axes.

**411.34 Axis parallel to a lateral edge of bottom:**

This subclass is indented under subclass 411.32. Armrest in which the horizontal axis extends in a front-to-back direction relative to a bottom of the seating device.

**411.35 Adjustable to multiple use positions relative to bottom or back:**

This subclass is indented under subclass 411.2. Armrest movable to and settable at various positions of use relative to a bottom or a back of a seating device.



**411.36 Vertically:**

This subclass is indented under subclass 411.35. Armrest movable to and settable at different positions along a substantially vertical axis.

(1) Note. An armrest structure including a front and a rear leg which together form a complete unit detachably connected to a bottom and/or back of a seating device is found in subclass 440.23.

**411.37 Laterally:**

This subclass is indented under subclass 411.35. Armrest movable to and settable at various positions of use in lateral directions relative to the bottom or back of the seating device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

287+, for a resilient integral armrest and leg which resiliently support a back in operative position.

**411.38 Angularly:**

This subclass is indented under subclass 411.35. Armrest configured to be tiltable and settable at various angles relative to the bottom or back of the seating device.

**411.43 Connected to back and front leg:**

This subclass is indented under subclass 411.2. Armrest joined to a back and a front leg of a seating device.

(1) Note. An armrest structure including a front and a rear leg which together form a complete unit detachably connected to a bottom and/or back of a seating device is found in subclass 440.23.

**411.39 Angular adjustment coincides with tilting of the back for relative concurrent movement:**

This subclass is indented under subclass 411.38. Armrest connected to an inclinable back in such a manner that tilting movement of the back causes the armrest to be angularly adjusted at the same time to change its angular position with respect to the back.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

411.42 for an armrest formed as one-piece with the front leg.

411.45 for an armrest joined to an end frame.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

61 for a headrest and backrest that are interconnected for relative concurrent movement.

**411.44 Connected to back and bottom:**

This subclass is indented under subclass 411.2. Armrest joined to a back and a bottom of a seating device.

**411.4 Single element forms plural spaced armrests of a chair or seat:**

This subclass is indented under subclass 411.2. Armrest including one single member shaped to provide two spaced armrests of a seating device for supporting the arms of a seated occupant.

**411.45 Mounted on an upwardly extending side panel:**

This subclass is indented under subclass 411.2. Armrest attached to or mounted on top of a side member of a seating device, wherein the side member is connected to a lateral edge of a bottom of the seating device and extended upwardly therefrom.

**411.41 And portion of back:**

This subclass is indented under subclass 411.4. Armrest including structure to further form a back (or back frame) of a seating device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

411.43 for an armrest connected to the back and front leg.

**411.42 Formed as one-piece with front leg:**

This subclass is indented under subclass 411.2. Armrest configured to be continuously formed with a front leg of a seating device.

450.1 for a chair in which the back is connected to an end frame, which frame may support an armrest, and see (1) Note of subclass 411.2.

463.2 for an end frame, per se.

**411.46 Upholstered:**

This subclass is indented under subclass 411.2. Armrest provided with a fixed covering or padding material for shock-absorbing or cushioning effect.

**423.1 REST FOR KNEE, LEG, OR FOOT:**

This subclass is indented under the class definition. Device wherein significance is attributed to a support for the knee, leg, or foot of either: (1) a seated occupant or partially seated occupant of a seating device; or (2) a nonoccupant; i.e., a person other than a seated or partially seated occupant of a seating device.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 30 for a legrest or footrest which folds concurrently with a collapsing chair.
- 68+, for a legrest or footrest interconnected to move relative to a bottom or back, particularly subclass 70 for a legrest in such a device movable independently of a footrest, and subclasses 75+ for a legrest and a footrest movable relative to each other during their movement relative to a bottom.
- 271.1+, for a footrest or legrest in combination with a rocking chair.
- 279 for a seat suspended by a legrest or footrest connected hanger.

SEE OR SEARCH CLASS:

- 4, Baths, Closets, Sinks, and Spittoons, subclass 254 for a footrest related to a closet.
- 15, Brushing, Scrubbing, and General Cleaning, subclasses 265+ for a stand to receive shoes while being cleaned or polished.
- 74, Machine Element or Mechanism, subclass 564 for a footrest adjacent to a pedal to support a portion of the foot during the pedal operation.
- 114, Ships, subclass 363 for a foot brace related to a boat.
- 126, Stoves and Furnaces, subclass 201 for a footrail or guard related to a stove.
- 237, Heating Systems, subclass 77 for a radiator with means for warming the feet.
- 248, Supports, appropriate subclasses for supports of general utility.

280, Land Vehicles, subclass 47.4 for a baby carriage having a seat with a back and/or footrest; subclass 291 for a step and footrest related to an occupant-propelled vehicle.

296, Land Vehicles: Bodies and Tops, subclass 75 for a footrest combined with significant vehicle body structure.

**423.11 For occupant's knee or shin (e.g., sit-kneel type of chair, etc.):**

This subclass is indented under subclass 423.1. Device wherein the rest is configured to support a knee or a front portion of the lower leg of a seated occupant or of a semiseated occupant; i.e., a seated occupant who is kneeling against the rest for additional support.

**423.12 Adjustable relative to chair or seat to plural use positions:**

This subclass is indented under subclass 423.11. Device including structure configured to permit the kneerest to be movable and settable at various positions of use relative to the seating device.

**423.13 Convertible to a chair or seat without kneerest:**

This subclass is indented under subclass 423.11. Device wherein the seating device and the kneerest are configured such that their structures can be moved or relatively rearranged to transform them into a seating device having no support for a knee of a seated occupant (e.g., the kneerest may be moved to an inoperative position beneath the seating device or to a position where it supports the back or bottom of a seated occupant).

**423.14 For nonoccupant use (e.g., shoe salesman's stool, etc.):**

This subclass is indented under subclass 423.1. Device wherein the rest is configured for arrangement relative to, or for attachment to, the seating device for use by a person other than an occupant who sits on the seating device.

SEE OR SEARCH CLASS:

- 15, Brushing, Scrubbing, and General Cleaning, subclasses 265+ for a footrest on a shoe-blackening stand.

**423.15 Rest at rear of chair or seat:**

This subclass is indented under subclass 413.14. Device wherein the rest is located at a rear of the seating device for supporting a knee, leg, or foot of a person other than the occupant of the seating device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

73 for a footrest or legrest interconnected with the bottom or back for relative concurrent movement.

**423.16 Kneeling stool:**

This subclass is indented under subclass 423.14. Device having structure for supporting a nonoccupant who is in a kneeling position.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

187 for a prie-dieu type of kneeling stand; i.e., a kneeling stand combined with an armrest.

**423.17 Including a portion engaging a side of occupant's leg:**

This subclass is indented under subclass 423.1. Device wherein the rest includes structure configured to contact or to apply pressure to a side of a knee, leg, or foot of a seated occupant.

SEE OR SEARCH CLASS:

74, Machine Element or Mechanism, subclass 515 for a knee-operated pedal or level.

**423.18 Having substitute footrest:**

This subclass is indented under subclass 423.1. Device provided with a footrest and an additional footrest, wherein the additional footrest is configured to take the place of or to substitute for the footrest.

(1) Note. The substitute footrest is usually usable by a child or small adult when the existing footrest is too remote relative to the seating surface.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

237 for a substitute bottom with a foot support withdrawn from a first seat bottom.

238 for plural related seats having a substitute bottom with a foot support withdrawn from a seat back.

**423.19 Connected to chair or seat for relative movement:**

This subclass is indented under subclass 423.1. Device wherein the rest is configured to be attached to and movable relative to the seating device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

105+, for a movable legrest or footrest exposed by a displaceable bottom.

**423.2 Horizontally slidable from beneath bottom to a position in front of bottom:**

This subclass is indented under subclass 423.19. Device wherein the rest includes structure configured to permit the rest to slide in a substantially horizontal plane from a storage position directly below a bottom of the seating device to a position located forward of the bottom.

**423.21 Having a floor-engaging support:**

Device under 423.2 wherein the rest is provided with a supporting leg or prop configured to extend downwardly to contact a floor.

**423.22 Having additional movement to an operative position:**

This subclass is indented under subclass 423.2. Device wherein the rest includes structure configured to permit the rest to further move from the forwardly located position in front of the bottom, at which the rest is unusable by a seated occupant, to a position of use.

**423.23 Including means for adjusting the rest to plural operative positions:**

This subclass is indented under subclass 423.22. Device wherein the movable rest includes structure which permits the rest to be set at various usable positions.

**423.24 Angular adjustment means:**

This subclass is indented under subclass 423.23. Device in which the rest includes structure which permits the rest to be inclined at various angles relative to a substantially horizontal surface.

**423.25 Footrest movably connected to an upright support fixed to chair or seat:**

This subclass is indented under subclass 423.19. Device wherein the rest is mounted for movement relative to a substantially vertical standard which is rigidly attached to the seating device.

**423.26 Pivoted for vertical swinging (i.e., about a horizontal axis):**

This subclass is indented under subclass 423.19. Device wherein the rest includes structure which permits the rest to turn about a substantially horizontal axis.

**423.27 Having a floor-engaging support:**

This subclass is indented under subclass 423.26. Device wherein the rest is provided with a supporting leg or prop which is configured to extend downwardly to contact a floor.

**423.28 Pivoted to an unusable position beneath bottom:**

This subclass is indented under subclass 423.26. Device in which the rest is configured to swing from an occupant-supporting position and past a vertically oriented position to a storage position located directly under a bottom of the seating device.

- (1) Note. The upper surface of the rest must be pivoted beyond a vertically standing position (i.e., pivoted approximately more than 90 degrees) to be classified here.

**423.29 Pivot axis parallel to lateral edge of bottom:**

This subclass is indented under subclass 423.26. Device wherein the horizontal axis extends in a front-to-back direction relative to a bottom of the seating device.

**423.3 Pivot axis adjacent and parallel to front edge of bottom:**

This subclass is indented under subclass 423.26. Device wherein the horizontal axis extends in a side-to-side direction relative to a bottom of the seating device and is located adjacent and parallel to a forwardmost edge of the bottom.

**423.31 Held by a prop behind rest:**

This subclass is indented under subclass 423.3. Device including a rigid elongated element configured to support a rear side of the rest in a use position.

**423.32 Prop adjusts the rest to plural use positions:**

This subclass is indented under subclass 423.31. Device wherein the prop is adjustable by a means for permitting the rest to be set at different positions of use.

**423.33 Adjustable friction detent:**

This subclass is indented under subclass 423.32. Device wherein the adjustment means includes two contacting relatively movable parts, and wherein a resistance to relative motion of the moving parts is generated by the contact of one part with the other, and wherein that contact may be increased or decreased to prevent or permit such relative motion.

**423.34 Footrest moves relative to legrest:**

This subclass is indented under subclass 423.3. Device including a footrest and a vertically swinging legrest, wherein the footrest is configured to be moved relative to the vertically swinging legrest.

**423.35 Pivotaly movable footrest:**

This subclass is indented under subclass 423.34. Device wherein the footrest is hinged to turn relative to the legrest about an axis.

**423.36 Slidably adjustable footrest:**

This subclass is indented under subclass 423.34. Device in which the footrest is configured for sliding motion relative to the legrest.

SEE OR SEARCH THIS CLASS, SUBCLASS:

423.2+, for a legrest or footrest which slides beneath a bottom.

**423.37 Pivoted for lateral swinging; i.e., about vertical axis:**

This subclass is indented under subclass 423.19. Device wherein the rest is hinged to turn about a substantially vertical axis.

**423.38 Rectilinearly in vertical direction:**

This subclass is indented under subclass 423.19. Device wherein the rest is configured to move relative to the seating device along a straight line substantially perpendicular to a horizontal plane.

**423.39 Portable:**

This subclass is indented under subclass 423.1. Device wherein the rest includes structure configured to permit the rest to be moved from association with one seating device to association with another seating device, and which may be connected thereto.

SEE OR SEARCH CLASS:

2, Apparel, subclass 24 for a kneepad adapted to be worn on the person.

**423.4 Connectable to a chair or seat:**

This subclass is indented under subclass 423.39. Device wherein the rest includes a means for securing the rest to the seating device.

**423.41 Self-supported:**

This subclass is indented under subclass 423.39. Device wherein the rest unit is configured to independently support its own weight on a substantially horizontal surface; i.e., ground, floor.

SEE OR SEARCH THIS CLASS, SUBCLASS:

391+, for a padded stool capable of use as a footrest.

SEE OR SEARCH CLASS:

182, Fire Escape, Ladder, or Scaffold, subclass 129 for a worker's kneeling support combined with nonclass structure (e.g., receptacle), and subclass 230 for a worker's kneeling support, per se.

248, Supports, subclasses 127+ for a stand of general utility.

280, Land Vehicles, subclass 32.6 for repairman's creeper or wheeled workman's kneeler.

**423.42 Resiliently mounted:**

This subclass is indented under subclass 423.41. Device wherein the rest includes a spring for urging the rest to move toward a

direction opposite to the movement direction of the rest.

(1) Note. Movement of the rest may be obtained in response to the weight, pressure, or motion of an occupant imparted to the rest.

**423.43 Rocker type:**

This subclass is indented under subclass 423.41. Device wherein the rest includes a convexed ground-contacting member configured to permit the rest to rock back and forth.

**423.44 Adjustable to plural operative positions:**

This subclass is indented under subclass 423.41. Device in which the portable self-supported rest includes an adjustment means for setting the rest at different positions of use.

**423.45 Rectilinearly in vertical direction:**

This subclass is indented under subclass 423.44. Device in which the adjustment means is configured to permit the rest to move along a straight line which extends substantially perpendicular to a horizontal plane.

**423.46 Angularly:**

This subclass is indented under subclass 423.44. Device wherein the adjustment means is configured to permit the rest to be tilted at various angles relative to a substantially horizontal surface.

**440.1 HAVING DETACHABLY INTERFITTING PARTS OR COMPONENTS; I.E., KNOCKDOWN:**

This subclass is indented under the class definition. Device including two parts or components which are configured for interconnecting or interlocking with each other at a joint, and which may be moved relative to each other to selectively join or disjoin the parts or components, and wherein such joints are the sole connecting means to hold the two parts or components together.

SEE OR SEARCH THIS CLASS, SUBCLASS:

6 for a removable seat on an occupant-propelled walker.

7+, for a crib side removably connected to a seating device.

- 16.1+, for a collapsible chair wherein the components are so connected as to be movable relative to each other, but not removable from each other.
- 129 for a seating device which converts to a nonoccupant supporting device by removing a component and replacing it with another device or in a different relationship.
- 133 for a rocker detachable from a seat.
- 134 for a seat detachable from a subjacent table or stool.
- 153.1 for a table detachable from a chair arm.
- 411.26+, for an armrest detachably connected to a seating device by manipulated joint.

SEE OR SEARCH CLASS:

- 5, Beds, subclass 114 for a knockdown camp bed, subclass 285 for a knock-down and removable bed part, and subclasses 288+ for a bed corner fastening.
- 182, Fire Escape, Ladder, or Scaffold, subclass 151 for a kit of separable parts.
- 248, Supports, subclass 165 for a knock-down stand, subclasses 220.21+ for a bracket interlocked with its support by a manipulated joint.
- 403, Joints and Connections, appropriate subclasses for joints and connections in general.

**440.11 Detachable fabric component:**

This subclass is indented under subclass 440.1. Device wherein one of the parts or components is either: (1) made of a piece of flaccid cloth having a loop or sleeve for inserting or fitting into the other part or component to detachably hold them together; or (2) configured to detachably clamp or grip a piece of flaccid cloth.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 8 for a removable fabric crib side.
- 218.1+, for an upholstery cover detachably connected to a frame.
- 219.1+, for a detachable supplemental fabric cover having an attaching means for connecting the cover to a seating device.
- 452.13 for a flexible panel fixed to a frame.

SEE OR SEARCH CLASS:

- 5, Beds, subclasses 98.1+ for a fabric crib and subclass 122 for a fabric hammock.
- 108, Horizontally Supported Planar Surfaces, subclasses 153.1+ for a horizontally supported planar surface having separable components.
- 160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses for particular fastening means utilizing a manipulated joint.

**440.12 Sheet material folded to form a chair or seat:**

This subclass is indented under subclass 440.1. Device in which two components are formed from a piece of stiff or semirigid material such as cardboard, plastic, sheet metal, etc., wherein the piece includes hinge or score lines therein to allow the piece to be folded along the score or hinge lines to form a seating device.

**440.13 Slotted components normal to each other:**

This subclass is indented under subclass 440.1. Device wherein each of the components' joints contains a bifurcated portion, wherein the distance between two arms of one bifurcated portion of a component is equal to the thickness of the other component, and the joint is formed by moving the bifurcated portions of the components toward each other so that the arms of each bifurcated portion of one component straddle an apex of each bifurcated portion of the other component.

**440.14 Modular components:**

This subclass is indented under subclass 440.1. Device in which one component comprises a plurality of independent standardized elements which are configured to be interconnected to form the complete component, and wherein the elements are configured to be relatively interchangeable with one another for various different structural constructions or for flexible arrangements.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 248 for coupling means that join independent seats to each other.

**440.15 Interfitted back and bottom or back frame and bottom frame:**

This subclass is indented under subclass 440.1. Device including a back or a frame on which the back is mounted, and a bottom or a frame on which the bottom is mounted, wherein the back or back frame includes structure configured to detachably join with a connection means of the bottom or bottom frame.

**440.16 Including a substantially upright post slidably inserted into an elongated recess:**

This subclass is indented under subclass 440.15. Device in which one of the back or bottom, or one of the back frame or bottom frame, includes a substantially vertical extending elongated element which is received within a comparably sized aperture located in the other of said back or bottom, or in the other of said back frame or bottom frame.

**440.17 One-piece back and arm:**

This subclass is indented under subclass 440.15. Device including an arm-rest made of one-piece construction with the back (or back frame) of a seating device.

**440.18 One-piece back and leg:**

This subclass is indented under subclass 440.15. Device including a leg made of one-piece construction with the back (or back frame) of a seating device.

**440.19 Front leg:**

This subclass is indented under subclass 440.18. Device wherein the leg is a front leg of the seating device.

**440.2 Interfitted back and back frame:**

This subclass is indented under subclass 440.1. Device including a back and a frame on which the back is mounted, wherein the back includes structure configured to detachably closely join with a connection means of the back frame.

**440.21 Including a substantially upright post slidably inserted into an elongated recess:**

This subclass is indented under subclass 440.2. Device in which one of the back or back frame includes a substantially vertical extending elongated element which is received within a comparably sized aperture located in the other of said back or back frame.

**440.22 Interfitted bottom and bottom frame:**

This subclass is indented under subclass 440.1. Device including a bottom and a frame on which the bottom is mounted, wherein the bottom includes structure configured to detachably closely join with a connection means of the bottom frame.

**440.23 Front, rear legs, and armrest form a unit detachable from bottom or back:**

This subclass is indented under subclass 440.1. Device including an armrest and a front and rear leg which together form a complete unit detachably connected to a bottom or back of a seating device.

SEE OR SEARCH THIS CLASS, SUBCLASS:

411.23+, for a portable armrest configured to be attached to various seating devices, subclasses 411.26+ for detachable armrest designed for a particular seating device.

**440.24 Telescoping hollow parts or components:**

This subclass is indented under subclass 440.1. Device wherein the interfitted parts include interfitting hollow members configured to be inserted into one another to detachably closely join the parts together.

**445.1 BOTTOM, BACK AND LEG, I.E., CHAIR:**

This subclass is indented under the class definition. Device comprising a supporting surface for receiving the buttocks or posterior of an occupant combined with a surface for engaging and supporting the back of an occupant and having means for spacing and supporting said surfaces relative to the ground or floor.

**446.1 Back or back standard integral with leg:**

This subclass is indented under subclass 445.1. Device wherein the back or the structure on which the back is mounted and a leg are of one-piece construction.

**446.2 Integral with plural rear legs:**

This subclass is indented under subclass 446.1. Device wherein the one-piece construction comprises more than one rear leg.

**447.1 Front leg:**

This subclass is indented under subclass 446.1. Device wherein the one-piece construction includes a front leg.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

294 for a resilient back and front leg of one-piece construction.

**447.2 Integral with plural front legs:**

This subclass is indented under subclass 447.1. Device wherein the one-piece construction includes more than one front leg.

**447.3 And forms lateral sides of bottom:**

This subclass is indented under subclass 447.1. Device comprising a continuous member which extends forwardly from the bottom portion of the back member to the upper portion of the front leg and between which the seat is supported.

**447.4 Legs interbraced between bottom and ground:**

This subclass is indented under subclass 446.1. Device wherein the legs are strengthened by a strut which is connected to the legs at a point intermediate the ends of the legs.

**448.1 Front leg integral with rear leg:**

This subclass is indented under subclass 445.1. Device wherein the front and rear legs are of one-piece construction.

**448.2 Extends along ground surface:**

This subclass is indented under subclass 448.1. Device wherein the one-piece construction includes a length that lies upon the supporting surface (e.g., floor or ground).

**449.1 Interbraced bottom, back and leg:**

This subclass is indented under subclass 445.1. Device wherein either a single strengthening strut or stay is connected to each of the bottom, back and legs, or the bottom, back and legs are strengthened by a plurality of struts or stays which are connected to each other.

SEE OR SEARCH CLASS:

5, Beds, subclasses 305+ for a braced bedstead.

248, Supports, subclass 440 for an inter-braced support surface and legs.

**450.1 Back or bottom connected at lateral side to end support:**

This subclass is indented under subclass 445.1. Device wherein the back or bottom is secured to a side member positioned laterally thereof.

**451.1 Back standard secured below or to underside of bottom:**

This subclass is indented under subclass 445.1. Device wherein the back support is connected to the chair in a plane lower than the bottom or is connected to the underportion of the bottom.

**451.11 Plastic material:**

This subclass is indented under subclass 445.1. Device wherein the chair is made of synthetic type stock (e.g., resins, polymers, fiberglass, etc.).

**451.12 Integral bottom, back and legs:**

This subclass is indented under subclass 451.11. Device in which the plastic material which forms the chair is of one-piece construction.

**451.13 Hollow component:**

This subclass is indented under subclass 451.11. Device in which the plastic element which forms the chair includes a cavity or space therein.

**451.2 Three support legs only:**

This subclass is indented under subclass 445.1. Device in which the seat bottom is supported on three legs.

**451.3 Two support legs only:**

This subclass is indented under subclass 445.1. Device in which two legs extend between the seat bottom and the ground surface.

**451.4 Single non-moving support leg:**

This subclass is indented under subclass 445.1. Device in which the seat is supported by only one leg in such a manner that the seat is not movable relative thereto (e.g., rotatable, vertically adjustable etc.).



**451.5 Cylindrical leg:**

This subclass is indented under subclass 451.4. Device wherein the support leg has a circular cross section.

**451.6 Having diameter equal to that of bottom:**

This subclass is indented under subclass 451.5. Device wherein the support leg together with the seat bottom are in the shape of a cylinder and have the same cross-sectional shape.

**451.7 Resilient bottom and leg:**

This subclass is indented under subclass 445.1. Device wherein the bottom and leg together form a resilient frame which deforms under load and returns to its original shape upon release of the load.

**451.8 Modular component:**

This subclass is indented under subclass 445.1. Device which is formed of components joined together and wherein some of the components are identical in shape and size.

**451.9 Woven material (e.g., cane or basket chair):**

This subclass is indented under subclass 445.1. Device which is made of intermeshed strips of cane or similar material.

**452.1 BOTTOM OR BACK:**

This subclass is indented under the class definition. Device including a seating device having structure configured to support or engage a back or buttocks of a seated occupant.

- (1) Note. A surface for supporting the buttocks of an occupant has been denominated in this schedule as a "bottom", and a surface for supporting a back of an occupant has been denominated a "back".

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 14+, for a bottom and back connected to and storable in a wall or partition in nonuse position.  
 92+, for a combined bottom and back which interchange and reverse their respective functions.  
 219.1+, for a detachably supplemental pad having a means for connecting the pad to a seating device.

230.1+, for an auxiliary back supported on or from another seat or seat component.

234+, for an auxiliary bottom supported on or from another seat or seat component.

252 for an auxiliary seat having a bottom and back with means for attaching the device to a bleacher seat or the like.

253 for an auxiliary bottom and back secured in position by means insertable in the crevice between the primary bottom and back.

254+, for an auxiliary back with means for connecting it to a primary back.

283.1+, for a bottom or back having a changeable or renewable support surface.

284.1+, for a bottom or back having means to alter its contour.

285+, for a back having means to resiliently support it in operative position.

311+, for a bottom having means to move or permit movement relative to its supporting structure.

353+, for a back having means to move or permit movement relative to supporting structure.

354.1+, for a back having means to tilt or permit tilting.

391+, for a padded stool used to support an occupant in a seated position.

445.1+, for the combination of a bottom, back, and leg.

SEE OR SEARCH CLASS:

- 5, Beds, subclasses 652+ for a cushion.  
 52, Static Structures (e.g., Buildings), appropriate subclasses for a panel of more general utility even though defined or disclosed as being a component of a chair or seat, particularly subclasses 782+ for a composite panel with a disparate edge or stiffening member.  
 108, Horizontally Supported Planar Surfaces, appropriate subclasses for a horizontally supported planar surface of general utility.  
 160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses as the generic loci for a flexible panel.  
 182, Fire Escape, Ladder, or Scaffold, subclass 135 for a seat attachable to a tree or utility pole, subclass 230 for a

workman"s kneeling base which may function as a bottom.

- 267, Spring Devices, subclasses 80+ for a spring panel of general utility as for a bottom, back, or cushion.

**452.11 Directly connected bottom and back:**

This subclass is indented under subclass 452.1. Device wherein the seating device includes either: (1) a bottom and a back which are made of one-piece construction, or (2) a back having a lower edge joined immediately to a rear edge of a bottom.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 285+, for a back resiliently held in operative position.  
 325+, for a bottom and back joined together and tiltable as a unit.  
 352 for a back having means to detachably connect it to a horizontal supporting surface and see the notes thereto for other detachable backs.  
 440.15+, for a bottom and back interconnected by a detachable joint.

**452.12 One-piece panel:**

This subclass is indented under subclass 452.11. Device wherein the bottom and back are integral; i.e., made of a continuous length of material.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 93 for an interchangeable and reversible one-piece bottom and back.  
 299 for a fabric one-piece bottom and back resiliently supported in operative position.  
 351 for a laterally folding one-piece fabric bottom and back.  
 440.11 for a one-piece flexible bottom and back detachably connected to other components of a seat by a detachable joint.

**452.13 Flexible panel fixed to a frame (e.g., fabric, elastomeric sheet, etc.):**

This subclass is indented under subclass 452.12. Device wherein the panel is made of a flaccid material and configured to be permanently attached to a skeletal structure of the bottom or back.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 440.11 for a seating device having a detachable fabric component.

**452.14 Rigid or semirigid plastic panel:**

This subclass is indented under subclass 452.12. Device wherein the panel is a stiff panel made of a material formed of synthetic-type stock; e.g., resins, polymers, nylon, fiberglass, etc.

**452.15 Including means to provide or enhance resiliency: (e.g., slits, grooves, etc.):**

This subclass is indented under subclass 452.14. Device wherein the panel includes a means to allow or improve flexing of the panel.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 452.54 for a cushioned bottom or back with a spring integrally formed with a frame.

**452.16 Interconnected cushions for bottom and back:**

This subclass is indented under subclass 452.11. Device wherein the bottom and back each includes cushioning material, and wherein the bottom cushion and back cushion are continuously formed or coupled together.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 219.1+, for flexible pad having means to detachably connect the pad to a seating device.

**452.17 Continuous cushioning material (e.g., one-piece cushion, bean bag):**

This subclass is indented under subclass 452.16. Device wherein the bottom cushion and back cushion are either (a) continuously formed from one single piece of cushioning material, or (b) formed of a plurality of discrete particles of material that together provide a cushion support for the bottom and back of a seated occupant.

**452.18 Framework:**

This subclass is indented under subclass 452.1. Device wherein significance is attributed to a skeletal base structure configured to underlie

and support a bottom or back of the seating device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

440.1+, for detachably interfitted parts or components of a seating device.

452.56 for a support panel that supports a cushion.

**452.19 Continuous bottom and back frame:**

This subclass is indented under subclass 452.18. Device wherein the skeletal base structure includes a support member having a length extending downwardly from an upper portion of the back and forwardly to a front portion of the bottom of the seating device.

**452.2 Having elongated hollow member (e.g., tubular, etc.):**

This subclass is indented under subclass 452.18. Device wherein the skeletal base structure includes support members formed from hollow elongated elements.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

440.24 for telescoping hollowed parts or components of a seating device.

**452.21 Contoured bottom:**

This subclass is indented under subclass 452.1. Device having a bottom shaped to substantially conform with the shape or curvature of buttocks of a seated occupant.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

284.1+, for a bottom having means to change its contour.

452.29+, for a contoured back.

**452.22 Planar bottom with a central recess:**

This subclass is indented under subclass 452.21. Device in which the bottom comprises a substantially planar surface having a depression or indentation located substantially at a center of the bottom.

**452.23 Laterally extending contour:**

This subclass is indented under subclass 452.21. Device wherein the bottom includes a contoured surface configured to extend from

one lateral edge to another lateral edge of the bottom.

**452.24 Contoured rigid base:**

Device under 452.23 wherein the contoured surface is made of hard material; e.g., wood, rigid plastic, metal, etc.

**452.25 Including symmetrical thigh-support portions:**

This subclass is indented under subclass 452.24. Device in which the contoured bottom includes substantially similar spaced areas configured to support the thighs of a seated occupant.

**452.26 Preshaped foam pad:**

This subclass is indented under subclass 452.23. Device in which the bottom is a pre-shaped contoured surface made of cushioning material; e.g., foam rubber.

(1) Note. A cushion of uniform thickness placed over a rigid contoured base is found in subclass 452.24.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

219.1+, for detachable supplemental pad having means for connecting the pad to a seating device.

**452.27 Different densities of foam:**

This subclass is indented under subclass 452.26. Device in which the preshaped contoured pad comprises two layers or areas made of different types of foams; i.e., foams having different hardness or resiliency.

**452.28 Custom fitted for a particular occupant:**

This subclass is indented under subclass 452.23. Device wherein the contoured bottom is particularly shaped to conform with the exact dimensions, contours, or comfort of a particular individual's buttocks.

SEE OR SEARCH CLASS:

264, Plastic and Nonmetallic Article Shaping or Treating: Processes, for a method of shaping an article to the body of a person.

**452.29 Contoured back:**

This subclass is indented under subclass 452.1. Device including a back configured to substantially conform with the shape or curvature of a back of a seated occupant.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

230.1+, for a contoured supplemental back.  
284.1+, for a back having means for changing its contour.  
411.41 for an armrest extending from a back.  
452.21+, for a contoured bottom.  
464+, and 486, for a body retainer comprising movable wings extending forwardly from the side edges of a back.

**452.3 For lower back; i.e., lumbar region:**

This subclass is indented under subclass 452.29. Device wherein the back of the seating device is curved to provide specific support for a lower portion of a back of a seated occupant.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

284.4+, for an adjustable lumbar support.

**452.31 Rigid or semirigid preshaped panel:**

This subclass is indented under subclass 452.3. Device wherein the contoured lower back support is made of a material that is substantially nonyielding or that yields to a slight degree.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

230.12 for a supplemental back which includes a rigid panel.

**452.32 Preshaped cushioning material:**

This subclass is indented under subclass 452.3. Device wherein the lower back support is a preshaped contoured surface made of cushioning material.

(1) Note. A cushion of uniform thickness placed over a rigid or semirigid contoured base is found in subclass 452.31.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

219.1+, for detachable supplemental pad having means for connecting the pad to a seating device.

**452.33 Laterally extending contour:**

This subclass is indented under subclass 452.29. Device wherein the back includes a contoured surface configured to extend from one lateral edge to another lateral edge of the back of the seating device.

**452.34 Including a projected side member:**

This subclass is indented under subclass 452.33. Device including a member configured to protrude from a lateral side edge of the back to an extent so as to provide substantial lateral support for a seated occupant.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

284.9 for adjustable lateral supports.

**452.35 Preshaped cushioning material:**

This subclass is indented under subclass 452.34. Device wherein the contoured surface is preshaped and made of resilient cushioning material.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

219.1+, for detachable supplemental pad having means for connecting the pad to a seating device.

**452.36 Rigid or semirigid preshaped panel:**

This subclass is indented under subclass 452.34. Device wherein the contoured back is preshaped and made of material that is substantially nonyielding or that yields to a slight degree.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

230.12 for a supplemental back which includes a rigid panel.

**452.37 Having varying density foam:**

This subclass is indented under subclass 452.29. Device in which the contoured back comprises two layers or areas made of different types of foam material; i.e., foams having different degrees of hardness.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

452.29 for a contoured bottom including foam of different densities.

**452.38 Having a trim panel:**

This subclass is indented under subclass 452.1. Device including an auxiliary member which is mounted to the bottom or back for concealing various fastening means or for aesthetic appearance.

**452.39 Cantilevered bottom or back:**

This subclass is indented under subclass 452.1. Device wherein the bottom or back is attached to an upright support surface; e.g., wall, upright panel, etc., and extends outwardly therefrom.

**452.4 Having a laterally adjustable dimension:**

This subclass is indented under subclass 452.1. Device wherein the bottom or back includes a means for permitting the bottom or back to expand or contract in lateral directions.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
233+, for plural related seats which may shift laterally to effect the number of seats available for use.

**452.41 Having fluent material:**

This subclass is indented under subclass 452.1. Device wherein the bottom or back includes a flowable medium; e.g., water, gas, air, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
284.3 and 284.6, for seats with readily adjustable fluid containing portions.

**452.42 Including a ventilating means:**

This subclass is indented under subclass 452.1. Device wherein the back or bottom includes a means to facilitate circulation of air to provide ventilation for a seated occupant.

SEE OR SEARCH THIS CLASS, SUBCLASS:  
136+, for a seat with means to transfer heat primarily to or from a seat or its occupant, or means to treat the seat as by fume, smoke, or the like. See the search notes to subclass 136 for the line with other classes.  
180.1+, for a seat with means to force or propel air circulation.

SEE OR SEARCH CLASS:

5, Beds, subclasses 652.1+ for a ventilated cushion and subclasses 724+ for a ventilated mattress.

**452.43 Supplemental ventilating pad:**

This subclass is indented under subclass 452.42. Device wherein the ventilating means is located on or within a cushion configured to rest on an occupant-supporting surface of the bottom or back of the seating device.

SEE OR SEARCH THIS CLASS, SUBCLASS:

219.1+, for detachable supplemental nonventilating pad having means to connect the pad to a seating device.

**452.44 Wire spring element between pads" layers:**

This subclass is indented under subclass 452.43. Device including a convoluted spring wire located intermediate a top layer and a bottom layer of the pad.

**452.45 Projecting elements:**

This subclass is indented under subclass 452.43. Device including protruding members attached to or continuously formed with an inner surface of the pad and which serves to space a top layer from a bottom layer of the pad.

**452.46 Apertures in primary bottom or back:**

This subclass is indented under subclass 452.42. Device wherein the back or bottom is a primary back or bottom and the ventilating means are holes in the primary bottom or back of the seating device.

**452.47 Aperture in upholstery:**

This subclass is indented under subclass 452.46. Device wherein the primary bottom or back of the seating device includes covering material; e.g., a cover, padding, etc., wherein the holes are formed in the covering material of the primary bottom or back.

**452.48 Cushioned:**

This subclass is indented under subclass 452.1. Device in which the bottom or back includes a padding material such as foam, fabric, cotton, felt, etc., for absorbing shock and providing comfort to a seated occupant.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

219.1+, for flexible pad having means to detachably connect the pad to a seating device.

SEE OR SEARCH CLASS:

5, Beds, subclasses 652+ for a cushion.  
29, Metal Working, subclasses 91+ for an upholstery making apparatus or process.

**452.49 Including a support spring:**

This subclass is indented under subclass 452.48. Device wherein the cushioned bottom or back includes a resilient spring element.

SEE OR SEARCH CLASS:

5, Beds, subclasses 230+ for a bed bottom comprising fabrics and spring; subclasses 246+ for a bed bottom comprising springs.  
267, Spring Devices, subclasses 80+ for a spring panel and see (2) Note of subclass 80.

**452.5 Coil compression spring:**

This subclass is indented under subclass 452.49. Device in which the resilient spring element is in the form of a compressible wire having at least two revolutions which extend upwardly in a vertical direction to exert a bias force to a seating surface of the bottom or back.

**452.51 Encapsulated by cushion:**

This subclass is indented under subclass 452.5. Device in which the coil compression spring element is embedded inside the cushioning material.

**452.52 Noncoil wire spring (e.g., linear or sinuous wires, etc.):**

This subclass is indented under subclass 452.49. Device in which the spring element is made of metal that has been drawn into a very long thin thread or rod that is usually circular in cross section, and wherein the spring element is in the form of a straight or meandering tension or torque-type wire.

**452.53 Encapsulated by cushion:**

This subclass is indented under subclass 452.52. Device wherein the noncoil wire spring is embedded internally in the cushioning material.

**452.54 Spring integral with frame of bottom or back:**

This subclass is indented under subclass 452.49. Device in which the resilient spring element and a supporting frame of the bottom or back are made of one-piece construction (e.g., a spring and a frame integrally formed of molded plastic, etc.).

SEE OR SEARCH THIS CLASS, SUB-CLASS:

452.15 for a one-piece plastic bottom and back panel having slits or grooves to enhance the resiliency.

**452.55 Including a support panel (e.g., pan-type seat, etc.):**

This subclass is indented under subclass 452.48. Device in which the cushioned bottom or back includes a platform or continuous surface made of rigid or flexible material of uniform thickness.

**452.56 Flexible panel (e.g., fabric or elastomeric sheet, web):**

This subclass is indented under subclass 452.55. Device wherein the support panel is made of pliant or flaccid material; e.g., woven, elastic, rubberized stock, etc., in panel or web form to allow bending or flexing.

**452.57 Encapsulated panel:**

This subclass is indented under subclass 452.55. Device in which the support panel is embedded internally in the cushioning material of the bottom or back.

**452.58 Having a fixed cover:**

This subclass is indented under subclass 452.48. Device in which the cushioned bottom or back includes a cover which is bonded or permanently attached to either: 1) the cushioning material of the bottom or back, or 2) to a framework that supports the cushioned bottom or back.

SEE OR SEARCH THIS CLASS, SUB-CLASS:  
218.1+, for a primary upholstery cover that is detachably secured to a support.

**452.59 Fastened to a support framework:**

This subclass is indented under subclass 452.58. Device in which the cover is permanently attached to the framework of the cushioned bottom or back by a fastening means; e.g., staples, hog-rings, tacks, etc.

**452.6 Including a fixing means extending through cushioning material:**

This subclass is indented under subclass 452.59. Device further including a binding means for securing the cover to a framework of the bottom or back, wherein the binding means is configured to penetrate through the cushioning material of the bottom or back, whereby the cover is secured at points other than points at its perimeter.

**452.61 Bonded to cushioning material:**

This subclass is indented under subclass 452.58. Device wherein the cover is permanently secured to the cushioning material by means of adhesive, heat welding, etc.

**452.62 Cover formed from a plurality of discrete sections:**

This subclass is indented under subclass 452.58. Device in which the cover is comprised of a number of distinct sections which together form an occupant-engaging surface.

**452.63 Made of individual elongated members extending across a support frame (e.g., webs, straps, slats, stringed beads, etc.):**

This subclass is indented under subclass 452.1. Device wherein the bottom or back is formed by a plurality of distinct elongated support elements which are arranged to be either: 1) spaced in parallel orientation or closely adjacent to each other, or 2) in a woven pattern.

SEE OR SEARCH THIS CLASS, SUB-CLASS:  
230.11 for a supplemental back having a flexible supporting surface which spans a framework.

**452.64 Intermeshed (e.g., crisscrossed, etc.):**

This subclass is indented under subclass 452.63. Device wherein the individual support elements are interwoven with each other in a crossing pattern.

**452.65 Rigid or semirigid hollow shell:**

This subclass is indented under subclass 452.1. Device wherein the bottom or back includes two separated layers made of material that is substantially nonyielding or that yields to a slight degree, wherein the layers are spaced from one another to form an internal space therebetween.

**461 PADDED STOOL:**

This subclass is indented under the class definition. Device comprising a generally horizontal supporting surface spaced from the floor or ground by a base, legs, or pedestal, said supporting surface including an upper load receiving area softened by a cushion, stuffing, or spring.

(1) Note. The presence of a chair adjunct (e.g., leg rest) categorizes the device as a chair or seat, and such devices are found in the appropriate superior subclasses.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

214 for a straddle seat with a cushioned top.

SEE OR SEARCH CLASS:

5, Beds, subclasses 652+ for a cushion of general utility.

248, Supports, subclasses 560+ for a resilient base.

**462 Hassock type:**

This subclass is indented under subclass 461. Device in which the spacing means comprises an enclosed framework with a completely encompassing skirt or upholstery cover.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

188.09+, for a seat having a receptacle directly under the seat.

## SEE OR SEARCH CLASS:

29, Metal Working, subclasses 91+ for an upholstery making apparatus or process.

**463.1 CHAIR HARDWARE (E.G., BRACKET, OPERATING LEVER, LEG EXTENSION, ETC.):**

This subclass is indented under the class definition. Device including members for mounting or aiding in the structural integrity of a chair or seat.

## SEE OR SEARCH CLASS:

16, Miscellaneous Hardware (e.g., Bushing, Carpet Fastener, Caster, Door Closer, Panel Hanger, Attachable or Adjunct Handle, Hinge, Window Sash Balance, etc.), subclasses 18+ for wheels, casters, or sliding shoes mounted for movably supporting furniture and other like objects.

114, Ships, subclass 363 for support for the body or foot of a user aboard a ship.

**463.2 MISCELLANEOUS:**

This subclass is indented under the class definition. Device which is not classifiable in any prior subclass.

**464 BODY OR OCCUPANT RESTRAINT OR CONFINEMENT:**

This subclass is indented under the class definition. Apparatus comprising means to immobilize, restrict the movement of, or to position the body of an occupant relative to a seating device, or to retain the body in a sitting position.

- (1) Note. A body or occupant restraint having an attaching means and disclosed as connecting the body or occupant restraint to a seating device is included in this and the indented subclasses.

## SEE OR SEARCH THIS CLASS, SUBCLASS:

391+, for headrest.

411.41 for an armrest extending from a back.

423.1+, for a rest for a knee, leg, or foot.

**465 Jacket, vest, or suit restraint:**

This subclass is indented under subclass 464. Apparatus comprising a clothinglike element or a garmentlike member having an attaching means adapted to be connected to a seating device; the garmentlike member being engageable with the upper torso of the body including the shoulders and the chest region such that the garmentlike member is provided with a pair of arm holes and a neck hole for the reception of the arms and the neck, respectively, of the body when the garmentlike member is in its body restraining condition relative to a seating device.

**466 Leg or arm restraint:**

This subclass is indented under subclass 464. Apparatus including means engageable with a limb of an occupant to prevent or restrict the movement of the limb of an occupant while seated in a seating device.

**467 Having crotch strap or post:**

This subclass is indented under subclass 464. Apparatus comprising either (a) a flexible band intended to pass between the legs of an occupant seated in a seating device so as to limit or prevent movement of the occupant's body relative to the seating device or (b) an upstanding, postlike member extending upwardly from the forward portion of a seating device and intended to be located between the legs of an occupant seated in the seating device so as to limit or prevent movement of the occupant's body relative to the seating device.

**468 Safety belt or harness, e.g., lap belt or shoulder harness:**

This subclass is indented under subclass 464. Apparatus comprising a flexible straplike member engageable with the body of an occupant.

- (1) Note. Mere, incidental attachment of the belt or harness device or accessories therefor to named, conventional vehicle body portions (e.g., the vehicle body or frame, center post, transmission tunnel, roof rail, floor pan, side panel, or vehicle seat) or the location of a portion of the belt or harness device relative to such named, conventional vehicle body portions will not exclude a document from



placement in this and the indented subclasses. In regard to the classification of a document between Class 297, subclasses 468+ and Class 280, subclasses 801.1+, classification in Class 280, subclasses 801.1+ is proper where a safety belt or harness device is combined with significant land vehicle structure. Such significant vehicle structure may include such examples as (a) the vehicle structure has been specifically modified in some way to accommodate the belt or harness device, (b) the vehicle structure operationally cooperates with the belt or harness device (i.e., the folding of the front seat back moves the belt system to allow occupant access to the rear seat of the vehicle or the belt or harness device relies upon the opening or closing of a vehicle door for its operation), or (c) where the belt or harness device is combined with other extraneous vehicle structure (e.g., a door or a portion thereof, a door opening, seating arrangements peculiar to a vehicle, a vehicle brake or bumper, a windshield, a dashboard, or a rocker panel).

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

275 for a baby jumper with a belt or garment restrainer.

**SEE OR SEARCH CLASS:**

- 24, Buckles, Buttons, Clasps, etc., particularly subclasses 572+ for a device in the nature of a buckle for joining two straplike members.
- 119, Animal Husbandry, subclass 770 for tethering a human being, subclass 771 for a tether attached to a vehicle, and subclass 857 for a body- or appendage-encircling collar or band for a human being; see search notes of these subclasses for further field of search.
- 128, Surgery, appropriate subclasses for a device in the nature of a straplike member for restraining an occupant's body during surgical operations or for therapeutic procedures.
- 244, Aeronautics and Astronautics, subclass 122 for a seat and safety belt combined with significant aircraft

structure; subclass 151 for parachute harness.

280, Land Vehicles, subclass 733 for a vehicle, generally, provided with an inflatable passenger restraint device which inflates upon impact and which is in the nature of, or used in conjunction with, a belt or strap; and subclasses 801.1+ for a safety belt or harness device combined with significant land vehicle structure, and see (1) Note above.

441, Buoys, Rafts, and Aquatic Devices, subclasses 106+ for body harness used in buoyant devices.

**469 Passive restraint system:**

This subclass is indented under subclass 468. Apparatus wherein the straplike member is automatically movable from a seat entry position so as to provide the occupant easy entry into the seating device to an occupant restraining position without any deliberate or manipulative occupant effort upon the apparatus.

**470 With means to absorb energy of acceleration:**

This subclass is indented under subclass 468. Apparatus wherein the straplike member is provided with means to cushion, soften, or neutralize the shock or strain on the occupant's body as the occupant is forced against the restraint under sudden deceleration or impact conditions imposed upon a seating device or its supporting structure.

**SEE OR SEARCH CLASS:**

188, Brakes, subclasses 266+ for a fluid resistance brake or shock absorber of general utility.

**471 Deformable or stretchable element:**

This subclass is indented under subclass 470. Apparatus wherein the means to cushion, soften, or neutralize the shock or strain comprises either (a) at least a portion of the straplike member being formed from a stretchable material in which energy is absorbed during the stretching process or (b) an additional deformable means associated with the straplike member which absorbs energy during the change in the configuration of the deformable means.

- 472 Element is permanently deformed, i.e., one time use:**  
This subclass is indented under subclass 471. Apparatus in which the change in the configuration of the deformable means is permanent so that the deformable means can be utilized to perform its energy absorption only one time.
- 473 Belt or harness rides on seat connected slide:**  
This subclass is indented under subclass 468. Apparatus including a track or trolley fastened to a part of the seating device, and wherein the straplike member is attached to the track or trolley so as to permit the straplike member to move therealong.
- 474 Retractable:**  
This subclass is indented under subclass 468. Apparatus wherein the straplike member is connected to a take-up means to withdraw or take-up the straplike member to a stowed or out-of-way position.
- 475 Belt winds upon take-up reel:**  
This subclass is indented under subclass 474. Apparatus wherein the take-up means comprises a reel or drum device upon which the straplike member winds or unwinds.
- SEE OR SEARCH CLASS:  
242, Winding, Tensioning, or Guiding, subclasses 370+, 520+, and 550+ for a reeling device, winding or unwinding device for an elongated material of general use.
- 476 Having means to lock belt against further extension when in its occupant restraining position:**  
This subclass is indented under subclass 475. Apparatus including locking or clamping means to prevent further unwinding of the straplike member from the take-up reel, the locking or clamping means being operative either (a) during the act of placing the straplike member into the position of engagement about the body of the occupant or (b) during a sudden deceleration or unexpected motion condition imposed upon the seating device or its supporting structure after the straplike member has been located in the position of engagement about the body of the occupant of the seating device.
- 477 Electrically operated:**  
This subclass is indented under subclass 476. Apparatus wherein the locking or clamping means is provided with electrically controlled or operated means to actuate or release the locking or clamping means.
- 478 Inertia actuated:**  
This subclass is indented under subclass 476. Apparatus wherein the locking or clamping means is actuated by means responsive to a sudden deceleration, an impact condition, or any other sudden, unexpected motion condition imposed upon a seating device or its supporting structure.
- 479 Having means to lock belt against further extension when in its occupant restraining position:**  
This subclass is indented under subclass 474. Apparatus including locking or clamping means to prevent further protraction or extension of the straplike member from the take-up means, the locking or clamping means being operative either (a) during the act of placing the straplike member into the position of engagement about the body of the occupant, or (b) during a sudden deceleration or unexpected motion condition imposed upon the seating device or its supporting structure after the straplike member has been located in the position of engagement about the body of the occupant of the seating device.
- 480 Inertia responsive locking or tightening of belt or harness:**  
This subclass is indented under subclass 468. Apparatus wherein the straplike member allows at least some limited movement of the occupant's body relative to his seat while the straplike member is in the position of engagement about the occupant's body and includes means responsive to a sudden deceleration, an impact condition, or any other sudden, unexpected motion condition imposed upon the seating device or its supporting structure to either (a) lock the straplike member against protraction or extension thereof by the occupant's body as the occupant is forced against the straplike member so as to restrain the occupant to his seat or (b) tighten the straplike member by means of a take-up device about

- the occupant's body so as to restrain the occupant to his seat.
- 481 Having means for storage in nonuse position or in position to be handy for use:**  
This subclass is indented under subclass 468. Apparatus comprising (a) means to facilitate storage of the straplike member into an out-of-way position during times when the straplike member is not used to perform its restraint function or (b) means to locate the straplike member in a storage position such that an occupant can easily find and apply the straplike member in engagement with his body.
- 482 Belt or belt anchor covers:**  
This subclass is indented under subclass 468. Apparatus comprising (a) means for covering a portion of the straplike member or (b) boot or connector cover means for covering the juncture region at which the straplike member is connected to the seating device, to the surrounding structure supporting the seating device, or to a buckle means.
- 483 Shoulder belt or harness:**  
This subclass is indented under subclass 468. Apparatus wherein the straplike member has means engageable with a shoulder of the occupant.
- 484 Engageable with both shoulders of occupant:**  
This subclass is indented under subclass 483. Apparatus wherein the shoulder engageable means is engageable with both shoulders of the occupant simultaneously.
- 485 Having means providing easily releasable attachment to a chair or seat:**  
Apparatus under 468 wherein the straplike member is provided with means for attachment thereof to a seating device and the connection between the attaching means and the seating device is adapted to be easily attachable and releasable.
- 486 Shoulder restraint:**  
This subclass is indented under subclass 464. Apparatus comprising a safety guard means engageable with the shoulder of the occupant of a seating device.
- 487 Front guard or barrier:**  
This subclass is indented under subclass 464. Apparatus comprising an obstruction positionable directly before an occupant.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
5 for a walker or skater frame having an occupant guard.  
7+, for a seat with a removable or foldable crib side.  
254+, for an auxiliary bottom with an occupant guard.
- SEE OR SEARCH CLASS:  
5, Beds, subclasses 425+ for a side guard for a bed.
- 488 Padded or cushioned member:**  
This subclass is indented under subclass 487. Apparatus wherein the obstruction includes a soft yieldable means thereon for cushioning occupant impact upon the obstruction should a collision or sudden deceleration occur.
- CROSS-REFERENCE ART COLLECTIONS
- 900 CHAIR FOR SUNTANNING IN THE PRONE (I.E., FACEDOWN) POSITION:**  
This subclass is indented under the class definition. Device designed especially for suntanning by providing an opening in a body supporting member for reading, breathing, and the like when the user is in a prone position.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
452.1+, for a seat constructed to support an occupant's back and posterior, in particular subclass 452.13 which provides a device under the subclass definition, including a flexible panel fixed to a frame.
- SEE OR SEARCH CLASS:  
5, Beds, subclass 111 for cots characterized by sections so that they may be folded or collapsed into a flat bundle of a size determined by the sections, subclass 638 for support for a discrete portion of user to permit passage of air for breathing, and subclass 656 for

occupant support adapted for outdoor  
use.

END