

ECLA

EUROPEAN CLASSIFICATION

A47C

CHAIRS (seats specially adapted for vehicles [B60N2/00](#); [N: hunting stands, e.g. hunting seats [A01M31/02](#); seats adapted for angling, e.g. fisherman's seats [A01K97/22](#); bath seats [A47K3/12](#); shower seats [A47K3/28B1](#); chairs with toilet means [A47K11/04](#); seats for surgeons, dentists [A61B19/00J](#); chairs for disabled persons [A61G5/00](#); operating chairs, dental chairs, physiotherapeutic chairs, gynaecological chairs [A61G15/00](#); chairs with massage means [A61H1/00B4](#); ski-lift seats [B61B12/00B](#); rail vehicles seats [B61D33/00](#); vessel furniture, e.g. boat seats [B63B29/04](#); aircraft seats [B64D11/06](#)]; **SOFAS; BEDS** (upholstery in general [B68G](#); [N: beds specially adapted for nursing [A61G7/00](#); sleeping accommodation for caravans [B60P3/38](#), sleeping accommodation for rail vehicles [B61D31/00](#); sleeping accommodation for load-carrying vehicles [B62D33/06D](#); berths for vessels [B63B29/10](#)]) [C0710]

[N: **WARNING** [C2012.05]

The following IPC groups are not used in the internal ECLA classification scheme. Subject matter covered by these groups is classified in the following ECLA groups:

[A47C1/038](#) covered by [A47C 1/035B](#)
[A47C23/053](#) covered by [A47C23/05B](#), [A47C23/05B2](#), [A47C23/05B3](#)
]

Guide heading:

Chairs; Stools; Benches

A47C1/00

Chairs adapted for special purposes (features relating to vertical adjustability [A47C3/20](#); convertible chairs [A47C13/00](#); chairs or personal conveyances specially adapted for patients or disabled persons [A61G5/00](#); operating chairs, dental chairs [A61G15/00](#)) [C0705]

- A47C1/02 . Reclining or easy chairs (supports for parts of body [A47C7/36](#), [A47C7/50](#), [A47C7/54](#))
- A47C1/022 . . having independently-adjustable supporting parts
- A47C1/023 . . . the parts being horizontally-adjustable seats; [N: Expandable seats or the like, e.g. seats with horizontally adjustable parts]
- A47C1/024 . . . the parts, being the back-rest, or the back-rest and seat unit, having adjustable [N: and lockable] inclination [C1109]
- A47C1/024B [N: by electric motors] [C1109]
- A47C1/024C [N: by fluid means] [N1109]
- A47C1/024D [N: by means of screw-and-nut mechanism] [C1109]
- A47C1/024G [N: by chains, ropes or belts] [C1109]
- A47C1/025 by means of a [N: rack-and-pinion] or like gearing mechanism [C1109]
- A47C1/026 by means of peg-and-notch or [N: pawl-and-ratchet] mechanism [C1109]
- A47C1/026C [N: positioned under the arm-rests] [C1109]
- A47C1/027 by means of clamps or friction locking members
- A47C1/028 for changing a straight chair into an easy chair, [N: e.g. by inverting or tilting seat and back-rest in the base frame or by overturning the whole chair] [C1205]
- A47C1/029 by changing the length or the inclination of the legs [N: (varying the height of

- a seat by inclining the legs [A47C3/36](#)]
- A47C1/03 . . . the parts being arm-rests [N: (conversion into a bed [A47C17/12](#))]
 - A47C1/031 . . having coupled adjustable supporting parts
 - A47C1/032 . . . the parts being movably-coupled seat and back-rest ([A47C1/035](#) takes precedence)
 - A47C1/032A [N: having adjustable and lockable inclination] [C1109]
 - A47C1/032A2 [N: by electric motors] [C1109]
 - A47C1/032A3 [N: by fluid means] [N1109]
 - A47C1/032A4 [N: by means of screw-and-nut mechanism] [C1109]
 - A47C1/032A6 [N: by chains, ropes or belts] [N1109]
 - A47C1/032A10 [N: by means of a rack-and-pinion or like gearing mechanism] [N1109]
 - A47C1/032A12 [N: by means of peg-and-notch or pawl-and-ratchet mechanism] [N1109]
 - A47C1/032A12B [N: positioned under the arm-rests] [N1109]
 - A47C1/032A14 [N: by means of clamps or friction locking members] [N1109]
 - A47C1/032B [N: with a central column, e.g. rocking office chairs (seat and back-rest not movably coupled [A47C3/026](#))]
 - A47C1/032C [N: characterised by elastic means] [N1109]
 - A47C1/032C2 [N: with adjustable elasticity] [N1109]
 - A47C1/032C4 [N: with coil springs] [N1109]
 - A47C1/032C6 [N: with leaf springs] [N1109]
 - A47C1/032C8 [N: with fluid springs] [N1109]
 - A47C1/032C10 [N: with resilient blocks] [N1109]
 - A47C1/032F [N: slidably movable in the base frame, e.g. by rollers] [N0710] [C1205]
 - A47C1/033 the coupling member being a flexible strip
 - A47C1/034 . . . the parts including a leg-rest or foot-rest ([A47C1/037](#) takes precedence; [N: supports for the feet or the legs coupled to fixed parts of the chair [A47C7/50](#); independent foot-rests or leg-rests [A47C16/02](#)) [C0710]
 - A47C1/034F [N: in combination with movable backrest-seat unit or back-rest] [N0710]
 - A47C1/034F2 [N: characterised by foot-rests actuated by lazy-tongs] [N0710]
 - A47C1/034F4 [N: characterised by the backrest-seat unit or back-rest slidably movable in the base frame, e.g. by rollers] [N0710] [C1205]
 - A47C1/035 in combination with movably coupled seat and back-rest, [N: i.e. the seat and back-rest being movably coupled in such a way that the extension mechanism of the foot-rest is actuated at least by the relative movements of seat and backrest] [C0710]
 - A47C1/035D [N: characterised by coupled seat and back-rest slidably movable in the base frame. e.g. by rollers] [C1205]
 - A47C1/0355 actuated by linkages, e.g. lazy-tongs mechanisms [N1208]
 - A47C1/036 . . . the parts including a head-rest
 - A47C1/037 in combination with a leg-rest or foot-rest
 - A47C1/04 . . Hairdressers` or similar chairs, [N: e.g. beauty salon chairs] [C0705]
 - A47C1/06 . . adjustable [C1205]
 - A47C1/08 . . with auxiliary seats (insertable seats for children [A47C1/11](#)) [C1205]
 - A47C1/10 . . with head-rests; with paper holders [C1205]

- A47C1/11 . . Accessories not otherwise provided for, e.g. seats for children
- A47C1/12 . Theatre, auditorium, or similar chairs (seats [N: detachably mounted on] stadium benches [A47C1/16](#)) [C0901]
- A47C1/121 . . having tipping-up seats
- A47C1/122 . . . tipping-up sideways [N1012]
- A47C1/124 . . Separate chairs, connectible together into a row
- A47C1/126 . . stowable in floor or wall
- A47C1/13 . . Indicators; Devices for reserving or the like [N: (coin-free apparatus for seats or footstools [G07F17/08](#))] [C0005]
- A47C1/14 . Beach chairs; [N: Chairs for outdoor use, e.g. chairs for relaxation or sun-tanning][C0404]
- A47C1/14C . . [N: Chaise longues] [N0901]
- A47C1/14F . . [N: of legless type] [N0901]
- A47C1/16 . [N: Chairs or] seats detachably mounted on stadium benches (detachably mounted children`s chairs [A47D1/10](#))
- A47C3/00** **Chairs characterised by structural features; Chairs or stools with rotatable or vertically-adjustable seats ([A47C1/00](#), [A47C4/00](#) take precedence)**
- A47C3/02 . Rocking chairs (specially for children [A47D13/10](#))
- A47C3/021 . . having elastic frames
- A47C3/023 . . . made of tubular material
- A47C3/025 . . with seat, or seat and back-rest unit elastically [N: or pivotally] mounted in a rigid [N: base] frame [C1205]
- A47C3/025A . . . [N: connected only by an elastic member positioned between seat and base frame] [C1205]
- A47C3/025C . . . [N: pivotally mounted in the base frame, e.g. swings] [N1204]
- A47C3/025E . . . [N: slidingly movable in the base frame, e.g. by rollers] [N1204]
- A47C3/026 . . . with central column, e.g. rocking office chairs ; Tilting chairs [C1205]
- A47C3/027 . . . with curved rocking members between seat and [N: base] frame [C1205]
- A47C3/029 . . with curved rocking members resting on the floor
- A47C3/03 . . Locking members ([A47C3/027](#) takes precedence)
- A47C3/04 . Stackable chairs; Nesting chairs
- A47C3/04B . . [N: with tipping-up seats]
- A47C3/12 . with shell-shape seat and back-rest unit, e.g. having arm rests [C1205]
- A47C3/14 . of asymmetrical shape
- A47C3/16 . of legless type, e.g. with seat directly resting on the floor ([A47C3/14](#) takes precedence; detachably mounted on stadium benches [A47C1/16](#); children's chairs mounted on back-rest of chair [A47D1/10](#), [N: legless beach chairs [A47C1/14F](#); inflatable chairs [A7C4/54](#)]); Hassocks; Pouffes [C0901]
- A47C3/18 . Chairs or stools with rotatable seat (adjustable in height by rotation [A47C3/24](#))

- A47C3/18B
 - . . [N: self-returning to the original position] [N1201]
- A47C3/20
 - . Chairs or stools with vertically-adjustable seats (tables with variable height [A47B9/00](#); [N: locking of telescopic systems in general [F16B7/10](#)])
- A47C3/22
 - . . with balancing device, e.g. by spring, by weight
- A47C3/24
 - . . with vertical spindle
- A47C3/24B
 - . . . [N: resiliently supported]
- A47C3/26
 - . . with vertical, [N: or inclined] toothed rack; [N: with peg-and-notch mechanism] [C0703]
- A47C3/26G
 - . . . [N: with rack-and-pinion gearing] [N0703]
- A47C3/28
 - . . with clamps acting on vertical rods
- A47C3/28B
 - . . . [N: with radially expansible clamping elements telescopically engaged in a tube or the like]
- A47C3/30
 - . . with vertically-acting fluid cylinder
- A47C3/32
 - . . with flexible height-adjusting means, e.g. rope, chain
- A47C3/34
 - . . with pins coacting with holes [N: or bolt-and-nut adjustment]
- A47C3/36
 - . . with means, or adapted, for inclining the legs of the chair or stool for varying height of seat
- A47C3/38
 - . . with additional seat or additional legs for varying height of seat [C1205]
- A47C3/40
 - . . Telescopic guides

- A47C4/00**
Foldable, collapsible or dismountable chairs (of tubular metal type [A47C5/10](#); children`s foldable chairs [A47D1/02](#))

- A47C4/02
 - . Dismountable chairs
- A47C4/02C
 - . . [N: connected by slotted joints] [N1109]
- A47C4/02D
 - . . [N: connected by bars or wires] [N1109]
- A47C4/02H
 - . . [N: having integral back-rest and rear leg] [N1109]
- A47C4/02J
 - . . [N: having integral back-rest and front leg] [N1109]
- A47C4/02L
 - . . [N: having integral seat and rear leg] [N1109]
- A47C4/02U
 - . . [N: Upholstered chairs, e.g. metal, plastic or wooden chairs] [N1109]
- A47C4/03
 - . . Non-upholstered [N: chairs, e.g. metal, plastic or] wooden chairs [C1109]

- A47C4/04
 - . Folding chairs with inflexible seats
- A47C4/04D
 - . . [N: foldable side to side only] [N1204]
- A47C4/06
 - . . Attachment of upholstery or fabric to frames (in general [A47C31/02](#))
- A47C4/08
 - . . having a frame made of wood or plastics
- A47C4/10
 - . . . with legs pivotably connected to seat or underframe
- A47C4/12
 - of adjustable type ([A47C4/14](#) takes precedence)
- A47C4/14
 - with cross legs
- A47C4/16
 - of adjustable type
- A47C4/18
 - . . having a frame made of metal
- A47C4/20
 - . . . with legs pivotably connected to seat or underframe
- A47C4/22
 - of adjustable type ([A47C4/24](#) takes precedence)

- A47C4/24 with cross legs
- A47C4/26 of adjustable type
- A47C4/28 . Folding chairs with flexible coverings for the seat or back elements
- A47C4/28D . . [N: foldable side to side only] [N1204]
- A47C4/28E . . [N: foldable side to side and front to back, e.g. umbrella type] [N1201]
- A47C4/30 . . Attachment of upholstery or fabric to frames (in general [A47C31/02](#))
- A47C4/32 . . having a frame made of wood or plastics
- A47C4/34 . . . with legs pivotably connected to seat or underframe
- A47C4/36 of adjustable type ([A47C4/38](#) takes precedence)
- A47C4/38 with cross legs
- A47C4/40 of adjustable type
- A47C4/42 . . having a frame made of metal
- A47C4/44 . . . with legs pivotably connected to seat or underframe
- A47C4/46 of adjustable type ([A47C4/48](#) takes precedence)
- A47C4/48 with cross legs
- A47C4/50 of adjustable type
- A47C4/52 . Trunk chairs, i.e. chairs collapsible to [N: self contained carrying case, e.g.] trunk shape ([trunk tables A47B3/10](#)) [C1205]
- A47C4/54 . inflatable chairs ([connection of valves to inflatable elastic bodies B60C29/00](#))
- A47C5/00 Chairs of special materials**
- A47C5/00C . [N: of paper, cardboard or similar pliable material] [N0001] [C1205]
- A47C5/02 . [N: of woven material, e.g.] basket chairs [C1201]
- A47C5/04 . Metal chairs, e.g. tubular (of rocking type [A47C3/023](#); of non-tubular folding, collapsible, or dismountable type [A47C4/00](#))
- A47C5/04A . . [N: of tubular non-circular cross-section] [C1205]
- A47C5/04B . . [N: of non-tubular cross-section] [C1205]
- A47C5/06 . . Special adaptation of seat upholstery or fabric for attachment to tubular chairs
- A47C5/08 . . Tubular chairs having sheathed tubes; Adaptation of sheathed tubes thereto [C1205]
- A47C5/10 . . Tubular chairs of foldable, collapsible, or dismountable type
- A47C5/12 . of plastics, with or without reinforcement
- A47C5/12F . . [N: completely made of foam material] [N0009] [C1205]
- A47C5/14 . characterised by the use of laminated wood
- A47C7/00 Parts, details, or accessories of chairs or stools ([attaching to floor A47B91/08](#))**
- A47C7/00B . [N: Chair or stool bases ([A47C3/20](#) takes precedence)] [C1109]

- A47C7/00B2 . . [N: for chairs or stools with central column, e.g. office chairs] [N1109]
- A47C7/00B4 . . [N: with castors] [N1109]
- A47C7/00B6 . . [N: for uneven surfaces] [N1109]

- A47C7/02 . . Seat parts (adaptation of seats to mounting in tubular chairs [A47C5/06](#); such parts not restricted to chairs [A47C23/00](#); removable upholstered units or cushions [A47C27/00](#))
- A47C7/02A . . [N: Detachable or loose seat cushions] [N0901]
- A47C7/02B . . [N: especially profiled for adaptation to body contour]
- A47C7/02C . . [N: with double seats] [N1109]
- A47C7/02E . . [N: Springs not otherwise provided for in A47C7/22 - A47C7/35] [N1204]
- A47C7/02E2 . . . [N: with elastomeric springs (A47C7/28A takes precedence)] [N1204]
- A47C7/02E4 . . . [N: with wooden springs, e.g. slated type] [N1204]
- A47C7/14 . . of adjustable shape; elastically mounted
- A47C7/16 . . Seats made of wooden, plastics, or metal sheet material; Panel seats
- A47C7/18 . . having foamed material included in cushioning part (foamed material mattresses [A47C27/14](#))

- A47C7/18D . . . [N: with a stiff, rigid support]
- A47C7/20 . . . with reinforcement [N: in the foam layer]
- A47C7/22 . . Straps or the like for [N: direct user support or for] carrying upholstery [C1205]
- A47C7/24 . . Upholstered seats ([A47C7/18](#) takes precedence)
- A47C7/26 . . . with reinforcement [N: of the external layer of the upholstery, e.g. vandal resistant] [C1205]

- A47C7/28 . . with tensioned springs, e.g. of flat type
- A47C7/28A . . . [N: with mesh-like supports, e.g. elastomeric membranes] [N0703] [C1205]
- A47C7/28B . . . [N: with metal strips or webs] [C1205]
- A47C7/28D . . . [N: with combinations of different types flat type tensioned springs] [C1205]
- A47C7/30 . . . with springs meandering in a flat plane
- A47C7/32 . . . with tensioned cords, e.g. of elastic type, in a flat plane [C1205]
- A47C7/34 . . with springs in compression, e.g. coiled
- A47C7/34C . . . [N: Edge stiffeners] [N1204]
- A47C7/34E . . . [N: of adjustable resilience] [N1204]
- A47C7/34F . . . [N: with means for connecting springs to each other or to seat frame] [N1204]
- A47C7/35 . . Combinations of different types of springs; Adjustable springs; Attachment of springs to other springs or to [N: the base] frame; [N: Springs for seat parts not provided for in other groups of this subclass] [N1012] [C1205]

- A47C7/36 . . Support for the head or the back
- A47C7/38 . . for the head [N: (adjustable coupled to reclining or easy chairs [A47C1/036](#); for operating or dental chairs [A61G15/00](#); for car seats [B60N2/48](#))] [C0901]
- A47C7/38A . . . [N: Detachable or loose head- or neck-supports, e.g. horse-shoe shaped (detachable head rests for cars [B60N2/48G](#))] [N0801] [C0901]
- A47C7/38C . . . [N: Detachable covers for headrests] [N9611] [C0901]
- A47C7/40 . . for the back
- A47C7/40B . . . [N: adjustable in height] [C1205]
- A47C7/40C . . . [N: with double backrests] [N1109]

- A47C7/40D . . . [N: of collapsible type] [N0901]
- A47C7/42 . . . of detachable [N: or loose] type [N: (detachable or loose back supports associated with beds [A47C20/02L](#))] [C0901]
- A47C7/42B [N: Supplementary back-rests to be positioned on a back-rest or the like] [C0901]
- A47C7/44 . . . with elastically-mounted [N: back-rest or backrest-seat unit in the base] frame [C1205]
- A47C7/44A [N: with adjustable elasticity] [N1109]
- A47C7/44D [N: with coil springs] [N1109]
- A47C7/44F [N: with leaf springs] [N1109]
- A47C7/44H [N: with fluid springs] [N1109]
- A47C7/44J [N: with resilient blocks] [N1109]
- A47C7/46 . . . with special, e.g. adjustable, [N: lumbar region support] profile; "Ackerblom" profile chairs [C1201]
- A47C7/46A [N: adjustable by mechanical means] [C1201]
- A47C7/46A2 [N: by pulling an elastic cable] [N9609] [C1201]
- A47C7/46B [N: adjustable by fluid means] [C1201]
- A47C7/48 . . . of freely-rotatable type

- A47C7/50 . Supports for the feet or the legs [N: coupled to fixed parts of the chair] (coupled to other adjustable parts [N: of the chair] [A47C1/034](#), [A47C1/037](#); [N: stand-alone rests or supports for the feet or the legs, e.g.] footstools [A47C16/02](#)) [C0802]
- A47C7/50C . . [N: with double foot-rests or leg-rests] [N1109]
- A47C7/50G . . [N: of adjustable type] [N0802]
- A47C7/52 . . of detachable type

- A47C7/54 . Supports for the arms
- A47C7/54C . . [N: movable to inoperative position] [N1109]
- A47C7/54D . . [N: of detachable type] [N1109]

- A47C7/56 . Parts or details of tipping-up chairs, e.g. of theatre chairs
- A47C7/56B . . [N: provided with a back-rest moving with the seat]
- A47C7/56D . . [N: Resiliently mounted seat or back-rest]
- A47C7/58 . . Hinges, e.g. for mounting chairs in a curved row (hinges for wings in general [E05D](#))
- A47C7/60 . . Use of locks or ledges for limiting the seat movement [N: (coin-freed apparatus for seats or footstools [G07F17/08](#))] [C0005]

- A47C7/62 . Accessories for chairs
- A47C7/64 . . Hat or coat holders
- A47C7/66 . . Means to protect against weather
- A47C7/68 . . Arm-rest tables; [N: or back-rest tables (suspended or hinged panels forming a table [A47B5/00](#)); Cup holders][C0403]
- A47C7/70 . . . of foldable [N: or detachable] type [C0207]
- A47C7/72 . . Adaptations for incorporating lamps, radio sets, bars, telephones, ventilation, heating or cooling arrangements or the like
- A47C7/72B . . . [N: for illumination, e.g. lamps] [N1204]

- A47C7/74 . . . for ventilation, heating or cooling [N: (actuated by rocking the chair [A47C3/02](#))]
- A47C7/74B [N: for ventilating or cooling ([A47C31/11H](#) takes precedence)] [N0004]
- A47C7/74B2 [N: with active means, e.g. by using air blowers or liquid pumps] [N0807]
- A47C7/74B4 [N: without active means, e.g. with openings or heat conductors] [N0807]
- A47C7/74H [N: for heating] [N0004]

A47C9/00

Stools for specified purposes (with rotatable seats [A47C3/18](#); with vertically adjustable seats [A47C3/20](#); footstools [A47C16/02](#); prayer stools [A47C16/04](#); platforms or seat-boxes specially adapted for angling [A01K97/22](#)) [N: other seating furniture for specified purposes [A47C15/00P](#)]

- A47C9/00B . [N: with exercising means or having special therapeutic or ergonomic effects]
- A47C9/00B2 . . [N: with forwardly inclined seat, e.g. with a knee-support]
- A47C9/00F . [N: High stools, e.g. bar stools (children's high chairs [A47D1/00](#))] [N0705]
- A47C9/02 . Office stools [N: not provided for in main groups [A47C1/00](#), [A47C3/00](#) or [A47C7/00](#)]; Workshop stools[C0404]
- A47C9/02B . . [N: movably mounted on a working-table or the like (for hairdressers [A47C1/08](#))]
- A47C9/02D . . [N: Stools for standing or leaning against, e.g. in a semi-standing or half-seated position]
- A47C9/02F . . [N: Stools for work at ground level]
- A47C9/04 . Milking stools
- A47C9/06 . Wall stools; [N: Stools hingedly mounted against the wall]
- A47C9/08 . Music stools
- A47C9/10 . Camp, travelling, or sports stools (walking sticks or umbrellas convertible into seats, hunting sticks [A45B5/00](#))
- A47C9/10D . . [N: having several foldable or detachable legs converging in one point] [C1201]

A47C11/00

Benches not otherwise provided for (school forms [A47B39/00](#))

- A47C11/00B . [N: having multiple separate seats] [N1109]
- A47C11/02 . Church benches; Confessionals

A47C12/00

Step-stools [N0607]

Notes

Folding or collapsing actions, of interest apart from any conversion between the step and seat functions, are classified in group [A47C4/00](#) [N0607]

- A47C12/02 . requiring conversion between the step and seat functions [N0607]

A47C13/00

Convertible chairs, stools, or benches (step-stools requiring conversion between the step and seat functions [A47C12/02](#); stretchers, for patients or disabled persons, convertible into chairs [A61G1/017](#)) [C0607]

- A47C13/00M . [N: Modular seating (chairs connectible into a row [A47C1/124](#))] [N9412]
- A47C15/00** **Other seating furniture** (school forms [A47B39/00](#))
- A47C15/00N . [N: Corner seating furniture, e.g. corner sofas (changing corner couches into double bed [A47C17/36](#))] [N0705] [C1208]
- A47C15/00P . [N: Seating furniture for specified purposes not covered by main groups [A47C1/00](#) or [A47C9/00](#)][N0404]
- A47C15/00P2 . . [N: Floating seats (floatable vessel furniture for life-saving B63C9/30)] [N0404] [C0705]
- A47C15/00P4 . . [N: for sexual intercourse] [N0705]
- A47C16/00** [N: Stand-alone] **rests or supports for feet, legs, arms, back or head** (associated with chairs [A47C7/00](#); associated with beds or sofas [A47C20/00](#)) [C0802]
- A47C16/00N . [N: Back-rests] [N0901] [C1205]
- A47C16/02 . Footstools; Foot-rests; Leg-rests [C1205]
- A47C16/02B . . [N: adjustable, swivelling, rocking]
- A47C16/04 . Prayer-stools; Kneeling stools; Kneeling supports (hassocks or pouffes [A47C3/16](#))

Guide heading:**Sofas; Beds****Note**

In groups [A47C17/00](#) to [A47C27/00](#), the following terms or expressions are used with the meaning indicated:

- "bedstead" is used only for the frame of a bed;
- "bed" includes bedsteads combined with spring mattresses, stuffed mattresses, or similar means to enable the lying of persons thereon;
- "spring mattresses" do not include any stuffed material;
- "stuffed mattresses" may include metal springs.

- A47C17/00** **Sofas; Couches; Beds** (bedsteads [19/00](#); spring mattresses [A47C23/00](#); divan bases [A47C23/00](#); stuffed mattresses [A47C27/00](#); beds with special provisions for nursing [A61G7/00](#))
- A47C17/02 . Sofas, couches, settees, or the like, without movable parts
- A47C17/04 . [N: Seating furniture, e.g.] sofas, couches, settees, or the like, with movable parts [changeable to beds]; Chair beds [C1205]
- A47C17/04B . . [N: Seating furniture having loose or by fabric hinge connected cushions changeable to beds] [C1205]
- A47C17/12 . . changeable to beds by tilting or extending the arm-rests
- A47C17/13 . . [N: Seating furniture having non-movable backrest] changeable [N: to beds] by increasing the available [N: seat] part, e.g. by drawing [N: seat cushion] forward

- C1205]
- A47C17/13B . . . [N: with multiple seat cushions] [C1205]
 - A47C17/13B2 [N: by lifting or tilting] [C1205]
 - A47C17/13D . . . [N: with a single seat cushion] [C1205]
 - A47C17/13D2 [N: by lifting or tilting] [C1205]
 - A47C17/14 . . changeable to beds by removing parts only
 - A47C17/16 . . [N: Seating furniture] changeable to beds by tilting or pivoting the back-rest [C1205]
 - A47C17/16C . . . [N: with back-rest made of multiple movable cushions] [C1205]
 - A47C17/16F . . . [N: with adjustable back-rest] [C1205]
 - A47C17/16G . . . [N: and a foot-rest] [C1205]
 - A47C17/16S . . . with forward tiltable back-rest, e.g. back cushion [N0611]
 - A47C17/16S5 [N: forming top surface of the bed with non-rotatable seat cushion] [N0611] [C1205]
 - A47C17/17 . . . with coupled movement of back-rest and seat [N0611]
 - A47C17/17S with tilting or lifting seat-back-rest pivot [N0611]
 - A47C17/17SG [N: by sliding, e.g. by rollers] [N0611] [C1205]
 - A47C17/17SL [N: by pivoted linkages] [N0611] [C1205]
 - A47C17/18 . . . and tilting or pivoting the arm-rest
 - A47C17/20 . . . thereby uncovering one or more auxiliary parts previously hidden ([A47C17/22 takes precedence](#))
 - A47C17/207 with seat cushion consisting of [N: multiple] superposed parts, at least one lower [N: hidden] part being used to form part of the [N: bed] surface [N0611] [C1205]
 - A47C17/207A [N: by sliding forward] [N0611] [C1205]
 - A47C17/207C [N: by lifting or tilting] [N0611] [C1205]
 - A47C17/213 the surface, when used for lying down [N: in a bed position], consisting of one side of the [N: seating furniture] seat frame and the back-rest frame [N0611] [C1205]
 - A47C17/22 . . [N: Seating furniture having non-movable back-rest changeable to beds] with means for uncovering a previously hidden mattress or similar bed part [C1205]
 - A47C17/22F . . . [N: with hidden separate full size mattress frame unfolded out of the base frame] [C1205]
 - A47C17/23 . . . the lying down [N: bed] surface partly consisting of one side of the seat [N0611] [C1205]
 - A47C17/24 . . . with only one movable part being tiltable about a horizontal axis
 - A47C17/26 tiltable to an overturned position
 - A47C17/28 having means to lift the tilting axis
 - A47C17/30 . . . two or more parts being rotatable about a vertical axis
 - A47C17/32 . . Changing a single bed into a double bed by extending, pivoting, or tilting a previously hidden second mattress or other bed part
 - A47C17/34 . . Joining seats, chairs, or couches to form beds
 - A47C17/36 . . . Changing corner couches into a double bed
 - A47C17/37 . . Changing sofas or the like into beds by means of furniture other than seats or chairs
 - A47C17/38 . Wall beds [C1205]

- A47C17/40 . . . having balancing members, e.g. weights, springs
- A47C17/42 . . . having supporting legs with fixed position on the floor, e.g. attached thereto
- A47C17/44 . . . having means on the supporting legs facilitating the removal of the bed from its place [C1205]
- A47C17/46 . . . characterised by a rigid mattress-supporting member [C1205]
- A47C17/48 . . . characterised by two or more relatively-movable [N: mattress-support] parts [C1205]
- A47C17/50 . . . characterised by their shape, e.g. multiple-wall beds [C1205]
- A47C17/52 . . . Cabinet beds; Table beds, or like beds; Wardrobe beds
- A47C17/54 . . . in which the cabinet or the like is tilted with the bed
- A47C17/56 . . . pivotable on both horizontal and vertical axis
- A47C17/58 . . . with extensible mattress support
- A47C17/60 . . . the cabinet being essentially changed in shape in sleeping position of the bed
- A47C17/62 . . . Table beds; Billard table beds, or like beds [N: (convertible tables [A47B85/06](#))]
- A47C17/64 . . . Travelling or camp beds (adjusting members for rests [A47C20/00](#); travelling or camp sacks or packs convertible into beds or mattresses [A45F4/06](#); stretchers [A61G1/00](#))
- A47C17/64B . . . [N: dismountable] [N1109]
- A47C17/66 . . . having specially-adapted body-carrying surfaces
- A47C17/68 . . . only the legs being foldable
- A47C17/70 . . . the bed frame being foldable about a horizontal axis
- A47C17/70B [N: with detachable legs] [C1201]
- A47C17/72 having cross legs ([A47C17/82](#) takes precedence)
- A47C17/74 . . . the bed being foldable about a vertical axis
- A47C17/76 . . . having extensible, e.g. telescopic parts
- A47C17/78 . . . held in shape by stressed cords
- A47C17/80 . . . adapted to be used in or connected to vehicles
- A47C17/82 . . . Trunk beds; Travelling-case or like beds
- A47C17/84 . . . Suspended beds, e.g. suspended from ceiling ([hammocks A45F3/22](#))
- A47C17/86 . . . Parts or details for beds, sofas or couches only not fully covered in a single one of the sub-groups [A47C17/02](#), [A47C17/04](#), [A47C17/38](#), [A47C17/52](#), [A47C17/64](#), or [A47C17/84](#); [N: Drawers in or under beds]
- A47C19/00** **Bedsteads** (spring mattresses with rigid frame or forming part of the bedstead [A47C23/00](#); bed jointing members or fittings for bedsteads [F16B](#))
- A47C19/00A . . . [N: dismountable] [N1109]
- A47C19/02 . . . Parts or details of bedsteads not fully covered in a single one of the following sub-groups, e.g. bed rails, post rails
- A47C19/02B [N: Bedstead frames]
- A47C19/02B2 [N: Head or foot boards]
- A47C19/02B3 [N: Legs] [N1109]

- A47C19/02B4 . . . [N: Direct mattress support frames, Cross-bars] [C1109]
- A47C19/02B4B [N: with means for preventing frame from sagging] [N1109]
- A47C19/02D . . [N: for joining separate bedsteads] [N1109]
- A47C19/04 . Extensible bedsteads, e.g. with adjustment of length, width, height (for children`s beds [A47D7/00](#))
- A47C19/04B . . [N: with entire frame height or inclination adjustments] [N1109]
- A47C19/12 . Folding bedsteads (travelling or camp beds [A47C17/64](#))
- A47C19/12B . . [N: foldable head to foot only] [C1205]
- A47C19/12C . . [N: foldable side to side only] [N1109] [C1205]
- A47C19/12E . . [N: foldable side to side and head to foot, e.g. umbrella type] [N1109] [C1205]
- A47C19/12G . . [N: only legs being foldable] [N1109]
- A47C19/14 . . of the lazy-tongs type
- A47C19/20 . Multi-stage bedsteads; [N: e.g. bunk beds] (multiple-wall beds [A47C17/50](#); suspended beds [A47C17/84](#)); Bedsteads stackable to multi-stage bedsteads [C1205]
- A47C19/20B . . [N: Stacking or nesting bedsteads]
- A47C19/20D . . [N: convertible, e.g. from single bed or sofa] [C1205]
- A47C19/20F . . [N: Mezzanine beds] [N1201]
- A47C19/22 . Combinations of bedsteads with other furniture or with accessories, e.g. with bedside cabinets (bed-tables [A47B23/00](#); [N: bedside cabinets [A47B79/00](#)])
- A47C20/00** **Head -, foot -, or like rests for beds, sofas or the like** (book rests or bed tables [A47B23/00](#); bed-rests specially adapted for nursing [A61G7/065](#)) [C9911]
- A47C20/02 . of detachable [N: or loose] type ([A47C20/04](#), [A47C20/08](#) take precedence; [N: for chairs [A47C7/00](#); pillows [A47G9/10](#)]) [C0812]
- A47C20/02D . . [N: Foot or leg supports] [N0801] [C0812]
- A47C20/02D2 . . . [N: for preventing the user from slipping down] [N0801] [C0812]
- A47C20/02F . . [N: Arm supports] [N0812]
- A47C20/02H . . [N: Supports specially adapted for pregnant women] [N0812]
- A47C20/02J . . [N: Supports for lying in a prone position ([A47C20/02H](#) takes precedence)] [N0812]
- A47C20/02L . . [N: Back supports, e.g. for sitting in bed] [N0812]
- A47C20/02L2 . . . [N: with a table attached thereto] [N0812]
- A47C20/04 . with adjustable inclination ([A47C20/08](#) takes precedence)
- A47C20/04A . . [N: by electric motors] [C1109]
- A47C20/04B . . [N: by means of screw-and-nut mechanism] [C1109]
- A47C20/04C . . [N: by means of peg-and-notch or pawl-and-ratchet mechanism] [C1109]
- A47C20/04C1 . . . [N: urged into an operative or non-operative position at an end of stretch] [N9412] [C1109]
- A47C20/04E . . [N: by means of a rack-and-pinion or like gearing mechanism] [C1109]
- A47C20/04F . . [N: by friction locking means] [C1109]
- A47C20/04G . . [N: by fluid means] [N1109]

- A47C20/06
 - . . the adjustable part immobilising foldable legs
- A47C20/08
 - . with means for adjusting two or more rests simultaneously [C1109]
- A47C20/10
 - . . using rods
- A47C20/12
 - . . . using telescopic rods
- A47C20/14
 - . . using plate and catch
- A47C20/16
 - . . using toothed parts, e.g. racks
- A47C20/18
 - . . using friction gearing
- A47C21/00**

Attachments for beds, e.g. sheet holders, bed-cover holders (bed tables supported on the bedstead [A47B23/02](#); for children`s beds [N: [A47D7/00](#)], [A47D15/00](#)); Ventilating, cooling or heating means in connection with bedsteads or mattresses
- A47C21/00B
 - . [N: Lighting, radio, telephone or the like connected to the bedstead]
- A47C21/00D
 - . [N: Oscillating, balancing or vibrating mechanisms connected to the bedstead (for children`s beds [A47D9/02](#))]
- A47C21/02
 - . [N: Holders for loose bed elements, e.g.] sheet holders; bed cover holders [C1201]
- A47C21/02A
 - . . [N: Sheet holders; Bed cover holders] [N1109]
- A47C21/02A2
 - . . . [N: for holding bed covers above the body of the user (bed-clothes supports to alleviate the weight of the bed-clothes on the patient [A61G7/05B](#))] [N1109]
- A47C21/02B
 - . . [N: Pillow holders; Mattress holders]
- A47C21/02D
 - . . [N: Holders for facilitating making the bed] [C1201]
- A47C21/04
 - . Devices for ventilating, cooling or heating
- A47C21/04B
 - . . [N: for ventilating or cooling ([A47C21/02D](#) and [A47C27/00T10](#) take precedence)] [C0807]
- A47C21/04B2
 - . . . [N: with active means, e.g. by using air blowers or liquid pumps] [N0806] [C0807]
- A47C21/04B4
 - . . . [N: without active means, e.g. with openings or heat conductors] [N0806] [C0807]
- A47C21/04H
 - . . [N: for heating] [N0004]
- A47C21/06
 - . Mattress underlays [N: (mattress tickings or covers [A47C27/00T](#))] [C0806]
- A47C21/08
 - . Devices for prevention against falling-out, e.g. detachable sidewalls (for children`s beds [A47D7/00](#))
- A47C23/00**

Spring mattresses with rigid frame or forming part of the bedstead; Divan bases; [N: Slatted bed bases] (unframed spring units [A47C25/00](#); spring units forming part of stuffed mattresses [A47C27/00](#)) [C0001]
- A47C23/00A
 - . [N: with separate support elements, e.g. elastomeric springs arranged in a two-dimensional matrix pattern] [N0001] [C1205]
- A47C23/00D
 - . [N: foldable or dismountable] [C1101]
- A47C23/00G
 - . [N: Edge stiffeners (for chair seats [A47C7/34B1](#); for stuffed mattresses [A47C27/06](#))]

- A47C23/02 . using leaf springs, e.g. metal strips ([wooden springs A47C23/06](#)) [N1012]
- A47C23/04 . using springs in compression, e.g. coiled
- A47C23/043 . . using wound springs [N1012]
- A47C23/043B . . . [N: supporting a flat board or strip] [N1012]
- A47C23/043C . . . [N: of different resilience] [N1012]
- A47C23/043D . . . [N: of adjustable resilience] [N1012]
- A47C23/043E . . . [N: made from a single wire] [N1012]
- A47C23/043F . . . [N: of special shape] [N1012]
- A47C23/047 . . incorporating inflatable elements [N1012]
- A47C23/05 . . Frames therefor; Connecting the springs to the frame; [N: Interconnection of springs, e.g. in spring units] [C1012]
- A47C23/05B . . . [N: using tensioned spiral springs] [C1012]
- A47C23/05D . . . [N: using clamps or similar connecting means] [N1012]
- A47C23/05F . . . [N: using metal wires] [N1012]
- A47C23/055 . . . using cords; using textile or rubber bands [N1012]
- A47C23/057 . . . Hangers or supports for fastening spring units to frame [N1012]
- A47C23/06 . using wooden springs, e.g. of slat type; [N: Slatted bed bases] [C9611]
- A47C23/06B . . [N: Slat structures] [C1205]
- A47C23/06C . . [N: Slat supports] [N9611] [C1205]
- A47C23/06C2 . . . [N: by elastic means, e.g. coil springs] [N1204]
- A47C23/06C2D [N: by elastomeric springs] [N1204]
- A47C23/06C4 . . . [N: by fluid means] [N1204]
- A47C23/06C6 . . . [N: by chains, ropes or belts] [N1204]
- A47C23/06C8 . . . [N: adjustable, e.g. in height or elasticity] [N1204]
- A47C23/06C10 . . . [N: with additional supports between the ends of the slats] [N1204]
- A47C23/12 . using tensioned springs, e.g. flat type ([A47C23/02 takes precedence](#)) [C1201]
- A47C23/12B . . [N: using vertically mounted tension springs]
- A47C23/14 . . forming nets; combined with nets
- A47C23/145 . . . with horizontal interlocking wound springs; Attachment thereof to the frame [N1012]
- A47C23/15 . . . with braided or crossed flat springs or cords; with horizontal wound springs ([A47C23/145 takes precedence](#)) [N1012]
- A47C23/155 . . . with combinations of flat springs or link chains with wound spring [N1012]
- A47C23/16 . . of plane meandering type
- A47C23/18 . . of resilient webbing [C1012]
- A47C23/20 . . of resilient sheet form [C1012]
- A47C23/22 . . of tensioned rubber cords or like cords [C1012]
- A47C23/24 . . using tensioned textile or other non-resilient strips
- A47C23/26 . . Frames therefor; Connecting the springs to the frame
- A47C23/28 . . Tensioning devices therefor

- A47C23/30 . using combinations of springs covered by more than one of the groups [A47C23/04](#), [A47C23/06](#) and [A47C23/12](#); Frames therefor [C1201]
- A47C23/32 . . Combinations of nets with springs in compression; Frames therefor
- A47C23/34 . with provisions for giving extra support for the head or the legs
- A47C25/00** **Unframed spring units**

[N: **WARNING**
This group and its subgroup are no longer used for classification of new documents as from October 1, 2012.
The backfile is being continuously reclassified to groups [A47C23/00](#), [A47C27/06](#) and subgroups thereof. [N1208]
]
- A47C25/02 . without additional connecting means between the springs
- A47C27/00** **Stuffed or fluid mattresses specially adapted for chairs, beds or sofas**(arrangements for preventing bed-sores or for supporting patients with burns, e.g. mattresses specially adapted therefor, [A61G7/057](#); ready-made upholstery pads in general [B68G5/00](#); making mattresses [B68G7/00](#)) [C0703]
- A47C27/00B . [N: with several cushions, mattresses or the like, to be put together in one cover]
- A47C27/00T . [N: Mattress tickings or covers (bed cover holders [A47C21/02](#); mattress hand-straps [A47C31/08](#); bed linen or counterpanes [A47G9/02B](#))] [N0703] [C0807]
- A47C27/00T3 . . [N: having edge welts or rolls] [N0703] [C0806]
- A47C27/00T8 . . [N: liquid-impermeable] [N0806]
- A47C27/00T8D . . . [N: breathable] [N0806]
- A47C27/00T10 . . [N: permeable to liquid or air in a special way ([A47C27/00T8D](#) takes precedence)] [N0806]
- A47C27/00T12 . . [N: protecting against wear or damage] [N0806]
- A47C27/04 . with spring inlays ([A47C27/20](#) takes precedence)
- A47C27/045 . . Attachment of spring inlays to coverings (upholstery attaching means [A47C31/02](#)); Use of stiffening sheets, lattices or grids [N: in, on, or] under spring inlays [N0703]
- A47C27/045A . . . [N: Attachment of spring inlays to outer layers] [N0703]
- A47C27/045B . . . [N: Use of stiffening sheets, lattices or grids in, on, or under, spring inlays] [N0703]
- A47C27/05 . . with [N: padding material, e.g.] foamed material, in top, bottom, or side layers [C0703]
- A47C27/05F . . . [N: with only one layer of foamed material] [N0703] [C1012]
- A47C27/05L . . . [N: with different layers of foamed material] [N0703] [C1012]
- A47C27/06 . . Spring inlays
- A47C27/06A . . . [N: of adjustable resiliency] [C1012]
- A47C27/06B . . . [N: of different resiliencies] [C1012]
- A47C27/06D . . . [N: wrapped or otherwise protected] [C1012]
- A47C27/06D1 [N: Pocketed springs] [N0703]

- A47C27/06F . . . [N: of special shape] [C1012]
- A47C27/06G . . . [N: Edge stiffeners] [C1012]
- A47C27/06P . . . [N: of plane meandering type] [C1012]
- A47C27/06R . . . [N: made from a single wire] [C1012]
- A47C27/07 . . . Attaching, or interconnecting of, springs in spring inlays [N1012]

- A47C27/08 . [N: Fluid mattresses, e.g.] pneumatic mattresses, [N: Liquid mattresses or mattresses with fluid-like particles] (connecting valves to inflatable elastic bodies [B60C29/00](#)) [C1109]
- A47C27/08A . . [N: Pneumatic mattresses] [C1109]
- A47C27/08A4 . . . [N: with non-manual inflation, e.g. with electric pumps] [N1109] [C1201]
- A47C27/08A6 . . . [N: with pressure control, e.g. with pressure sensors] [N1109] [C1201]
- A47C27/08A8 . . . [N: self inflating] [N1109] [C1201]
- A47C27/08B . . [N: Liquid mattresses, e.g. filled with water or gel] [C1109]
- A47C27/08E . . [N: Fluid-like particles mattresses, e.g. filled with beads] [N1109]
- A47C27/08F . . [N: with means for connecting opposite sides of the mattress, e.g. internal ties or strips] [C1109]
- A47C27/08H . . [N: Fluid mattresses filled with elastic bodies, e.g. foam] [C1109]
- A47C27/10 . . with two or more independently-fillable chambers [C1201]

- A47C27/12 . with fibrous inlays, e.g. made of wool, of cotton
- A47C27/12A . . [N: with different kinds of inlays in one mattress]
- A47C27/12B . . [N: with special fibres, such as acrylic thread, coconut, horsehair]
- A47C27/12D . . [N: with feathers, down or similar inlays]
- A47C27/12F . . [N: Mattresses having upholstery inlays and a special profile, body support or the like]
- A47C27/12G . . [N: with reinforcement sheets, grids or the like]
- A47C27/12H . . [N: with inflatable elements]

- A47C27/14 . with foamed material inlays
- A47C27/14C . . [N: with projections, depressions or cavities] [N1012]
- A47C27/14C2 . . . [N: inside the mattress] [N1012]
- A47C27/14C4 . . . [N: on the outside surface of the mattress] [N1012]
- A47C27/14E . . [N: of different resilience] [N1012]
- A47C27/15 . . consisting of two or more layers ([A47C27/16](#) takes precedence) [N1012]
- A47C27/16 . . reinforced with sheet-like [N: or rigid] elements, e.g. profiled [C1012]
- A47C27/18 . . in combination with inflatable bodies
- A47C27/20 . . with springs moulded in, or situated in [N: cavities or] openings in foamed material [C1012]

- A47C27/22 . with both fibrous and foamed material inlays

- A47C29/00** **Nets for protection against insects in connection with chairs or beds** (insect nets for animals [A01K13/00](#); insect nets as travelling equipment [A45F3/52](#)); **Bed canopies**
- A47C29/00B . [N: Bed canopies]

A47C29/00D	. [N: Mosquito nets] [N1109]
A47C31/00	Details or accessories for chairs, beds, or the like, not provided for in other groups of this subclass, e.g. upholstery fasteners, mattress protectors, stretching devices for mattress nets [C0806]
A47C31/00B	. [N: Fireproof means] [N1109]
A47C31/00D	. [N: Anti-earthquake means] [N1109]
A47C31/00F	. [N: Magnets] [N1109]
A47C31/00H	. [N: Means for protecting against undesired influence, e.g. magnetic radiation or static electricity] [N1109]
A47C31/00J	. [N: Use of aromatic materials, e.g. herbs] [N1109]
A47C31/00L	. [N: Use of three-dimensional fabrics] [N1109]
A47C31/00M	. [N: Anti-mite, anti-allergen or anti-bacterial means] [N1201]
A47C31/00R	. [N: Use of remote controls] [N1201]
A47C31/02	. Upholstery attaching means (quilting, quilting means, fastening, fixing or finishing upholstery B68G7/00)
A47C31/02A	. . [N: connecting upholstery to frames, e.g. by hooks, clips, snap fasteners, clamping means or the like] [N9412] [C1205]
A47C31/02B	. . [N: passing through the upholstery, e.g. upholstery nails or buttons] [C1205]
A47C31/04	. . Clamps for attaching flat elastic strips or flat meandering springs to frames
A47C31/06	. . . for attaching flat meandering springs
A47C31/08	. Mattress hand-straps
A47C31/10	. Loose [N: or removable] furniture covers [C0703]
A47C31/10A	. . [N: for mattresses] [N1201]
A47C31/11	. . for chairs [N: (for headrests only A47C7/38C ; removable protective covers for car seats B60N2/60)] [N0806]
A47C31/11D	. . . [N: liquid-impermeable] [N0806]
A47C31/11H	. . . [N: permeable to liquid or air in a special way] [N0806]
A47C31/12	. Means, e.g. measuring means for adapting chairs, beds or mattresses to the shape or weight of persons (body measuring means for clothing manufacture A41H1/00)
A47C31/12A	. . [N: for beds or mattresses] [N1201]
A47C31/12C	. . [N: for chairs] [N0009] [C1201]