

SECTION A — HUMAN NECESSITIES

A47 FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL

Note(s)

In this class, the following term is used with the meaning indicated:

- "furniture" covers also easels or stands, e.g. for blackboards or drawing tables.

A47B TABLES; DESKS; OFFICE FURNITURE; CABINETS; DRAWERS; GENERAL DETAILS OF FURNITURE (jointing of furniture F16B 12/00)

Note(s)

In this subclass, the following terms are used with the meanings indicated:

- "tables" covers also tables or underframes therefor for other than domestic use;
- "cabinets" or "racks" cover also cabinets or racks for storage in general.

Subclass index

TABLES CHARACTERISED BY STRUCTURAL FEATURES

Extensible tables; folding or stowable tables; stackable tables.....	1/00, 3/00, 5/04, 7/02
Other tables.....	5/00-11/00
Details.....	13/00

TABLES OR DESKS CHARACTERISED BY ADAPTATION FOR PARTICULAR PURPOSE

For writing, reading or drawing purposes.....	17/00-23/00, 27/00
For computer workstations.....	21/00
For domestic use.....	29/00-35/00
Other tables.....	23/00, 25/00, 37/00

SCHOOL BENCHES OR DESKS.....

	39/00, 41/00
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CABINETS, RACKS, OR THE LIKE CHARACTERISED BY STRUCTURAL FEATURES

Of rigid construction.....	53/00, 55/00
Foldable, collapsible, or extensible cabinets, racks, or the like.....	43/00, 45/00, 47/00
With adjustable shelves or partitions.....	57/00
Other cabinets, racks, or the like.....	46/00, 49/00, 51/00, 53/00

CABINETS, RACKS, OR THE LIKE CHARACTERISED BY ADAPTATION FOR PARTICULAR PURPOSE

For books.....	63/00, 65/00
For kitchen use or for storing food or drink.....	71/00-77/00
Other cabinets, racks, or the like.....	61/00, 67/00, 69/00, 79/00, 81/00

FURNITURE COMBINATIONS.....

	83/00, 85/00, 87/00
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DETAILS OF FURNITURE.....

	88/00-96/00
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MISCELLANEOUS FURNITURE, MISCELLANEOUS ACCESSORIES FOR FURNITURE.....

	95/00, 97/00
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Tables or desks characterised by structural features

1/00	Extensible tables (extensible shelf units A47B 46/00)
1/02	• with insertable leaves and fixed frames
1/03	• • the leaves being foldable or revolvable
1/04	• with supplementary leaves or drop-leaves
1/05	• • the leaves being extensible by drawing-out
1/06	• with flexible roll-tops
1/08	• with extensible frames
1/10	• Slide mechanisms

3/00	Folding or stowable tables (folded and suspended or hinged, or wall tables A47B 5/04; with tops of variable height A47B 9/00; foldable service or tea tables A47B 31/04)
3/02	• with foldable cross legs (adjustable for varying height of tops A47B 9/16)
3/04	• with flexible roll-tops
3/06	• with separable parts
3/08	• with legs pivoted to top or underframe
3/083	• • with foldable top leaves
3/087	• • • with struts supporting the legs
3/091	• • with struts supporting the legs (in combination with foldable top leaves A47B 3/087)

A47B

- 3/10 • Travelling or trunk tables
- 3/12 • Stowable tables with detachable top leaves
- 3/14 • Foldable table and seat units

- 5/00** **Suspended or hinged panels forming a table; Wall tables** (bed tables A47B 23/00; in combination with other furniture A47B 83/00; arm-rest tables for chairs A47C)
 - 5/02 • detachable
 - 5/04 • foldable
 - 5/06 • with legs for supporting the table on the floor

- 7/00** **Tables of rigid construction**
 - 7/02 • Stackable tables; Nesting tables

- 9/00** **Tables with tops of variable height** (seats with variable height A47C 3/20)
 - 9/02 • with balancing device, e.g. by spring, by weight
 - 9/04 • with vertical spindle
 - 9/06 • with vertical toothed rack
 - 9/08 • with clamps acting on vertical rods
 - 9/10 • with vertically-acting fluid cylinder
 - 9/12 • with flexible height-adjusting means, e.g. rope, chain
 - 9/14 • with pins coacting with holes
 - 9/16 • with means for, or adapted for, inclining the legs of the table for varying the height of the top, e.g. with adjustable cross legs
 - 9/18 • with additional top or additional legs for varying the height of the top
 - 9/20 • Telescopic guides

- 11/00** **Tables with tops revolvable on vertical spindles**

- 13/00** **Details of tables or desks** (drawers A47B 88/00; feet for furniture in general A47B 91/00)
 - 13/02 • Underframes
 - 13/04 • • of wood
 - 13/06 • • of metal
 - 13/08 • Table tops; Rims therefor (not restricted to table tops A47B 95/04)
 - 13/10 • • Tops characterised by shape, other than circular or rectangular
 - 13/12 • • Transparent tops
 - 13/14 • • Detachable serving plates
 - 13/16 • • Holders for glasses, ashtrays, lamps, candles or the like forming part of tables

Tables or desks characterised by adaptation for particular purposes

- 17/00** **Writing-tables** (A47B 21/00 takes precedence) [1, 2006.01]
 - 17/02 • with vertically-adjustable parts
 - 17/03 • with substantially horizontally extensible or adjustable parts other than drawers, e.g. leaves
 - 17/04 • with secret or fireproof compartments
 - 17/06 • with parts, e.g. trays, movable on a pivot or by chains or belts

- 19/00** **Reading-desks; Lecterns; Pulpits**
 - 19/02 • Church pulpits
 - 19/04 • Telephone desks, e.g. with book clamps, with shelves
 - 19/06 • with adjustable top leaf
 - 19/08 • Foldable reading desks

- 19/10 • characterised by association with auxiliary devices, e.g. paper clamps, line indicators (spot indicators per se B42D 9/00)

- 21/00** **Tables or desks specially adapted for use at individual computer workstations, e.g. for word processing or other manual data entry; Tables or desks specially adapted for typing; Auxiliary devices for attachment to such tables or desks** (mouse pads per se G06F 3/039) [1, 2006.01]
 - 21/007 • with under-desk displays, e.g. displays being viewable through a transparent working surface of the table or desk [2006.01]
 - 21/013 • characterised by adjustable parts, e.g. universally adjustable leaves, arm rests, wrist supports or mouse platforms (A47B 21/007 takes precedence) [2006.01]
 - 21/02 • • the parts being vertically-adjustable only [1, 2006.01]
 - 21/03 • • the parts being horizontally adjustable, e.g. extensible, only (drawers A47B 88/00) [1, 2006.01]
 - 21/04 • characterised by means for holding or fastening typewriters or computer equipment [1, 2006.01]
 - 21/06 • characterised by means for holding, fastening or concealing cables [2006.01]

- 23/00** **Bed-tables** (operating tables A61G 13/00); **Trays; Reading-racks; Book-rests**
 - 23/02 • releasably mounted on the bedstead
 - 23/04 • supported from table, floor or wall
 - 23/06 • characterised by association with auxiliary devices, e.g. line indicators, leaf turners, lampholders (spot indicators, leaf turners, per se B42D 9/00)

- 25/00** **Card tables; Tables for other games** (billiard tables A63D 15/00)

- 27/00** **Drawing desks or tables; Carriers for drawing-boards** (tables convertible to drawing desks A47B 85/02; easels or stands for blackboards or the like A47B 97/04; drawing-boards B43L 5/00)
 - 27/02 • Adjustable drawing tables without balancing means
 - 27/04 • Adjustable drawing-board carriers with balancing means for the board
 - 27/06 • • balancing by means of springs
 - 27/08 • • • with parallel-link guiding
 - 27/10 • • balancing by means of weights
 - 27/12 • • • with parallel-link guiding
 - 27/14 • Adjustable underframes
 - 27/16 • • hydraulically adjustable
 - 27/18 • Locking means, e.g. for locking inclination of board (A47B 27/14 takes precedence)

- 29/00** **Sewing-tables** (for industrial use D05B 75/00)

- 31/00** **Service or tea tables, trolleys, or wagons** (features relating to running gear or to movement by hand B62B)
 - 31/02 • with heating, cooling or ventilating means
 - 31/04 • foldable
 - 31/06 • adapted to the use in vehicles

- 33/00** **Kitchen or dish-washing tables**

- 35/00** **Tables combined with ironing-boards, washers, wringers, or the like** (washing machines, ironing boards, wringers per se D06F)

- 37/00 Tables adapted for other particular purposes** (flower tables A47G 7/04; operating tables A61G 13/00; laboratory tables B01L 9/02; work tables B25H 1/02)
- 37/02 • Tables specially adapted to be used with domestic photographic projectors, e.g. tables with levelling arrangements (tables with adjustable height A47B 9/00; tables with adjustable inclination of the top A47B 13/00, A47B 19/06, A47B 23/00, A47B 27/00)
- 37/04 • Tables specially adapted for use in the garden or otherwise in the open air, e.g. with means for holding umbrellas or umbrella-like sunshades

School benches or desks

- 39/00 School forms; Benches or forms combined with desks** (attaching to floor A47B 91/08)
- 39/02 • Adjustable forms
- 39/04 • Collapsible or tip-up forms
- 39/06 • Folding forms
- 39/08 • Seats or backs for forms
- 39/10 • Devices for holding pupils upright, i.e. body supports
- 39/12 • Equipment for forms not provided for in groups A47B 39/02-A47B 39/10
- 41/00 School desks or tables** (attaching to floor A47B 91/08)
- 41/02 • Desk tops
- 41/04 • Drawing or model stands
- 41/06 • Holders or supports for guiding copy-books, slates, or the like

Structural features of cabinets, racks, shelf units or similar furniture; Similar features of built-in cupboards [3]

- 43/00 Cabinets, racks or shelf units, characterised by features enabling folding of the cabinet or the like**
- 43/02 • made of cardboard or the like
- 43/04 • made of a rigid frame with walls or door-leaves of textile or the like
- 45/00 Cabinets, racks or shelf units, characterised by features enabling enlarging in height, length, or depth** (sectional furniture A47B 87/00)
- 46/00 Cabinets, racks or shelf units, having one or more surfaces adapted to be brought into position for use by extending or pivoting** (A47B 63/04, A47B 77/10 take precedence; writing tables with extensible leaves A47B 17/03, A47B 21/013; with extensible garment holders A47B 61/02)
- 47/00 Cabinets, racks or shelf units, characterised by features related to dismountability or building-up from elements** (A47B 43/00, A47B 45/00 take precedence; features for adjusting shelves or partitions A47B 57/00) [3]
- 47/02 • made of metal only [2]
- 47/03 • • with panels separate from the frame [2]
- 47/04 • made mainly of wood or plastics
- 47/05 • • with panels on a separate frame, e.g. a metal frame [2]
- 47/06 • made mainly of cardboard, textile, paper, or the like, e.g. with separate frame of other materials
- 49/00 Revolving cabinets or racks; Cabinets or racks with revolving parts**

- 51/00 Cabinets with means for moving compartments up and down**
- 53/00 Cabinets or racks having several sections one behind the other; Cabinet or rack systems** (revolving cabinets or racks A47B 49/00)
- 53/02 • Cabinet systems, e.g. consisting of cabinets arranged in a row with means to open or close passages between adjacent cabinets
- 55/00 Cabinets, racks or shelf units, having essential features of rigid construction** (safes E05G)
- 55/02 • made of wire
- 55/04 • made of concrete or the like
- 55/06 • made of cardboard, paper, or the like
- 57/00 Cabinets, racks or shelf units, characterised by features for adjusting shelves or partitions** (details of cabinets, racks or shelf units in general A47B 96/00; brackets adjustable in themselves A47B 96/07) [3]
- 57/04 • with means for adjusting the inclination of the shelves
- 57/06 • with means for adjusting the height of the shelves (A47B 57/04, A47B 57/30 take precedence) [3]
- 57/08 • • consisting of grooved or notched ledges, uprights or side walls
- 57/10 • • • the grooved or notched parts being the side walls or uprights themselves
- 57/12 • • consisting of side walls of the ladder type
- 57/14 • • • with hooks on the shelves to engage the rungs of the ladder
- 57/16 • • consisting of hooks coacting with openings (ladder type A47B 57/12)
- 57/18 • • consisting of screwbolts as connecting members
- 57/20 • • consisting of tongues, pins or similar projecting means coacting with openings (A47B 57/08, A47B 57/16 take precedence) [3]
- 57/22 • • • characterised by shape or orientation of opening, e.g. keyhole-shaped
- 57/26 • • consisting of clamping means, e.g. with sliding bolts or sliding wedges
- 57/30 • with means for adjusting the height of detachable shelf supports [3]
- 57/32 • • consisting of grooved or notched ledges, uprights or side walls [3]
- 57/34 • • • the grooved or notched parts being the side walls or uprights themselves [3]
- 57/36 • • consisting of side walls of the ladder type [3]
- 57/38 • • • with hooks on the shelf supports to engage the rungs of the ladder [3]
- 57/40 • • consisting of hooks coacting with openings (ladder type A47B 57/36) [3]
- 57/42 • • • the shelf supports being cantilever brackets [3]
- 57/44 • • consisting of screwbolts as connecting members [3]
- 57/46 • • • the shelf supports being cantilever brackets [3]
- 57/48 • • consisting of tongues, pins or similar projecting means coacting with openings (A47B 57/32, A47B 57/40 take precedence) [3]
- 57/50 • • • characterised by shape or orientation of opening, e.g. keyhole-shaped [3]
- 57/52 • • • the shelf supports being cantilever brackets [3]
- 57/54 • • consisting of clamping means, e.g. with sliding bolts or sliding wedges [3]
- 57/56 • • • the shelf supports being cantilever brackets [3]

A47B

- 57/58 • with means for adjusting partitions horizontally (book-ends A47B 65/00) [3]

Special adaptations of cabinets racks, shelf units or similar furniture; Similar features of built-in cupboards [2009.01]

61/00 Wardrobes

- 61/02 • with extensible garment-holders
- 61/04 • for shoes, hats, umbrellas, or the like
- 61/06 • Travelling or trunk wardrobes

63/00 Cabinets, racks or shelf units, specially adapted for storing books, documents, forms, or the like

- 63/02 • specially adapted for storing drawings or the like (filing of suspended drawings B42F 15/00)
- 63/04 • with a writing surface (surfaces adapted to be brought into position for use by extension or pivoting in general A47B 46/00)
- 63/06 • with parts, e.g. trays, movable on pivots, or on chains or belts (revolving cabinets in general, cabinets with revolving parts in general A47B 49/00; cabinets with means for moving compartments up and down in general A47B 51/00)

65/00 Book-troughs; Accessories specially adapted for book-storing, e.g. book-ends

67/00 Chests; Dressing-tables; Medicine cabinets or the like; Cabinets characterised by the arrangement of drawers

- 67/02 • Cabinets for shaving tackle, medicines, or the like
- 67/04 • Chests of drawers; Cabinets characterised by the arrangement of drawers (A47B 67/02 takes precedence; drawers, guides for drawers, per se A47B 88/00)

69/00 Cocktail cabinets (cabinets or racks for bottles only A47B 73/00)

71/00 Cabinets for perishable goods, e.g. meat safes, fly-proof cabinets (fruit or potato storage cabinets, racks or trays A47B 75/00; ice-boxes, refrigerators F25D)

73/00 Bottle cupboards; Bottle racks

75/00 Fruit or potato storage cabinets, racks or trays for domestic use

77/00 Kitchen cabinets (tops specially designed for working on A47B 96/18)

- 77/02 • General layout, e.g. relative arrangement of compartments, working surface or surfaces, supports for apparatus (A47B 77/08 takes precedence)
- 77/04 • Provision for particular uses of compartments or other parts
- 77/06 • • for incorporating sinks, with or without draining boards, splash-backs, or the like (constructional features of draining boards A47L 19/02; sinks E03C 1/18)
- 77/08 • • for incorporating apparatus operated by power, including water power; for incorporating apparatus for cooking, cooling, or laundry purposes
- 77/10 • • with members movable outwards to a position of use, e.g. tables, ironing boards (A47B 77/16 takes precedence; surfaces adapted to be brought into position for use by extension or pivoting in general A47B 46/00)
- 77/12 • • • for attachment of portable kitchen machines

- 77/14 • • by incorporation of racks or supports, other than shelves, for household utensils

- 77/16 • • by adaptation of compartments or drawers for receiving or holding foodstuffs; by provision of rotatable or extendible containers for foodstuffs

- 77/18 • • by special arrangements for accommodating removable containers

79/00 Bedside cabinets

81/00 Cabinets, racks or shelf units specially adapted for other particular purposes, e.g. for storing guns or skis (racks for dispensing merchandise A47F 1/00; showcases or show cabinets A47F 3/00; racks specially adapted for workshops B25H 3/04; peculiar to housing recording apparatus or records therefor G11B 33/02; peculiar to housing electrical apparatus or installations H05K)

- 81/02 • specially adapted for storing cleaning utensils
- 81/04 • specially adapted for storing dishware
- 81/06 • Furniture aspects of radio, television, gramophone, or record cabinets

Combined or convertible furniture [5]

83/00 Combinations comprising two or more pieces of furniture of different kinds (foldable table and seat units A47B 3/14)

- 83/02 • Tables combined with seats
- 83/04 • Tables combined with other pieces of furniture

85/00 Furniture convertible into other kinds of furniture (convertible chairs, stools or benches A47C 13/00; into beds A47C 17/52; into billiard tables A63D 15/04)

- 85/02 • Tables convertible into drawing-desks
- 85/04 • Tables convertible into chairs
- 85/06 • Tables convertible otherwise
- 85/08 • Convertible cupboards

87/00 Sectional furniture, i.e. combinations of complete furniture units

- 87/02 • stackable [3]

88/00 Drawers for tables, cabinets or like furniture; Guides for drawers (A47B 63/02 takes precedence; drawers coupled to doors A47B 96/16)

- 88/02 • Coupled drawers
- 88/04 • Sliding drawers; Slides or guides therefor
- 88/06 • • Drawers which can be rotated while or after sliding out
- 88/08 • • with double extensible guides or parts
- 88/10 • • • with rollers, ball bearings, wheels, or the like
- 88/12 • • with other guiding mechanisms
- 88/14 • • • with rollers, ball bearings, wheels, or the like
- 88/16 • • with devices to prevent complete withdrawal
- 88/18 • Drawers tiltably or pivotally arranged
- 88/20 • Drawers with compartments
- 88/22 • Concealed drawers

91/00 Feet for furniture in general (castors B60B 33/00)

- 91/02 • Adjustable feet (self-levelling A47B 91/16)
- 91/04 • Elastic supports
- 91/06 • Gliders or the like
- 91/08 • connected to the floor
- 91/10 • • adapted to mounting on inclined floor

- 91/12 • Leg supports, e.g. cup-shaped
- 91/14 • Devices on legs preventing ascent of insects
- 91/16 • Self-levelling legs
- 95/00 Fittings for furniture**
- 95/02 • Handles
- 95/04 • Keyplates; Ornaments or the like (rims specially adapted for table tops A47B 13/08; keyplates in general E05B 17/14)
- 96/00 Details of cabinets, racks or shelf units not covered by a single one of groups A47B 43/00-A47B 95/00; General details of furniture (doors E06B)**
- 96/02 • Shelves (movable shelves coupled to doors A47B 96/16)
- 96/04 • Partition walls
- 96/06 • Brackets or similar supporting means for cabinets, racks or shelves (aspects of adjusting height or inclination A47B 57/00)
- 96/07 • • adjustable in themselves [3]
- 96/14 • Bars, uprights, struts, or like supports, for cabinets, brackets, or the like (aspects of adjusting height or inclination of shelves or brackets A47B 57/00)
- 96/16 • Drawers or movable shelves coupled to doors
- 96/18 • Tops specially designed for working on (table tops A47B 13/08)
- 96/20 • Furniture panels or like furniture elements
- 97/00 Furniture or accessories for furniture, not provided for in other groups of this subclass**
- 97/02 • Devices for holding or supporting maps, drawings, or the like, including means for preventing rolling-up
- 97/04 • Easels or stands for blackboards or the like
- 97/06 • • with means for balancing weight of blackboards or the like, e.g. connected to wall (means for balancing weight of drawing-boards A47B 27/00)
- 97/08 • • foldable

A47C CHAIRS (seats specially adapted for vehicles B60N 2/00); **SOFAS; BEDS** (upholstery in general B68G)

Subclass index

SEATING FURNITURE

- General structure.....3/00, 11/00
- Chairs of special materials.....5/00
- Folding or collapsible chairs.....4/00
- For special uses.....1/00, 9/00, 11/00
- Step-stools, convertible chairs, other seating furniture.....12/00-15/00
- Details or accessories.....7/00, 16/00

SOFAS, COUCHES, BEDS

- General structure.....17/00, 19/00
- Details; accessories.....19/00, 20/00, 23/00, 21/00

DETAILS OR ACCESSORIES COMMON TO SEATING FURNITURE AND BEDS.....25/00-31/00

Chairs; Stools, Benches

- 1/00 Chairs adapted for special purposes** (features relating to vertical adjustability A47C 3/20; convertible chairs A47C 13/00; chairs or personal conveyances specially adapted for patients or disabled persons A61G 3/00, A61G 5/00; operating chairs, dental chairs A61G 15/00)
- 1/02 • Reclining or easy chairs (supports for parts of body A47C 7/36, A47C 7/50, A47C 7/54)
- 1/022 • • having independently-adjustable supporting parts
- 1/023 • • • the parts being horizontally-adjustable seats
- 1/024 • • • the parts, being the back-rest, or the back-rest and seat unit, having adjustable inclination
- 1/025 • • • • by means of a toothed rack or like gearing mechanism
- 1/026 • • • • by means of a peg-and-notch or pawl-and-cam mechanism
- 1/027 • • • • by means of clamps or friction locking members
- 1/028 • • • for changing a straight chair into an easy chair
- 1/029 • • • • by changing the length or the inclination of the legs
- 1/03 • • • the parts being arm-rests
- 1/031 • • having coupled adjustable supporting parts
- 1/032 • • • the parts being movably-coupled seat and back-rest (A47C 1/035 takes precedence)
- 1/033 • • • • the coupling member being a flexible strip

- 1/034 • • • the parts including a leg-rest or foot-rest (A47C 1/037, A47C 1/038 take precedence)
- 1/035 • • • • in combination with movably-coupled seat and back-rest
- 1/036 • • • the parts including a head-rest
- 1/037 • • • • the combination with a leg-rest or foot-rest
- 1/038 • • • with movably-coupled seat and back-rest, actuated by lazy tongs (A47C 1/032, A47C 1/036 take precedence) [2]
- 1/04 • Hairdressers' or similar chairs
- 1/06 • • adjustable
- 1/08 • • with auxiliary seats (insertable seats for children A47C 1/11)
- 1/10 • • with head-rests; with paper holders
- 1/11 • • Accessories not otherwise provided for, e.g. seats for children
- 1/12 • Theatre, auditorium, or similar chairs (seats for stadium benches A47C 1/16)
- 1/121 • • having tipping-up seats [3]
- 1/122 • • • tipping-up sideways [3]
- 1/124 • • Separate chairs, connectible together into a row
- 1/126 • • stowable in floor or wall
- 1/13 • • Indicators; Devices for reserving or the like
- 1/14 • Beach chairs
- 1/16 • Seats detachably mounted on stadium benches (detachably mounted children's chairs A47D 1/10)

3/00 Chairs characterised by structural features; Chairs or stools with rotatable or vertically-adjustable seats (A47C 1/00, A47C 4/00 take precedence)

- 3/02 • Rocking chairs (specially for children A47D 13/10)
- 3/021 • • having elastic frames
- 3/023 • • • made of tubular material
- 3/025 • • with seat, or seat and back-rest unit, elastically mounted in a rigid frame
- 3/026 • • • with a central column, e.g. rocking office chairs; Tilting chairs
- 3/027 • • • with curved rocking members between seat and frame
- 3/029 • • with curved rocking members resting on the floor
- 3/03 • • Locking members (A47C 3/027 takes precedence)
- 3/04 • Stackable chairs; Nesting chairs
- 3/12 • with shell-shaped seat and back-rest unit, e.g. having arm-rests
- 3/14 • of asymmetrical shape
- 3/16 • of legless type, e.g. with seat directly resting on the floor (A47C 3/14 takes precedence; detachably mounted on stadium benches A47C 1/16; children's chairs mounted on back-rest of chair A47D 1/10); Hassocks; Pouffes
- 3/18 • Chairs or stools with rotatable seat (adjustable in height by rotation A47C 3/24)
- 3/20 • Chairs or stools with vertically-adjustable seats (tables with variable height A47B 9/00)
- 3/22 • • with balancing device, e.g. by spring, by weight
- 3/24 • • with vertical spindle
- 3/26 • • with vertical toothed rack
- 3/28 • • with clamps acting on vertical rods
- 3/30 • • with vertically-acting fluid cylinder
- 3/32 • • with flexible height-adjusting means, e.g. rope, chain
- 3/34 • • with pins coacting with holes
- 3/36 • • with means, or adapted, for inclining the legs of the chair or stool for varying height of seat
- 3/38 • • with additional seat or additional legs for varying height of seat
- 3/40 • • Telescopic guides
- 4/00 Foldable, collapsible or dismantlable chairs (of tubular metal type A47C 5/10; children's foldable chairs A47D 1/02)**
- 4/02 • Dismantlable chairs
- 4/03 • • Non-upholstered wooden chairs [2]
- 4/04 • Folding chairs with inflexible seats
- 4/06 • • Attachment of upholstery or fabric to frames (in general A47C 31/02)
- 4/08 • • having a frame made of wood or plastics
- 4/10 • • • with legs pivotably connected to seat or underframe
- 4/12 • • • • of adjustable type (A47C 4/14 takes precedence)
- 4/14 • • • • with cross legs
- 4/16 • • • • • of adjustable type
- 4/18 • • having a frame made of metal
- 4/20 • • • with legs pivotably connected to seat or underframe
- 4/22 • • • • of adjustable type (A47C 4/24 takes precedence)
- 4/24 • • • • with cross legs
- 4/26 • • • • • of adjustable type
- 4/28 • Folding chairs with flexible coverings for the seat or back elements

- 4/30 • • Attachment of upholstery or fabric to frames (in general A47C 31/02)
- 4/32 • • having a frame made of wood or plastics
- 4/34 • • • with legs pivotably connected to seat or underframe
- 4/36 • • • • of adjustable type (A47C 4/38 takes precedence)
- 4/38 • • • • with cross legs
- 4/40 • • • • • of adjustable type
- 4/42 • • having a frame made of metal
- 4/44 • • • with legs pivotably connected to seat or underframe
- 4/46 • • • • of adjustable type (A47C 4/48 takes precedence)
- 4/48 • • • • with cross legs
- 4/50 • • • • • of adjustable type
- 4/52 • Trunk chairs, i.e. chairs collapsible to trunk shape (trunk tables A47B 3/10)
- 4/54 • Inflatable chairs (connection of valves to inflatable elastic bodies B60C 29/00)

5/00 Chairs of special materials

- 5/02 • Basket chairs
- 5/04 • Metal chairs, e.g. tubular (of rocking type A47C 3/023; of non-tubular folding, collapsible, or dismantlable type A47C 4/00)
- 5/06 • • Special adaptation of seat upholstery or fabric for attachment to tubular chairs
- 5/08 • • Tubular chairs having sheathed tubes; Adaptation of sheathed tubes thereto
- 5/10 • • Tubular chairs of foldable, collapsible, or dismantlable type
- 5/12 • of plastics, with or without reinforcement
- 5/14 • characterised by the use of laminated wood

7/00 Parts, details, or accessories of chairs or stools (attaching to floor A47B 91/08)

- 7/02 • Seat parts (adaptation of seats to mounting in tubular chairs A47C 5/06; such parts not restricted to chairs A47C 23/00; removable upholstered units or cushions A47C 27/00)
- 7/14 • • of adjustable shape; elastically mounted
- 7/16 • • Seats made of wooden, plastics, or metal sheet material; Panel seats
- 7/18 • • having foamed material included in cushioning part (foamed material mattresses A47C 27/14)
- 7/20 • • • with reinforcement
- 7/22 • • Straps or the like for carrying upholstery
- 7/24 • • Upholstered seats (A47C 7/18 takes precedence)
- 7/26 • • • with reinforcement
- 7/28 • • with tensioned springs, e.g. of flat type
- 7/30 • • • with springs meandering in a flat plane
- 7/32 • • • with tensioned cords, e.g. of elastic type, in a flat plane
- 7/34 • • with springs in compression, e.g. coiled
- 7/35 • • Combinations of different types of springs; Adjustable springs; Attachment of springs to other springs or to frame [2]
- 7/36 • Support for the head or the back (for operating or dental chairs A61G 15/00)
- 7/38 • • for the head, e.g. detachable
- 7/40 • • for the back
- 7/42 • • • of detachable type
- 7/44 • • • with elastically-mounted frame
- 7/46 • • • with special, e.g. adjustable, profile; "Ackerblom" profile chairs

7/48	• • • of freely-rotatable type				
7/50	• Supports for the feet or the legs (coupled to other adjustable parts A47C 1/034, A47C 1/037; footstools A47C 16/02)				
7/52	• • of detachable type				
7/54	• Supports for the arms				
7/56	• Parts or details of tipping-up chairs, e.g. of theatre chairs				
7/58	• • Hinges, e.g. for mounting chairs in a curved row (hinges for wings in general E05D)				
7/60	• • Use of locks or ledges for limiting the seat movement	17/00	Sofas; Couches; Beds (bedsteads A47C 19/00; spring mattresses A47C 23/00; divan bases A47C 23/00; stuffed mattresses A47C 27/00; beds with special provisions for nursing A61G 7/00)		
7/62	• Accessories for chairs	17/02	• Sofas, couches, settees, or the like, without movable parts		
7/64	• • Hat or coat holders	17/04	• Sofas, couches, settees, or the like, with movable parts; Chair beds		
7/66	• • Means to protect against weather	17/12	• • changeable to beds by tilting or extending the arm-rests		
7/68	• • Arm-rest tables	17/13	• • changeable by increasing the available part, e.g. by drawing forward		
7/70	• • • of foldable type	17/14	• • changeable to beds by removing parts only		
7/72	• • Adaptations for incorporating lamps, radio sets, bars, telephones, ventilation, heating or cooling arrangements or the like	17/16	• • changeable to beds by tilting or pivoting the back-rest		
7/74	• • • for ventilation, heating or cooling	17/165	• • • with forward tiltable back-rest, e.g. back cushion [2]		
9/00	Stools for specified purposes (with rotatable seats A47C 3/18; with vertically adjustable seats A47C 3/20; step-stools A47C 12/00; footstools A47C 16/02; prayer stools A47C 16/04; platforms or seat-boxes specially adapted for angling A01K 97/22; walking sticks or umbrellas convertible into seats A45B 5/00) [5]	17/17	• • • with coupled movement of back-rest and seat [2]		
9/02	• Office stools; Workshop stools	17/175	• • • • with tilting or lifting seat-back-rest pivot [2]		
9/04	• Milking stools	17/18	• • • and tilting or pivoting the arm-rest		
9/06	• Wall stools	17/20	• • • thereby uncovering one or more auxiliary parts previously hidden (A47C 17/22 takes precedence)		
9/08	• Music stools	17/207	• • • • with seat cushion consisting of superposed parts, at least one lower part being used to form part of the surface [2]		
9/10	• Camp, travelling, or sports stools	17/213	• • • • the surface, when used for lying down, consisting of one side of the seat frame and the back-rest frame [2]		
11/00	Benches not otherwise provided for (school forms A47B 39/00)	17/22	• • with means for uncovering a previously hidden mattress or similar bed part		
11/02	• Church benches; Confessionals	17/23	• • • the lying down surface partly consisting of one side of the seat [2]		
12/00	Step-stools [5]	17/24	• • • with only one movable part being tiltable about a horizontal axis		
	Note(s)	17/26	• • • • tiltable to an overturned position		
	Folding or collapsing actions, of interest apart from any conversion between the step and seat functions, are classified in group A47C 4/00.	17/28	• • • • having means to lift the tilting axis		
12/02	• requiring conversion between the step and seat functions [5]	17/30	• • • two or more parts being rotatable about a vertical axis		
13/00	Convertible chairs, stools, or benches (step-stools requiring conversion between the step and seat functions A47C 12/02; stretchers, for patients or invalids, convertible into chairs A61G 1/017) [5]	17/32	• • Changing a single bed into a double bed by extending, pivoting, or tilting a previously hidden second mattress or other bed part		
15/00	Other seating furniture (school forms A47B 39/00)	17/34	• • Joining seats, chairs, or couches to form beds		
16/00	Rests or supports for feet, legs, arms, back or head (associated with chairs A47C 7/00; associated with beds or sofas A47C 20/00) [2]	17/36	• • • Changing corner couches into a double bed		
16/02	• Footstools; Foot-rests; Leg-rests [2]	17/37	• • Changing sofas or the like into beds by means of furniture other than seats or chairs		
16/04	• Prayer stools; Kneeling stools; Kneeling supports (hassocks or pouffes A47C 3/16) [2]	17/38	• Wall beds		
		17/40	• • having balancing members, e.g. weights, springs		
		17/42	• • having supporting legs with fixed position on the floor, e.g. attached thereto		
Sofas; Beds		17/44	• • • having means on the supporting legs facilitating the removal of the bed from its place		
	Note(s)	17/46	• • characterised by a rigid mattress-supporting member		
	In groups A47C 17/00-A47C 27/00, the following terms or expressions are used with the meanings indicated:				

- 17/48 • • characterised by two or more relatively-movable parts
- 17/50 • • characterised by their shape, e.g. multiple-wall beds
- 17/52 • Cabinet beds; Table beds, or like beds; Wardrobe beds
- 17/54 • • in which the cabinet or the like is tilted with the bed
- 17/56 • • pivotable on both horizontal and vertical axis
- 17/58 • • with extensible mattress support
- 17/60 • • the cabinet being essentially changed in shape in sleeping position of the bed
- 17/62 • • Table beds; Billiard table beds, or like beds
- 17/64 • Travelling or camp beds (adjusting members for rests A47C 20/00; travelling or camp sacks or packs convertible into beds or mattresses A45F 4/06; stretchers A61G 1/00)
- 17/66 • • having specially-adapted body-carrying surfaces
- 17/68 • • only the legs being foldable
- 17/70 • • the bed frame being foldable about a horizontal axis
- 17/72 • • • having cross legs (A47C 17/82 takes precedence)
- 17/74 • • the bed being foldable about a vertical axis
- 17/76 • • having extensible, e.g. telescopic parts
- 17/78 • • held in shape by stressed cords
- 17/80 • • adapted to be used in or connected to vehicles
- 17/82 • • Trunk beds; Travelling-case or like beds
- 17/84 • Suspended beds, e.g. suspended from ceiling (hammocks A45F 3/22)
- 17/86 • Parts or details for beds, sofas or couches only not fully covered in a single one of the groups A47C 17/02, A47C 17/04, A47C 17/38, A47C 17/52, A47C 17/64, or A47C 17/84
- 19/00 Bedsteads** (spring mattresses with rigid frame or forming part of the bedstead A47C 23/00; for children's beds A47D 7/00; bed jointing members or fittings for bedsteads F16B)
- 19/02 • Parts or details of bedsteads not fully covered in a single one of the following subgroups, e.g. bed rails, post rails
- 19/04 • Extensible bedsteads, e.g. with adjustment of length, width, height
- 19/12 • Folding bedsteads (travelling or camp beds A47C 17/64)
- 19/14 • • of the lazy-tongs type
- 19/20 • Multi-stage bedsteads (multiple-wall beds A47C 17/50; suspended beds A47C 17/84); Bedsteads stackable to multi-stage bedsteads
- 19/22 • Combinations of bedsteads with other furniture or with accessories, e.g. with bedside cabinets (bed-tables A47B 23/00)
- 20/00 Head-, foot- or like rests for beds, sofas or the like** (book-rests or bed tables A47B 23/00; bed-rests specially adapted for nursing A61G 7/065) [2]
- 20/02 • of detachable type (A47C 20/04, A47C 20/08 take precedence) [2]
- 20/04 • with adjustable inclination (A47C 20/08 takes precedence) [2]
- 20/06 • • the adjustable part immobilising foldable legs [2]
- 20/08 • with means for adjusting two or more rests together [2]
- 20/10 • • using rods [2]
- 20/12 • • • using telescopic rods [2]
- 20/14 • • using plate and catch [2]
- 20/16 • • using toothed parts, e.g. racks [2]
- 20/18 • • using friction gearing [2]
- 21/00 Attachments for beds, e.g. sheet holders, bed-cover holders** (bed tables supported on the bedstead A47B 23/02; for children's beds A47D 15/00); **Ventilating, cooling or heating means in connection with bedsteads or mattresses** [5]
- 21/02 • Sheet holders; Bed-cover holders
- 21/04 • Devices for ventilating, cooling or heating
- 21/06 • Mattress underlays
- 21/08 • Devices for prevention against falling-out, e.g. detachable side walls (for children's beds A47D 7/00)
- 23/00 Spring mattresses with rigid frame or forming part of the bedstead; Divan bases** (unframed spring units A47C 25/00; spring units forming part of stuffed mattresses A47C 27/00; bed-rests specially adapted for nursing A61G 7/065)
- 23/02 • using leaf springs, e.g. metal strips (wooden springs A47C 23/06) [2]
- 23/04 • using springs in compression, e.g. coiled
- 23/043 • • using wound springs [2]
- 23/047 • • incorporating inflatable elements [2]
- 23/05 • • Frames therefor; Connecting the springs to the frame
- 23/053 • • • Attachment or interconnection of springs in frames or in spring units [2]
- 23/055 • • • using cords; using textile or rubber bands [2]
- 23/057 • • • Hangers or supports for fastening spring units to frame [2]
- 23/06 • using wooden springs, e.g. of slat type
- 23/12 • using tensioned springs, e.g. of flat type (A47C 23/02 takes precedence) [2]
- 23/14 • • forming nets; combined with nets
- 23/145 • • • with horizontal interlocking wound springs; Attachment thereof to the frame [2]
- 23/15 • • • with braided or crossed flat springs or cords; with horizontal wound springs (A47C 23/145 takes precedence) [2]
- 23/155 • • • with combinations of flat springs or link chains with wound springs [2]
- 23/16 • • of plane meandering type
- 23/18 • • of resilient webbing
- 23/20 • • of resilient sheet form
- 23/22 • • of tensioned rubber cords or like cords
- 23/24 • • using tensioned textile or other non-resilient strips
- 23/26 • • Frames therefor; Connecting the springs to the frame
- 23/28 • • Tensioning devices therefor
- 23/30 • using combinations of springs covered by more than one of the groups A47C 23/02, A47C 23/04, A47C 23/06 and A47C 23/12; Frames therefor
- 23/32 • • Combinations of nets with springs in compression; Frames therefor
- 23/34 • with provisions for giving extra support for the head or the legs
- 25/00 Unframed spring units specially adapted for sofas or beds**
- 25/02 • without additional connecting means between the springs

<p>27/00 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, A61G 7/057; ready-made upholstery pads in general B68G 5/00; making mattresses B68G 7/00) [5]</p> <p>27/04 • with spring inlays (A47C 27/20 takes precedence)</p> <p>27/045 • • Attachment of spring inlays to coverings (upholstery attaching means A47C 31/02); Use of stiffening sheets, lattices or grids under spring inlays [2]</p> <p>27/05 • • with foamed material in top, bottom, or side layers</p> <p>27/06 • • Spring inlays</p> <p>27/07 • • • Attaching, or interconnecting of, springs in spring inlays [2]</p> <p>27/08 • Fluid mattresses (connecting valves to inflatable elastic bodies B60C 29/00) [5]</p> <p>27/10 • • with two or more independently-fillable chambers [5]</p> <p>27/12 • with fibrous inlays, e.g. made of wool, of cotton</p> <p>27/14 • with foamed material inlays</p> <p>27/15 • • consisting of two or more layers (A47C 27/16 takes precedence) [2]</p> <p>27/16 • • reinforced with sheet-like elements, e.g. profiled</p> <p>27/18 • • in combination with inflatable bodies</p>	<p>27/20 • • with springs moulded in, or situated in openings in foamed material</p> <p>27/22 • with both fibrous and foamed material inlays</p> <hr/> <p>29/00 Nets for protection against insects in connection with chairs or beds (insect nets for animals A01K 13/00; insect nets as travelling equipment A45F 3/52); Bed canopies</p> <p>31/00 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</p> <p>31/02 • Upholstery attaching means (quilting, quilting means, fastening, fixing or finishing upholstery B68G 7/00)</p> <p>31/04 • • Clamps for attaching flat elastic strips or flat meandering springs to frames</p> <p>31/06 • • • for attaching flat meandering springs</p> <p>31/08 • Mattress hand-straps</p> <p>31/10 • Loose furniture covers</p> <p>31/11 • • for chairs [2]</p> <p>31/12 • Means, e.g. measuring means, for adapting chairs, beds or mattresses to the shape or weight of persons (body measuring means for clothing manufacture A41H 1/00) [4]</p>
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A47D FURNITURE SPECIALLY ADAPTED FOR CHILDREN (school benches or desks A47B 39/00, A47B 41/00)

Subclass index

CHAIRS; BEDS OR CRADLES.....	1/00, 11/00, 7/00, 9/00, 11/00
OTHER FURNITURE.....	3/00, 5/00, 13/00
ACCESSORIES.....	15/00

<p>1/00 Children's chairs (chairs generally A47C; vehicle seats for children B60N 2/26)</p> <p>1/02 • Foldable chairs</p> <p>1/04 • convertible from a high chair to a low one by reversing</p> <p>1/06 • convertible to a push chair</p> <p>1/08 • convertible to a rocking chair</p> <p>1/10 • capable of being suspended from, or attached to, tables or other articles</p> <p>3/00 Children's tables</p> <p>5/00 Dressing-tables for children (chests of drawers A47B 67/00)</p> <p>7/00 Children's beds (beds in general A47C)</p> <p>7/01 • with adjustable parts, e.g. for adapting the length to the growth of the children</p> <p>7/02 • • with side wall that can be lowered</p> <p>7/03 • • with adjustably-mounted mattresses</p> <p>7/04 • capable of being suspended from, or attached to, window frames or other articles</p> <p>9/00 Cradles</p> <p>9/02 • with rocking mechanisms (devices for moving perambulators to and fro B62B 9/22)</p> <p>9/04 • • with disconnectable rockers</p>	<p>11/00 Children's furniture convertible into other kinds of furniture, e.g. children's chairs or benches convertible into beds (convertible furniture in general A47B 85/00)</p> <p>11/02 • Chairs convertible into children's chairs</p> <p>13/00 Other nursery furniture (auxiliary or portable toilet seats for children A47K 13/06)</p> <p>13/02 • Baby-carriers; Carry-cots</p> <p>13/04 • Apparatus for helping babies to walk; Baby walkers or strollers (wheeled walking aids for patients or disabled persons A61H 3/04)</p> <p>13/06 • Children's pens</p> <p>13/08 • Devices for use in guiding or supporting children, e.g. safety harness</p> <p>13/10 • Rocking-chairs (in general A47C 3/02; rocking horses A63G 15/00); Swings (in general A63G 9/00)</p> <p>15/00 Accessories for children's furniture, e.g. safety belts, baby-bottle holders (holders for bottles for medicinal feeding A61J 9/06; safety belts or body harnesses, in general A62B 35/00; safety belts or body harnesses in land vehicles B60R 22/00; harnessing in aircraft B64D 25/06) [4]</p> <p>15/02 • Bed-cover holders preventing babies from throwing-off the bed covers</p>
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A47F SPECIAL FURNITURE, FITTINGS, OR ACCESSORIES FOR SHOPS, STOREHOUSES, BARS, RESTAURANTS, OR THE LIKE; PAYING COUNTERS
Subclass index

FURNITURE AND FITTINGS CHARACTERISED BY THEIR CONSTRUCTION.....	1/00, 3/00, 5/00, 9/00, 11/00
FURNITURE AND FITTINGS ADAPTED TO PARTICULAR ARTICLES OR PRODUCTS.....	7/00
FURNITURE OR INSTALLATIONS ADAPTED TO PARTICULAR TYPES OF SERVICE SYSTEMS.....	10/00
ACCESSORIES FOR SHOPS, STORES, OR BARS; DUMMIES OR BUSTS.....	13/00, 8/00

1/00 Racks for dispensing merchandise (racks in general A47B; storing means for workshops B25H); Containers for dispensing merchandise (show or display aspects A47F 3/00; for workshop fittings B25H 3/00; containers in general B65D; coin-freed dispensers G07F)	5/11	• • made of cardboard, paper, or the like (A47F 5/12 takes precedence)
1/02 • for granulated or powdered materials	5/12	• • Tilttable stands
1/03 • • Dispensing means	5/13	• • made of tubes or wire (A47F 5/12 takes precedence)
1/035 • • • having measuring devices	5/14	• Tubular connecting elements for wire stands
1/04 • Containers with arrangements for dispensing articles	5/16	• Platform type show stands with flat, inclined, or curved upper surface
1/06 • • dispensing from top	7/00 Show stands, hangers, or shelves, adapted for particular articles or materials	
1/08 • • dispensing from bottom	7/02	• for jewellery, dentures, watches, eye-glasses, lenses, or the like
1/10 • • • having mechanical dispensing means	7/024	• • with provisions for preventing unauthorised removal
1/12 • • dispensing from the side of an approximately horizontal stack	7/03	• • of box shape; Adaptations of boxes to display purposes
1/14 • Containers adapted to stacking or to be combined with, or combined to form, a stand	7/04	• for tyres; for wheels
1/16 • Containers characterised by being rotatable	7/06	• for hats
1/18 • Combinations of racks and shop vending jars	7/08	• for shoes
3/00 Showcases or show cabinets	7/10	• for hosiery
3/02 • with dispensing arrangements (coin-freed G07F)	7/12	• for ties (household necktie holders A47G 25/74); for collars
3/022 • • dispensing from top	7/14	• for pictures, e.g. in combination with books or seed-bags
3/024 • • dispensing from bottom	7/16	• for carpets; for wallpaper; for textile materials
3/026 • • • having mechanical dispensing means	7/17	• • in rolls or rolled tapes
3/04 • air-conditioned, refrigerated (refrigerators F25D; heating arrangements specially adapted for transparent or reflecting areas H05B 3/84)	7/18	• • for clothing materials (A47F 7/17 takes precedence) [3]
3/06 • with movable or removable shelves	7/19	• for garments (for hosiery A47F 7/10; for ties or collars A47F 7/12; dummies, busts, or the like A47F 8/00; wardrobes with garment-holders A47B 61/00; household implements used in connection with wearing apparel or dress holders A47G 25/00)
3/08 • with arrangements for continuously or intermittently moving the merchandise	7/22	• • for shirts
3/10 • Rotary showcases or show cabinets	7/24	• • Clothes racks
3/11 • • having mechanical drive	7/26	• • • extensible from a showcase
3/12 • Clamps or other devices for supporting, fastening, or connecting glass plates	7/28	• for containers, e.g. flasks, bottles
3/14 • Display trays (packing boxes used subsequently as display trays B65D)	7/30	• for furniture, e.g. beds, mattresses
5/00 Show stands, hangers, or shelves characterised by their constructional features	8/00 Dummies, busts, or the like, e.g. for displaying garments (tailors' dummies A41H 5/00)	
5/01 • made of tubes or wire (foldable or adjustable A47F 5/13)	8/02	• Wire figures; Contour figures for displaying garments
5/02 • Rotary display stands	9/00 Shop, bar, bank or like counters (showcases or show cabinets A47F 3/00; safety transaction partitions, e.g. movable pay plates, E05G 7/00)	
5/025 • • having mechanical drive, e.g. turntables (A47F 5/03 takes precedence)	9/02	• Paying counters
5/03 • • with horizontal rotation axis	9/04	• • Check-out counters, e.g. for self-service stores [3]
5/04 • Stands with a central pillar, e.g. tree type		
5/05 • • with separate containers rotatable around the pillar		
5/06 • • adjustable		
5/08 • secured to the wall, ceiling, or the like; Wall-bracket display devices		
5/10 • Adjustable or foldable display stands		

<p>10/00 Furniture or installations specially adapted to particular types of service systems, not otherwise provided for (conveyer aspects B65G; building aspects E04H; coin-freed apparatus G07F) [3]</p> <p>10/02 • for self-service type systems, e.g. supermarkets (A47F 10/06 takes precedence; hand-carts B62B; baskets B65D) [3]</p> <p>10/04 • • for storing or handling self-service hand-carts or baskets [3]</p> <p>10/06 • for restaurant service systems (table equipment A47G) [3]</p> <p>11/00 Arrangements in shop windows or showcases</p>	<p>11/02 • Removable walls; Pillars; Special curtains or the like</p> <p>11/04 • Special arrangements of mirrors or the like</p> <p>11/06 • Means for bringing about special optical effects</p> <p>11/08 • • Non-reflecting shop-windows</p> <p>11/10 • • Arrangements of light sources</p> <p>13/00 Shop or like accessories (devices for drawing-off and cutting paper from a roll B65H; movably-mounted ladders E06C 9/06)</p> <p>13/04 • Twine holders or cutters</p> <p>13/06 • Reaching devices (having gripping means B25J)</p> <p>13/08 • Hand implements, e.g. grocers' scoops, ladles, paper-bag holders</p>
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A47G HOUSEHOLD OR TABLE EQUIPMENT (book-ends A47B 65/00; knives B26B)

Note(s)

This subclass covers equipment for similar use in hotels, dressing rooms, vehicles, or the like, not otherwise provided for.

Subclass index

DECORATIVE EQUIPMENT.....	1/00-7/00, 33/00
BEDDING; TABLE LINEN.....	9/00, 11/00
TABLE EQUIPMENT.....	19/00-23/00
SUPPORTS, HOLDERS, CONTAINERS, IMPLEMENTS	
for wearing apparel.....	25/00
for household use.....	29/00
FLOOR FABRICS.....	27/00
RELIGIOUS OR RITUAL EQUIPMENT.....	33/00
OTHER EQUIPMENT.....	35/00

<p>1/00 Mirrors (hand, pocket, or shaving mirrors A45D 42/00; as optical elements G02B 5/08); Picture frames or the like</p> <p>1/02 • Mirrors used as equipment</p> <p>1/04 • • Multi-part mirrors</p> <p>1/06 • Picture frames (making from paper B31D)</p> <p>1/08 • • adjustable</p> <p>1/10 • • Corner clips or corner-connecting appliances for frames</p> <p>1/12 • Frames or housings for storing medals, badges, or the like</p> <p>1/14 • Photograph stands</p> <p>1/16 • Devices for hanging or supporting pictures, mirrors, or the like</p> <p>1/17 • • using adhesives, suction or magnetism</p> <p>1/18 • • Picture loops or the like</p> <p>1/20 • • Picture hooks; X-hooks (plugs or hooks for general use F16B 13/00, F16B 45/00)</p> <p>1/21 • • • with clamping action (in general F16B 2/00)</p> <p>1/22 • • Pin plates</p> <p>1/24 • • Appliances for adjusting pictures, mirrors, or the like, into a desired position, especially inclined</p> <p>3/00 Removable ornamental heads for nails, screws, or the like (specially shaped, non-removable heads for nails F16B 15/02, for screws F16B 23/00)</p> <p>5/00 Screens (shower screens A47K 3/30; shutters closing an opening E06B 9/02; fly-screens E06B 9/52); Draught-deflectors</p> <p>5/02 • Roll-up screens</p> <p>5/04 • Fire screens</p>	<p>7/00 Flower holders or the like (flower holders worn on garments A45F 5/08)</p> <p>7/02 • Devices for supporting flower-pots or cut flowers (flower-pots, holders for flower-pots in greenhouses A01G)</p> <p>7/03 • • Needle cushions or needle plates for supporting flowers in pots or vases</p> <p>7/04 • • Flower tables; Stands or hangers, e.g. baskets, for flowers (stands for use during growing of flowers A01G)</p> <p>7/06 • • Flower vases</p> <p>7/07 • • • Guiding means for flowers in vases, e.g. perforated covers</p> <p>7/08 • • Covers for flower-pots</p> <p>9/00 Bed-covers; Counterpanes; Travelling rugs; Sleeping rugs; Sleeping bags; Pillows (pillows specially adapted for preventing snoring A61F 5/56)</p> <p>9/02 • Bed linen; Blankets; Counterpanes (sheets specially adapted for use as or with stretchers for patients or invalids A61G 1/01) [5]</p> <p>9/04 • • with fastening strips (haberdashery in general A44B)</p> <p>9/06 • Travelling rugs; Sleeping rugs</p> <p>9/08 • Sleeping bags</p> <p>9/10 • Pillows (pillow holders A47C 21/00) [7]</p> <p>11/00 Table linen</p> <p>Table devices or equipment</p> <p>19/00 Table service</p>
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- 19/02 • Plates, dishes or the like
- 19/03 • • for using only once, e.g. made of paper
- 19/04 • • Plates with detachable waste receptacles
- 19/06 • • Plates with integral holders for spoons, glasses, or the like
- 19/08 • • Plate-holders (holders for kitchen pots A47J 45/10)
- 19/10 • • • Devices for securing plates to the table
- 19/12 • Vessels or pots for table use
- 19/14 • • Coffee or tea pots (filters, strainers A47J 31/06)
- 19/16 • • Tea infusers, e.g. infusing bags, egg-shaped infusers (for using only once, e.g. made of paper, B65D, e.g. disposable containers or packages B65D 85/804)
- 19/18 • • Containers for delivering jam, mustard, or the like (soap deliverers A47K 5/06)
- 19/20 • Tea or coffee pot cosies
- 19/22 • Drinking vessels or saucers used for table service (glass or drinking-vessel underlays A47G 23/03)
- 19/23 • • of stackable type
- 19/24 • Shakers for salt, pepper, sugar, or the like
- 19/26 • Butter or cheese dishes or covers, with or without cooling or heating devices; Protective covers for food containers
- 19/28 • Egg-cups; Openers for boiled eggs (egg-openers as domestic appliances A47J 43/14)
- 19/30 • Other containers or devices used as table equipment
- 19/32 • • Food containers with dispensing devices for bread, rolls, sugar, or the like; Food containers with movable covers (used as shop fittings A47F)
- 19/34 • • • dispensing a certain quantity of powdered or granulated foodstuffs, e.g. sugar [2]
- 21/00 Table-ware** (crumb trays A47L 13/52; table knives B26B)
- 21/02 • Forks; Forks with ejectors; Combined forks and spoons; Salad servers
- 21/04 • Spoons; Pastry servers
- 21/06 • Combined or separable sets of table-service utensils; Oyster knives with openers; Fish servers with means for removing bones (kitchen equipment A47J)
- 21/08 • Serving devices for one-handed persons
- 21/10 • Sugar tongs; Asparagus tongs; Other food tongs
- 21/12 • Toothpick holders
- 21/14 • Knife racks or stands; Holders for table utensils attachable to plates
- 21/16 • Table-cloth or napkin holders
- 21/18 • Drinking straws or the like (for therapeutic purposes A61J 15/00)
- 23/00 Other table equipment**
- 23/02 • Glass or bottle holders
- 23/03 • Underlays for glasses or drinking-vessels [2]
- 23/032 • • made of paper, board, or the like, e.g. beer mats
- 23/04 • Containers with means for keeping food cool or hot (for butter or cheese A47G 19/26)
- 23/06 • Serving trays (service tables A47B 31/00)
- 23/08 • Food-conveying devices for tables; Movable or rotary food-serving devices
- 23/10 • Devices for counting or marking the number of consumptions (on beverage-dispensing apparatus B65D, B67D; counting in general G06M)
- 23/12 • • Consumption counters combined with table-ware
- 23/14 • • • combined with underlays, e.g. for glasses
- 23/16 • • • combined with drinking vessels or with lids therefor

Dwelling equipment

- 25/00 Household implements used in connection with wearing apparel; Dress, hat or umbrella holders** (wardrobes A47B 61/00) [4]
- 25/02 • Dress holders; Dress suspending devices; Clothes-hanger assemblies; Clothing lifters (clothing or suit hangers A47G 25/14; clothing holders with locking devices E05B 69/00) [4]
- 25/06 • • Clothes hooks; Clothes racks; Garment-supporting stands with swingable or extending arms (with lockable hooks E05B 69/02)
- 25/08 • • Portable pocket clothes-holders attachable to trees, walls, tables, or the like
- 25/10 • Hat holders; Hat racks
- 25/12 • Cane or umbrella stands or holders
- 25/14 • Clothing hangers, e.g. suit hangers (A47G 25/60 takes precedence; wardrobes with extensible garment holders A47B 61/02) [4]
- 25/16 • • for complete outfits (A47G 25/40, A47G 25/44 take precedence) [4]
- 25/18 • • for two or more similar garments, e.g. constructed to connect to, or support, a similar hanger [4]
- 25/20 • • with devices for preserving the shape of the clothes [4]
- 25/22 • • specially adapted for furs [4]
- 25/24 • • made of wire (A47G 25/42, A47G 25/46, A47G 25/52, A47G 25/64, A47G 25/70 take precedence) [4]
- 25/26 • • • specially adapted to prevent slipping-off of the clothes. e.g. with non-slip surfaces (A47G 25/30 takes precedence) [4]
- 25/28 • • Hangers characterised by their shape [4]
- 25/30 • • • to prevent slipping-off of the clothes [4]
- 25/32 • • • involving details of the hook (A47G 25/34, A47G 25/38 take precedence) [4]
- 25/34 • • • with hook and hanger made in one piece (A47G 25/36 takes precedence) [4]
- 25/36 • • • characterised by the selection of the material, e.g. paper, board, plastics, glass [4]
- 25/38 • • • • Hook mountings therefor [4]
- 25/40 • • Collapsible hangers [4]
- 25/42 • • • made of wire [4]
- 25/44 • • Slidable hangers [4]
- 25/46 • • • made of wire [4]
- 25/48 • • Hangers with clamps or the like, e.g. for trousers or skirts [4]
- 25/50 • • • Hooks on hangers for supporting trousers or skirts [4]
- 25/52 • • • made of wire [4]
- 25/54 • Dust- or moth-proof garment bags, e.g. with suit hangers [4]
- 25/56 • • Devices for inserting clothes [4]
- 25/58 • • Moth-proof bags with provisions for pesticides or pest repellants [4]
- 25/60 • Hangers having provision for perfumes or for pesticides or pest repellants, e.g. for storing in moth-proof bags [4]
- 25/62 • Trouser or skirt stretchers or tensioners of the hanger type (with application of heat or steam D06F) [4]
- 25/64 • • made of wire [4]
- 25/66 • Trouser-stretchers with creasing or expanding devices (with application of heat or steam D06F) [4]
- 25/68 • • stretching in longitudinal direction [4]
- 25/70 • • made of wire [4]

- 25/72 • Garment-pressing devices (hot pressing apparatus or machines D06F) [4]
- 25/74 • Necktie holders [4]
- 25/76 • Necktie-stretching devices (with application of heat or steam D06F) [4]
- 25/78 • Necktie-pressing devices, e.g. combined with holding devices (hot-pressing apparatus D06F) [4]
- 25/80 • Devices for putting-on or removing boots or shoes, e.g. boot-hooks, boot-jacks (shoe buttoners A47G 25/92) [4]
- 25/82 • • Shoe horns [4]
- 25/84 • • Shoe benches [4]
- 25/86 • • • with boot-pulling devices [4]
- 25/88 • • Devices for tucking ends of laces inside shoes or boots [4]
- 25/90 • Devices for domestic use for assisting in putting-on or pulling-off clothing, e.g. stockings or trousers [4]
- 25/92 • • Shoe or collar buttoners; Bodkins; Glove hooks [4]

- 27/00 Floor fabrics; Fastenings therefor** (woven fabrics D03D; non-woven fabrics D04H)
- 27/02 • Carpets; Stair runners; Bedside rugs; Foot mats (mat-like foot scrapers A47L 23/22)
- 27/04 • Carpet fasteners; Carpet-expanding devices
- 27/06 • Stair rods; Stair-rod fasteners (curtain rods A47H 1/02)

- 29/00 Supports, holders, or containers for household use, not provided for in groups A47G 1/00-A47G 27/00 or A47G 33/00** (for fastening kitchen utensils A47J 45/00; for drying towels A47K 10/04; stands, racks, or the like for airing beds, garments, or the like, clothes, drying devices D06F 57/00)
- 29/02 • Wall boards (shelves A47B); Supporting brackets or clamps therefor
- 29/06 • Paper baskets (refuse receptacles B65F 1/00)
- 29/08 • Holders for articles of personal use in general, e.g. brushes
- 29/087 • Devices for fastening household utensils, or the like, to tables, walls, or the like [4]
- 29/093 • Devices for securing receptacles to tables, or the like [4]
- 29/10 • Key holders; Key boards (key cases A45C 11/32)

- 29/12 • Mail or newspaper receptacles, e.g. letter-boxes; Openings in doors or the like for delivering mail or newspapers (A47G 29/14 takes precedence; chutes for mail in buildings B65G 11/04) [1, 2006.01]
- 29/122 • • Parts, details, or accessories, e.g. signalling devices, lamps, devices for leaving messages
- 29/124 • • • Appliances to prevent unauthorised removal of contents
- 29/126 • • • Lids for access slits
- 29/14 • Deposit receptacles for food, e.g. breakfast, milk; Similar receptacles for large parcels with appliances for preventing unauthorised removal of the deposited articles [1, 2006.01]
- 29/16 • • Combinations with letter-boxes
- 29/18 • • Clamping devices for holding bottles near doors or windows (preventing unauthorised removal A47G 29/24)
- 29/20 • • with appliances for preventing unauthorised removal of the deposited articles
- 29/22 • • • having rotatable or reciprocable parts
- 29/24 • • • Clamping devices for holding bottles near doors or windows
- 29/26 • • • • freeing the bottle only on opening door or window
- 29/28 • • • having a receptacle inside the house and a delivery pipe or the like passing through a door, wall, or the like, e.g. for delivering milk
- 29/30 • • Accessories, e.g. signalling devices, lamps, means for leaving messages

- 33/00 Religious or ritual equipment in dwelling or for general use**
- 33/02 • Altars; Religious shrines; Fonts for holy water; Crucifixes
- 33/04 • Christmas trees (lighting devices therefor F21S; candle holders F21V 35/00) [1, 7]
- 33/06 • • Artificial Christmas trees
- 33/08 • • Christmas tree decorations
- 33/10 • • Fastening devices or clamps for Christmas tree decorations
- 33/12 • • Christmas tree stands

- 35/00 Other dwelling equipment**

- A47H FURNISHINGS FOR WINDOWS OR DOORS** (concerned with the functioning of the door or window E05; roller blinds E06B; special arrangements or measures in connection with doors or windows, e.g. for ventilation or sealing, E06B 7/00)

Subclass index

CURTAINS.....	21/00, 23/00
SUSPENDING CURTAINS.....	1/00, 2/00, 7/00, 13/00, 15/00, 19/00
OPERATING CURTAINS.....	3/00, 5/00, 11/00, 15/00
OTHER WINDOW OR DOOR FURNISHINGS.....	27/00, 99/00

Curtains; Draperies

1/00 Curtain suspension devices

- 1/02 • Curtain rods
- 1/022 • • extensible
- 1/03 • • pivotably mounted for rotation with doors or windows

- 1/04 • Curtain rails
- 1/06 • • fixed
- 1/08 • • extensible
- 1/10 • Means for mounting curtain rods or rails
- 1/102 • • for mounting curtain rods (A47H 1/12, A47H 1/14 take precedence)

A47H

- 1/104 • • for mounting curtain rails (A47H 1/12, A47H 1/14 take precedence)
- 1/12 • • Adjustable mountings
- 1/122 • • • for curtain rods
- 1/124 • • • for curtain rails
- 1/13 • • Brackets or adjustable mountings for both roller blinds and drawable curtains
- 1/14 • • Brackets for supporting rods or rails
- 1/142 • • • for supporting rods
- 1/144 • • • for supporting rails
- 1/16 • • Holders made of wire for curtain rods
- 1/18 • Other curtain suspension devices, e.g. wire, cord
- 1/19 • • Devices for mounting the wire, cord, or the like

2/00 Pelmets or the like

- 2/02 • extensible

3/00 Fastening, clamping, or guiding devices for the bands or cords of curtains or the like

- 3/02 • Fastening, clamping, or guiding devices for bands or cords
 - 3/04 • • Automatic cord clamps
 - 3/06 • • Non-automatic cord clamps
 - 3/08 • • Cord-tensioning devices for curtains with two cords
 - 3/10 • • Cord guides
 - 3/12 • • Belt strap holders; Belt strap rollers; Belt strap tensioning devices

5/00 Devices for drawing draperies, curtains, or the like

- 5/02 • Devices for opening and closing curtains
- 5/03 • • Devices with guiding means and push or draw rods
- 5/032 • • Devices with guiding means and draw cords (cord pulleys A47H 11/06)
- 5/04 • • Devices with lazy-tongs
- 5/06 • • Devices with screw-threads on rods or spindles
- 5/08 • Devices for drawing draperies attached to the doors or windows
- 5/09 • • Devices for swinging the curtains away from doors or windows
- 5/14 • Apparatus for lowering curtains or the like

7/00 Devices for putting-up and removing curtain rods

- 7/02 • Curtain rods, capable of being lowered

11/00 Curtain cord appurtenances

- 11/02 • Engaging-pieces on curtain cords for operating curtains
- 11/04 • End attachment clips, e.g. for tassels

- 11/06 • Cord pulleys

13/00 Fastening curtains on curtain rods or rails

- 13/01 • by clamps; by clamps attached to hooks or rings
- 13/02 • by rings, e.g. with additional runners (A47H 13/12 takes precedence)
- 13/04 • by hooks, e.g. with additional runners (A47H 13/12 takes precedence; by hooks specially adapted to pleat belts A47H 13/16)
- 13/06 • by pins, e.g. with additional runners (A47H 13/12 takes precedence)
- 13/10 • by rail rollers
- 13/12 • by rail gliders
- 13/14 • Means for forming pleats
- 13/16 • • Pleat belts; Hooks specially adapted for pleat belts

15/00 Runners or gliders for supporting curtains on rails or rods

- 15/02 • Runners
- 15/04 • Gliders

19/00 Rosettes for holding curtains; Festoon holders

21/00 Curtain shields

23/00 Curtains; Draperies (shower curtain arrangements A47K 3/38)

- 23/01 • Bottom bars for stretching hanging curtains; Magnets, slide fasteners, or the like to improve closing of curtains
- 23/02 • Shapes of curtains; Selection of particular materials for curtains [2]
- 23/04 • • Shapes of curtains
- 23/05 • • • of chain or chain mail; of free-hanging strips or lamellae
- 23/06 • • • Systems consisting of two or more co-operating curtains with transparent or perforated parts behind each other
- 23/08 • • Selection of particular materials
- 23/10 • • • the material being plastics or the like
- 23/12 • • • the material being paper or cardboard
- 23/14 • • • the material being woven textile with reinforcing bars, e.g. made of wood

27/00 Boxes, shelves, holders or similar supports for holding flowers (windows adapted to carry plants E06B 7/28)

99/00 Subject matter not provided for in other groups of this subclass [2009.01]

A47J KITCHEN EQUIPMENT; COFFEE MILLS; SPICE MILLS; APPARATUS FOR MAKING BEVERAGES (disintegrating, e.g. mincing, B02C; severing, e.g. cutting, slicing, B26B, B26D) [6]

Subclass index

IMPLEMENTS OR MACHINES FOR PREPARING FOOD

- For peeling or paring; for straining..... 17/00, 19/00
- For shaping butter..... 9/00
- For preparing fruit..... 17/00-25/00
- Coffee mills, spice mills..... 42/00
- Other implements or machines..... 43/00, 44/00

COOKING; APPARATUS FOR MAKING BEVERAGES; THERMALLY-INSULATED VESSELS

- Cooking-vessels for general use..... 27/00
- Egg-cookers; Camp cookers..... 29/00, 33/00
- Apparatus for making beverages..... 31/00

Details of cooking-vessels.....	36/00
Baking, roasting, grilling, frying.....	37/00
Cooking chambers, warming cupboards.....	39/00
Thermally-insulated vessels.....	41/00
FASTENING OR GRIPPING UTENSILS.....	45/00
CONTAINERS, STANDS, CUTTING-BOARDS.....	47/00

9/00	Apparatus or utensils for shaping butter or the like (for use in dairies A01J 19/00, A01J 21/00; moulding plastic material in general B29C)	27/082	• • with inserts for cooking different foods separately at the same time; Inserts therefor (inserts for cooking-vessels in general A47J 36/16)
17/00	Household peeling, stringing, or paring implements or machines (for foodstuffs in bulk A23N)	27/084	• • with adjustable volume; Tier pressure-cookers
17/02	• Hand devices for scraping or peeling vegetables or the like	27/086	• • with built-in heating means (adaptations of automatic switches for the heating means A47J 27/62)
17/04	• • Citrus fruit peelers	27/088	• • adapted to high-frequency heating
17/06	• Devices for stringing beans	27/09	• • Safety devices
17/08	• Asparagus-peelers	27/092	• • • Devices for automatically releasing pressure before opening
17/10	• Vegetable or fruit grippers or holders for use while peeling	27/10	• Cooking-vessels with water-bath arrangements for domestic use
17/14	• Machines for peeling (universal kitchen machines A47J 43/04)	27/12	• Multiple-unit cooking-vessels
17/16	• • Peeling machines with rotary fruit-holding spindles and fixed or movable peeler blades	27/122	• • with adaptation of shape to that of adjacent vessels for forming a unit, e.g. sector-shaped
17/18	• • with scraping discs or rotors	27/13	• • Tier cooking-vessels
17/20	• • with brushes	27/14	• Cooking-vessels for use in hotels, restaurants, or canteens
19/00	Household machines for straining foodstuffs; Household implements for mashing or straining foodstuffs (for foodstuffs in bulk A23N)	27/16	• • heated by steam
19/02	• Citrus fruit squeezers; Other fruit juice extracting devices	27/17	• • • with steam jacket
19/04	• Household implements for mashing potatoes or other foodstuffs	27/18	• • heated by water-bath
19/06	• Juice presses for vegetables	27/20	• Ham-boilers
21/00	Devices for removing stalks from fruit (machines A23N 15/02)	27/21	• Water-boiling vessels, e.g. kettles
23/00	Devices for stoning fruit (machines for stoning fruit in bulk A23N 3/00, A23N 4/00)	27/212	• • with signalling means, e.g. whistling kettles (signalling milk-boiling vessels A47J 27/57)
25/00	Devices for coring fruit (machines for coring fruit in bulk A23N 3/00, A23N 4/12)	27/56	• Preventing boiling over, e.g. of milk (appliances for preventing or destroying foam in dairy apparatus for treating milk A01J 11/02; preventing foaming in boiling in general B01B 1/02)
Cooking; Apparatus for making beverages		27/57	• • Milk-boiling vessels with water or steam jackets, e.g. with signalling means
27/00	Cooking-vessels (A47J 29/00-A47J 33/00 take precedence) [2]	27/58	• • Cooking utensils with channels or covers collecting overflowing liquid
27/02	• with enlarged heating surfaces	27/60	• • Funnel-like inserts; Grooved plates to be placed on the bottom of cooking utensils
27/022	• • with enlarged bottom	27/62	• • by devices for automatically controlling the heat supply by switching off heaters or for automatically lifting the cooking-vessels
27/024	• • with liquid-heating tubes extending outside the vessel	27/64	• • • for automatically lifting the cooking-vessels (devices for automatically lifting eggs from boiling water A47J 29/04)
27/026	• • with conduits through the vessel for circulating heating gases	29/00	Egg-cookers
27/04	• for cooking food in steam; Devices for extracting fruit juice by means of steam	29/02	• for eggs or poached eggs; Time-controlled cookers
27/05	• • Tier steam-cookers, i.e. with steam-tight joints between cooking-vessels stacked while in use (tier cooking-vessels in general A47J 27/13)	29/04	• • Cookers for eggs with devices for automatically lifting the eggs from the boiling water
27/06	• Steam-heated kettles for domestic use	29/06	• Grasping devices for eggs; Supporting devices for eggs during boiling
27/08	• Pressure cookers; Lids or locking devices specially adapted therefor	31/00	Apparatus for making beverages (household machines or implements for straining foodstuffs A47J 19/00; preparation of non-alcoholic beverages, e.g. by adding ingredients to fruit or vegetable juices, A23L 2/00; coffee or tea pots A47G 19/14; tea infusers A47G 19/16; dispensing beverages on draught B67D 1/00; brewing of beer C12C; preparation of wine or other alcoholic beverages C12G) [5]

- 31/02 • Coffee-making machines with removable extraction cups, to be placed on top of drinking-vessels, e.g. cafe filtre (filters A47J 31/06)
- 31/04 • Coffee-making apparatus with rising pipes
- 31/043 • • Vacuum-type coffee-making apparatus with rising pipes in which hot water is passed to the upper bowl in which the ground coffee is placed and subsequently the heat source is cut-off and the water is sucked through the filter by the vacuum in the lower bowl
- 31/047 • • • with automatic cut-off of heat supply
- 31/053 • • with repeated circulation of the extract through the filter
- 31/057 • • with water container separated from beverage container, the hot water passing the filter only once
- 31/06 • Filters or strainers for coffee or tea makers
- 31/08 • • Paper filter inlays therefor
- 31/10 • Coffee-making apparatus, in which the brewing vessel is placed above or in the upper part of the beverage containers; Drip coffee-makers (A47J 31/02 takes precedence)
- 31/12 • • in which the vapour from the boiling water is raised above the filter and after condensing passes through the filter
- 31/14 • Coffee- or tea-making apparatus with filters placed in or behind pouring spouts
- 31/16 • Inverting coffee-making apparatus in which water is boiled in the lower part and the apparatus is subsequently inverted to pass the water through the filter
- 31/18 • Apparatus in which ground coffee or tea-leaves are immersed in the hot liquid in the beverage container (infusing bags A47G 19/16)
- 31/20 • • having immersible, e.g. rotatable, filters
- 31/22 • Centrifuges for producing filtered coffee (A47J 31/20 takes precedence)
- 31/24 • Coffee-making apparatus in which hot water is passed through the filter under pressure (A47J 31/043 takes precedence)
- 31/30 • • with hot water under steam pressure
- 31/32 • • with hot water under air pressure
- 31/34 • • with hot water under liquid pressure
- 31/36 • • • with mechanical pressure-producing means
- 31/38 • • • operated by hand
- 31/40 • Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients, e.g. coffee, water, sugar, cocoa, milk, tea
- 31/41 • • of liquid ingredients [5]
- 31/42 • Beverage-making apparatus with incorporated grinding or roasting means for coffee
- 31/44 • Parts or details of beverage-making apparatus (filters or strainers A47J 31/06)
- 31/46 • • Dispensing spouts, pumps, drain valves or like liquid transporting devices
- 31/48 • • Clips, rings, hooks, or like devices to support filter parts while not in use
- 31/50 • • Urns with devices for keeping beverages hot or cool
- 31/52 • • Alarm-clock-controlled mechanisms for coffee- or tea-making apparatus
- 31/54 • • Water boiling vessels
- 31/56 • • • having water-level controls; having temperature controls
- 31/58 • • Safety devices
- 31/60 • • Cleaning devices
- 33/00 • **Camp cooking devices without integral heating means** (travelling cookers with one burner A47J 36/26; other travelling cookers heated by petroleum, gasoline, spirit, or the like F24C)
- 36/00 • **Parts, details or accessories of cooking-vessels** (A47J 27/00-A47J 33/00 take precedence insofar as these parts, details or accessories are restricted to a particular kind of cooking-vessel provided for in a single one of those groups; heating devices for cooking-vessels in general F24) [2]
- 36/02 • Selection of specific materials, e.g. heavy bottoms with copper inlay or with insulating inlay
- 36/04 • • the materials being non-metallic
- 36/06 • Lids or covers for cooking-vessels (specially adapted for pressure cookers A47J 27/08)
- 36/08 • • for draining liquids from vessels
- 36/10 • • Lid-locking devices
- 36/12 • • Devices for holding lids in open position on the container
- 36/14 • Pouring-spouts, e.g. as parts separate from vessel (spouts in general B05B 1/22)
- 36/16 • Inserts
- 36/18 • • Boilers or utensils with sieves inserted therein, e.g. potato-cookers
- 36/20 • • Perforated bases or perforated containers to be placed inside a cooking utensil
- 36/22 • • • Wire inserts (for deep fat fryers A47J 37/12)
- 36/24 • Warming devices
- 36/26 • • Devices for warming vessels containing drinks or food, especially by means of burners; Travelling cookers, e.g. using petroleum or gasoline with one burner
- 36/28 • • Warming devices generating the heat by exothermic reactions, e.g. heat released by the contact of unslaked lime with water
- 36/30 • • Devices for warming by making use of burning cartridges or other chemical substances
- 36/32 • Time-controlled igniting mechanisms or alarm devices
- 36/34 • Supports for cooking-vessels
- 36/36 • Shields or jackets for cooking utensils minimising the radiation of heat, fastened or movably mounted
- 36/38 • for withdrawing or condensing cooking vapours from cooking utensils (removing cooking fumes from domestic stoves or ranges F24C 15/20) [5]
- 36/40 • Leak-stopping devices for repairing cooking-vessels
- 36/42 • Devices to prevent deposition of scale, i.e. fur, or the like
- 37/00 • **Baking; Roasting; Grilling; Frying** (bakers' ovens, non-domestic baking apparatus or equipment A21B; domestic stoves or ranges F24B, F24C)
- 37/01 • Vessels uniquely adapted for baking (for use in bakers' ovens A21B)
- 37/04 • Roasting apparatus with movably-mounted food supports or with movable heating implements; Spits
- 37/06 • Roasters; Grills, Sandwich grills
- 37/07 • • Roasting devices for outdoor use; Barbecues
- 37/08 • • Bread-toasters (electric heating elements H05B)
- 37/10 • Frying-pans, including lids or basting devices
- 37/12 • Deep fat fryers, including apparatus specially adapted for frying fish

- 39/00 Heat-insulated warming chambers; Cupboards with heating arrangements for warming kitchen utensils**
- 39/02 • Dish-warmers; Devices to keep food hot
- 41/00 Thermally-insulated vessels, e.g. flasks, jugs, jars**
(containers with thermal insulation in general B65D 81/38)
- 41/02 • Vacuum-jacket vessels, e.g. vacuum bottles
- 42/00 Coffee mills; Spice mills** (as part of universal or multi-purpose machines A47J 43/04, A47J 44/00; grinding or pulverising in general B02C)
- 42/02 • having grinding cones
- 42/04 • • hand driven
- 42/06 • • mechanically driven
- 42/08 • • Adjusting mechanisms
- 42/10 • • Grinding cones
- 42/12 • having grinding discs
- 42/14 • • hand driven
- 42/16 • • mechanically driven
- 42/18 • • Adjusting mechanisms
- 42/20 • • Grinding discs
- 42/22 • having pulverising beaters or rotary knives
- 42/24 • • hand driven
- 42/26 • • mechanically driven
- 42/28 • • Beaters or knives
- 42/30 • • having perforated container for the ground material; having sieves
- 42/32 • with other grinding or pulverising members
- 42/34 • • hand driven
- 42/36 • • mechanically driven
- 42/38 • Parts or details
- 42/40 • • relating to discharge, receiving container or the like; Bag clamps, e.g. with means for actuating electric switches
- 42/42 • • • Drawers for receiving ground material
- 42/44 • • Automatic starting or stopping devices (bag clamps with means for actuating switches A47J 42/40); Warning devices
- 42/46 • • Driving mechanisms; Coupling to drives
- 42/48 • • Attachment of mills to tables, walls, or the like (attachment of household machines in general to tables, walls, or the like A47J 45/02)
- 42/50 • • Supplying devices, e.g. funnels; Supply containers
- 42/52 • • Coffee mills combined with roasting devices (coffee-roasting devices *per se* A23N 12/00)
- 42/54 • • Cooling
- 42/56 • • Safety devices
- 43/00 Implements for preparing or holding food, not provided for in other groups of this subclass**
- 43/04 • Machines for domestic use not covered elsewhere, e.g. for grinding, mixing, stirring, kneading, emulsifying, whipping or beating foodstuffs, e.g. power-driven (food straining implements A47J 19/00; devices for grating A47J 43/25; multi-purpose machines A47J 44/00)
- 43/042 • • Mechanically-driven liquid-shakers
- 43/044 • • with tools driven from the top side
- 43/046 • • with tools driven from the bottom side
- 43/06 • • with a plurality of interchangeable working units
- 43/07 • • Parts or details, e.g. mixing tools, whipping tools
- 43/08 • • • Driving mechanisms
- 43/09 • • • • with fluid drive, e.g. by jets
- 43/10 • Egg-whisks; Cream-beaters, i.e. hand implements
- 43/12 • Whipping by introducing a stream of gas
- 43/14 • Devices for opening raw eggs or separating the contents thereof
- 43/16 • Implements for introducing fat, bacon or the like into meat; Larding-pins
- 43/18 • Holding or clamping devices for supporting fowl, venison, or other meat, or vegetables, during cooking or during subsequent cutting
- 43/20 • Shapes for preparing foodstuffs, e.g. meat-patty moulding devices
- 43/22 • Kitchen sifters
- 43/24 • Devices for washing vegetables or the like
- 43/25 • Devices for grating [2]
- 43/26 • Nutcrackers (pliers B25B 7/00)
- 43/27 • for mixing drinks; Hand-held shakers (mechanically driven A47J 43/042)
- 43/28 • Other culinary hand implements, e.g. spatulas, pincers, forks or like food holders, ladles, skimming ladles, cooking spoons; Spoon-holders attached to cooking pots (calibrated capacity measures for fluids or fluent solid material G01F 19/00; weighing spoons G01G 19/56)
- 44/00 Multi-purpose machines for preparing food**
- 44/02 • with provisions for drive either from top or from bottom, e.g. for separately-driven bowl
- 45/00 Devices for fastening or gripping kitchen utensils**
(kitchen cabinets with provisions for attachment of kitchen implements or utensils A47B 77/00) [4]
- 45/02 • for fastening kitchen utensils to tables, walls, or the like (for household utensils A47G 29/087) [4]
- 45/06 • Handles for hollow-ware articles
- 45/07 • • of detachable type (separate handles A47J 45/10)
- 45/08 • • Heat-insulating handles (of detachable type A47J 45/07)
- 45/10 • Devices for gripping or lifting hot cooking utensils, e.g. pincers, separate pot handles, fabric or like pads (egg grasping devices A47J 29/06)
- 47/00 Kitchen containers, stands or the like, not provided for in other groups of this subclass** (containers in general B65D); **Cutting-boards, e.g. for bread** (with slicing devices B26D)
- 47/01 • with dispensing devices
- 47/02 • Closed containers for foodstuffs
- 47/04 • • for granulated foodstuffs
- 47/06 • • • with arrangements for keeping fresh
- 47/08 • • • for non-granulated foodstuffs
- 47/10 • • • with arrangements for keeping fresh
- 47/12 • • • Bread boxes
- 47/14 • Carriers for prepared human food (lunch boxes, picnic boxes, or the like A45C 11/20)
- 47/16 • Stands, or holders for kitchen articles (racks A47B)
- 47/18 • Pails for kitchen use
- 47/19 • • Edge protectors; Floor protectors
- 47/20 • Grids, racks, or other supports removably mounted in, on, or over sinks; Splash guards for sinks

A47K SANITARY EQUIPMENT NOT OTHERWISE PROVIDED FOR (connecting to water supply or waste pipe, sinks E03C; water-closets E03D); **TOILET ACCESSORIES** (cosmetic equipment A45D)

Subclass index

TOILET FITTINGS.....	1/00-10/00
CLOSETS; ACCESSORIES THEREFOR.....	11/00, 10/00, 13/00
OTHER EQUIPMENT.....	17/00

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- 1/00 Wash-stands; Appurtenances therefor** (devices for washing the hair or scalp A45D 19/00; basins used in manual washing or cleaning of crockery, table-ware, cooking-ware, or the like A47L 17/02; with appurtenances for curative purposes A61H)
- 1/02 • Portable toilet tables; Wash cabinets or stands (for automobiles B60R; for railway cars B61D; for ships B63B; for aircraft B64D; connected to waste pipe E03C)
- 1/04 • Basins (connected to waste pipe E03C 1/12); Jugs; Holding devices therefor
- 1/05 • • Holding devices for basins or jugs
- 1/06 • Replaceable hygienic linings or casings for wash-basins
- 1/08 • Accessories for toilet tables, e.g. glass plates, supports therefor (towel holders A47K 10/00)
- 1/09 • • Holders for drinking glasses, tooth brushes, hair brushes, or the like
- 1/10 • Detachable frames with hand basins mountable on baths
- 1/12 • Wash-basins attachable to sinks; Collapsible washing stands attachable to sinks (supports attachable to sinks in general A47J 47/20)
- 1/14 • Stoppers for wash-basins, baths, sinks, or the like
- 3/00 Baths; Showers; Appurtenances therefor** (for curative purposes A61H, A61M, e.g. bathing devices for special therapeutic or hygienic purposes A61H 33/00)
- 3/02 • Baths (combined with showers A47K 3/20; heatable F24H) [1, 7]
- 3/022 • • specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position (collapsible baths A47K 3/062)
- 3/024 • • • specially adapted for use for children or babies
- 3/03 • • attachable to other baths, sinks, wash-basins, or the like (collapsible baths A47K 3/07)
- 3/034 • • • specially adapted for use for children or babies
- 3/04 • • Built-in baths
- 3/06 • • Collapsible baths
- 3/062 • • • specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position
- 3/064 • • • specially adapted for use for children or babies
- 3/07 • • • attachable to other basins, or the like
- 3/074 • • • specially adapted for use for children or babies
- 3/08 • • Cabinet baths (shower cabinets A47K 3/30)
- 3/10 • Wave-producers or the like
- 3/12 • Separate seats or body supports (seats for chairs A47C 7/02)
- 3/14 • Replaceable separating walls for baths (sinks with separating walls E03C 1/18)
- 3/16 • Devices for fastening baths to floors or walls; Adjustable bath feet
- 3/162 • • Collapsible stands or supports for baths
- 3/164 • • • for child or baby baths
- 3/17 • • Adjustable bath feet
- 3/18 • combined with hand basins
- 3/20 • Baths combined with showers
- 3/26 • Bidets without upward spraying means (bidets with upward spraying means A61H 35/00, E03D 9/08) [7]
- 3/28 • Showers (combined with baths A47K 3/20; nozzles, spray heads B05B 1/00) [7]
- 3/30 • • Screens or cabinets [7]
- 3/32 • • • Collapsible cabinets [7]
- 3/34 • • • Slidable screens (A47K 3/36 takes precedence) [7]
- 3/36 • • • Articulated screens [7]
- 3/38 • • Curtain arrangements (curtains, curtain suspension devices A47H) [7]
- 3/40 • • Pans or trays [7]
- 4/00 Combinations of baths, showers, sinks, wash-basins, closets, or urinals, not covered by a single other group of this subclass**
- 5/00 Holders or dispensers for soap, toothpaste, or the like** (lather making devices for shaving A45D 27/02; specially adapted for shaving soap or cosmetics A45D 33/00-A45D 40/00)
- 5/02 • Soap boxes or receptacles
- 5/03 • • separate from wall or wash-stand
- 5/04 • Other soap-cake holders
- 5/05 • • having fixing devices for cakes of soap, e.g. clamps, pins, magnets
- 5/06 • Dispensers for soap
- 5/08 • • for solid soap
- 5/09 • • • with means for scraping or grating
- 5/10 • • for powdered soap
- 5/12 • • for liquid or pasty soap
- 5/122 • • • using squeeze bottles or the like
- 5/13 • • • of invertible type
- 5/14 • Foam or lather making devices
- 5/16 • • with mechanical drive (food mixers A47J 43/04)
- 5/18 • for both soap and toothpaste or the like; in combination with holders for drinking glasses, toothbrushes, or the like
- 7/00 Body washing or cleaning implements** (bathing devices for special therapeutic or hygienic purposes A61H 33/00; baths for specific parts of the body A61H 35/00)
- 7/02 • Bathing sponges, brushes, gloves, or similar cleaning or rubbing implements (brushes in general A46B; sponges for domestic cleaning A47L 13/16; specially for massage A61H 7/00)
- 7/03 • • containing soap or other cleaning ingredients, e.g. impregnated
- 7/04 • Washing or cleaning devices, hand or mechanically operated

- 7/06 • Washing devices for one-armed persons
7/08 • Devices or hand implements for cleaning the buttocks
- 10/00 Body-drying implements; Toilet paper; Holders therefor**
- 10/02 • Towels (made of paper A47K 10/16; woven fabrics D03D; non-woven fabrics D04H)
10/04 • Towel racks; Towel rails; Towel rods; Towel rolls, e.g. rotatable
10/06 • • combined with means for drying towels (A47K 10/30 takes precedence)
10/08 • • characterised by being mounted on wash-basins, baths, or the like
10/10 • • characterised by being mounted on cabinets, walls, doors, or the like
10/12 • Grips, hooks, or the like for hanging-up towels
10/14 • • Self-holding grips
10/16 • Paper towels; Toilet paper; Holders therefor (dispensers A47K 10/32)
10/18 • • Holders; Receptacles
10/20 • • • for piled sheets
10/22 • • • for rolled-up webs (drawing-off paper from a roll in general B65H)
10/24 • Towel dispensers; Toilet-paper dispensers (sheet or web dispensers in general B65H)
10/26 • • Mechanically-driven towel dispensers (A47K 10/28 takes precedence; for paper towels A47K 10/34)
10/28 • • dispensing a clean part and taking-up a soiled part, e.g. using rolls
10/30 • • • combined with washing and drying means for the soiled parts
10/32 • • Dispensers for paper towels or toilet-paper
10/34 • • • dispensing from a web, e.g. with mechanical dispensing means
10/36 • • • • with cutting devices
10/38 • • • • the web being rolled-up
10/40 • • • • with extensible or collapsible roll supports
10/42 • • • dispensing from a store of single sheets, e.g. stacked
10/44 • • • • with mechanical dispensing means
10/46 • • • with means for storing soiled towels
10/48 • Drying by means of hot air (hair-drying devices A45D 20/00; curative hot-air baths A61H 33/06; electric heating elements H05B)
- 11/00 Closets without flushing** (closets with recirculation of bowl-cleaning fluid E03D 5/016); **Urinals without flushing** (urinals for bed-ridden persons A61G 9/00; for vehicles in general B60R; closets for railway-cars B61D; for ships B63B; for aircraft B64D; urinals with flushing arrangements E03D 13/00); **Chamber pots; Chairs with toilet conveniences or specially adapted for use with toilets [5]**
- 11/02 • Dry closets, e.g. incinerator closets
11/03 • • having means for adding powder, e.g. earth
11/04 • Room closets; Chairs with toilet conveniences or specially adapted for use with toilets, e.g. night chairs [5]
11/06 • Chamber-pots (bed pans or other sanitary devices for bed-ridden persons A61G 9/00)
11/08 • Night cabinets or tables with closets or bidet equipment (bedside cabinets *per se* A47B 79/00)
11/10 • Hand tools for cleaning the toilet bowl
11/12 • Urinals without flushing
- 13/00 Seats or covers for all kinds of closets**
- 13/02 • of plastic materials
13/04 • Buffers for seats
13/06 • Auxiliary or portable seats for children
13/08 • Covers with urine funnels
13/10 • Devices for raising and lowering (thereby controlling flushing valves E03D 5/04)
13/12 • Hinges
13/14 • Protecting covers for closet seats
13/16 • • of single sheets of paper
13/18 • • of paper webs
13/20 • • • with cutting devices
13/22 • • • rolled-up (A47K 13/20 takes precedence)
13/24 • Parts or details not covered in, or of interest apart from, groups A47K 13/02-A47K 13/22
13/26 • • Mounting devices for seats or covers (hinges A47K 13/12)
13/28 • • Adjustably-mounted seats or covers
13/30 • • Seats having provisions for heating, deodorising or the like
- 17/00 Other equipment** (devices for receiving spittle A61J 19/00)
- 17/02 • Body supports, other than seats, for closets, e.g. handles, back-rests, foot-rests; Accessories for closets, e.g. reading tables

A47L DOMESTIC WASHING OR CLEANING (brushes A46B; cleaning quantities of bottles or of other hollow articles of one kind B08B 9/00; laundry D06F); **SUCTION CLEANERS IN GENERAL** (cleaning in general B08)

Note(s)

Machines or implements which can be used for cleaning windows, window shades, window screens, venetian blinds, as well as floors, carpets, furniture, walls, or wall coverings are classified in group A47L 11/00 or A47L 13/00.

Subclass index

CLEANING WINDOWS, THEIR SHADES, SCREENS, OR VENETIAN BLINDS.....	1/00, 3/00, 4/00
SUCTION CLEANERS.....	5/00, 7/00, 9/00
CLEANING FLOORS, CARPETS, FURNITURE OR WALLS.....	11/00, 13/00
CLEANING OR POLISHING HOUSEHOLD ARTICLES.....	15/00-21/00
CLEANING FOOTWEAR.....	23/00
OTHER DOMESTIC CLEANING DEVICES.....	25/00

Cleaning windows, window shades, window screens, venetian blinds**1/00 Cleaning windows**

- 1/02 • Power-driven machines or devices
- 1/03 • • cleaning both sides of a window simultaneously
- 1/05 • • Hand apparatus with built-in electric motors [3]
- 1/06 • Hand implements (with built-in electric motors A47L 1/05) [3]
- 1/08 • • with provision for supplying liquids, e.g. cleaning agents (A47L 1/095, A47L 1/13, A47L 1/15 take precedence) [3]
- 1/09 • • for cleaning one side with access from the other side only [3]
- 1/095 • • • with provision for supplying liquids, e.g. cleaning agents [3]
- 1/12 • • for cleaning both sides simultaneously [3]
- 1/13 • • • with provision for supplying liquids, e.g. cleaning agents [3]
- 1/15 • • Cloths, sponges, pads, or the like, e.g. containing cleaning agents [3]
- 1/16 • Devices for defrosting window-panes (H05B 3/84 takes precedence) [5]

3/00 Safety devices for use in window-cleaning (safety belts A62B 35/00; for scaffolding in general E04G; for ladders E06C)

- 3/02 • Cages; Platforms
- 3/04 • Safety ropes

4/00 Cleaning window shades, window screens, venetian blinds (A47L 1/15 takes precedence; suction cleaner nozzles A47L 9/02) [3]

- 4/02 • Hand implements for cleaning venetian blinds [3]
- 4/04 • Accessories facilitating cleaning, e.g. venetian blind separators, spreaders, or cleaning racks [3]

Suction cleaners [3]**5/00 Structural features of suction cleaners**

- 5/02 • with user-driven air-pumps or compressors
- 5/04 • • with pistons, bellows, or diaphragms, e.g. driven by the cleaner-supporting wheels
- 5/05 • • • with driven dust-loosening tools
- 5/06 • • with rotary fans
- 5/08 • • • driven by cleaner-supporting wheels
- 5/10 • • • • with driven dust-loosening tools
- 5/12 • with power-driven air-pumps or air-compressors, e.g. driven by motor vehicle engine vacuum
- 5/14 • • cleaning by blowing-off, also combined with suction cleaning
- 5/16 • • with suction devices other than rotary fans
- 5/18 • • • with ejectors, e.g. connected to motor vehicle exhaust
- 5/20 • • • with bellows, diaphragms or pistons
- 5/22 • • with rotary fans
- 5/24 • • • Hand-supported suction cleaners
- 5/26 • • • • with driven dust-loosening tools
- 5/28 • • • Suction cleaners with handles and nozzles fixed on the casings, e.g. wheeled suction cleaners with steering handle (A47L 5/24 takes precedence)
- 5/30 • • • • with driven dust-loosening tools, e.g. rotating brushes
- 5/32 • • • • with means for connecting a hose (hose couplings for suction cleaners A47L 9/24)

- 5/34 • • • • with height adjustment of nozzles or dust-loosening tools
- 5/36 • • • Suction cleaners with hose between nozzle and casing; Suction cleaners for fixing on staircases; Suction cleaners for carrying on the back
- 5/38 • • • Built-in suction cleaner installations, i.e. with fixed tube system to which, at different stations, hoses can be connected

7/00 Suction cleaners adapted for additional purposes (with floor-polishing tools A47L 11/20; suction devices for removing ash F23J 1/02); **Tables with suction openings for cleaning purposes; Containers for cleaning articles by suction; Suction cleaners adapted to cleaning of brushes; Suction cleaners adapted to taking-up liquids**

- 7/02 • with driven tools for special purposes
- 7/04 • for using the exhaust air for other purposes, e.g. for distribution of chemicals in a room, for sterilisation of the air (spraying or atomising in general B05)
- 7/06 • • for supporting the suction cleaner on the exhaust air
- 7/08 • • with combustion of dust in exhaust air

9/00 Details or accessories of suction cleaners, e.g. mechanical means for controlling the suction or for effecting pulsating action; Storing devices specially adapted to suction cleaners or parts thereof; Carrying-vehicles specially adapted for suction cleaners

- 9/02 • Nozzles (suction nozzles for fluid transport B65G 51/00)
- 9/04 • • with driven brushes or agitators
- 9/06 • • with fixed, e.g. adjustably fixed brushes or the like
- 9/08 • • with means adapted for blowing
- 9/10 • Filters (in general B01D; cyclones B04C); Dust separators; Dust removal; Automatic exchange of filters
- 9/12 • • Dry filters
- 9/14 • • Bags or the like; Attachment of, or closures for, bags
- 9/16 • • Arrangement or disposition of cyclones or other devices with centrifugal action
- 9/18 • • Liquid filters
- 9/19 • • Means for monitoring filtering operation [3]
- 9/20 • Means for cleaning filters
- 9/22 • Mountings for motor fan assemblies
- 9/24 • Hoses; Hose couplings (hoses or hose joints in general F16L)
- 9/26 • Incorporation of winding devices for electric cables (devices specially adapted for repeatedly paying-out or re-storing cables B65H 75/34; arrangements of electrical cables or lines between relatively-movable parts H02G 11/00)
- 9/28 • Installation of the electric equipment, e.g. adaptation or attachment to the suction cleaner; Regulation of suction cleaners by electric means
- 9/30 • • Arrangement of illuminating devices
- 9/32 • Handles

Cleaning floors, carpets, furniture, walls, or wall coverings**11/00 Machines for cleaning floors, carpets, furniture, walls, or wall coverings**

- 11/02 • Floor surfacing or polishing machines (polishing machines in general B24B 29/00)

- 11/03 • • characterised by having provisions for supplying cleaning or polishing agents
- 11/04 • • hand-driven
- 11/06 • • • with reciprocating or oscillating tools
- 11/08 • • • with rotating tools
- 11/10 • • motor-driven
- 11/12 • • • with reciprocating or oscillating tools
- 11/14 • • • with rotating tools
- 11/16 • • • • the tools being disc brushes
- 11/162 • • • • • having only a single disc brush
- 11/164 • • • • • Parts or details of the brushing tools
- 11/18 • • • • the tools being roll brushes
- 11/19 • • • • • Parts or details of the brushing tools
- 11/20 • • combined with vacuum cleaning devices
- 11/202 • • • having separate drive for the cleaning brushes
- 11/204 • • • having combined drive for brushes and for vacuum cleaning
- 11/205 • • • • for reciprocating brushes
- 11/206 • • • • for rotary disc brushes
- 11/22 • Floor-sweeping machines, hand-driven
- 11/24 • Floor-sweeping machines, motor-driven
- 11/26 • Floor-scrubbing machines, hand-driven (A47L 11/29 takes precedence)
- 11/28 • Floor-scrubbing machines, motor-driven (A47L 11/29 takes precedence)
- 11/282 • • having rotary tools
- 11/283 • • • the tools being disc brushes
- 11/284 • • having reciprocating tools
- 11/29 • Floor-scrubbing machines characterised by means for taking-up dirty liquid
- 11/292 • • having rotary tools (A47L 11/30 takes precedence)
- 11/293 • • • the tools being disc brushes
- 11/294 • • having reciprocating tools (A47L 11/30 takes precedence)
- 11/30 • • by suction
- 11/32 • Carpet-sweepers (combined with suction cleaners A47L 7/02)
- 11/33 • • having means for storing dirt
- 11/34 • Machines for treating carpets in position by liquid, foam, or vapour, e.g. by steam
- 11/36 • Machines for beating upholstery
- 11/38 • Machines, specially adapted for cleaning walls, ceilings, roofs, or the like
- 11/40 • Parts or details of machines not covered in, or of interest apart from, groups A47L 11/02-A47L 11/38, e.g. handles, arrangement of switches, skirts, buffers, levers
- 13/00 Implements for cleaning floors, carpets, furniture, walls, or wall coverings** (brushes, their handles or fastenings A46B, B25G; scrapers for finishing work on buildings E04F 21/00)
- 13/02 • Scraping
- 13/022 • • Scraper handles
- 13/03 • • Scrapers having provisions for supplying cleaning agents
- 13/04 • • with steel wool
- 13/06 • • with wire brushes or wire meshes
- 13/07 • • • Metal sponges (A47L 13/022, A47L 13/03 take precedence)
- 13/08 • • with scraping blades
- 13/10 • Scrubbing; Scouring; Cleaning; Polishing
- 13/11 • • Squeegees [3]
- 13/12 • • Implements with several different treating devices [3]
- 13/14 • • combined with squeezing or wringing devices
- 13/142 • • • having torsional squeezing or wringing action
- 13/144 • • • having squeezing rollers
- 13/146 • • • having pivoting squeezing plates
- 13/16 • • Cloths; Pads; Sponges (metal scraping sponges A47L 13/07)
- 13/17 • • • containing cleaning agents (A47L 13/19 takes precedence)
- 13/18 • • • Gloves; Glove-like cloths
- 13/19 • • • • containing cleaning agents
- 13/20 • • Mops
- 13/22 • • • with liquid-feeding devices
- 13/23 • • • • connectible to the water mains
- 13/24 • • • Frames for mops; Mop heads (handles B25G)
- 13/25 • • • • Wire frames
- 13/252 • • • • • for mops of textile fringes or the like
- 13/253 • • • • • of adjustable or foldable type
- 13/254 • • • • Plate frames
- 13/255 • • • • • for mops of textile fringes or the like
- 13/256 • • • • • for mops made of cloth
- 13/257 • • • • • for mops made of sponge material
- 13/258 • • • • • of adjustable or foldable type
- 13/26 • • Other cleaning devices with liquid supply arrangements (such arrangements on floor-polishing machines A47L 11/00, on scrapers A47L 13/03, on mops A47L 13/22; cloths, pads, or the like containing cleaning agents A47L 13/17, A47L 13/19) [3]
- 13/28 • • Polishing implements (polishing machines A47L 11/02)
- 13/282 • • • mounted under footwear
- 13/284 • • • having fixed or detachable weights
- 13/286 • • • having containers for storing polishing material, e.g. polishing paper
- 13/29 • • • having movable or detachable polishing or shining cloths
- 13/294 • • • having invertible head, one side being used for dispensing polishing material and the reverse side for shining
- 13/30 • • • Implements for polishing and waxing or oiling, with dispensers for wax or oil
- 13/31 • • • • having movable or detachable polishing or shining cloths
- 13/312 • • • • • supplied with liquid wax or oil
- 13/314 • • • • having invertible head, one side being used for dispensing wax or oil and the reverse side for shining
- 13/316 • • • • • supplied with liquid wax or oil
- 13/32 • • • Wax dispensers with heating arrangements
- 13/34 • • Scouring implements for hearths or metal objects
- 13/36 • • Carpet-beaters
- 13/38 • • Other dusting implements
- 13/40 • • Cleaning implements actuated by electrostatic attraction; Devices for cleaning same; Magnetic cleaning implements
- 13/41 • • • Magnetic cleaning implements
- 13/42 • • Details
- 13/44 • • • Securing scouring-cloths to the brush or like body of the implement
- 13/46 • • • Securing scouring- or polishing-cloths or sponges to the handles by gripping means, tongs, or the like
- 13/48 • • • Protective devices, such as bumpers or guard plates

A47L

- 13/50 • • Auxiliary implements (cleaning devices for brushes or the like A46B 17/06)
- 13/502 • • • Shakers for dust-cloths or mops; Bumpers therefor
- 13/51 • • • Storing of cleaning tools, e.g. containers therefor
- 13/512 • • • • Clamping devices for hanging the tools
- 13/52 • • • Dust pans; Crumb trays
- 13/54 • • • Racks for beating carpets
- 13/56 • • • Implements for applying wax or oil
- 13/58 • • • Wringers for scouring pads, mops, or the like, combined with buckets
- 13/59 • • • • with movable squeezing members
- 13/60 • • • • with squeezing rollers
- 13/62 • • • Kneeling supports, especially wheeled (kneeling cushions attachable to knees A41D 13/06)

Cleaning or polishing household articles or the like

15/00 Washing or rinsing machines for crockery or table-ware

- 15/02 • with circulation and agitation of the cleaning liquid in the cleaning chamber containing a stationary basket
- 15/04 • • by reciprocating movement of the cleaning chamber
- 15/06 • • by means of an impeller in the chamber
- 15/08 • • by application of a pressure effect produced by pumps
- 15/10 • • by introducing compressed air or other gas into the liquid
- 15/12 • • by a boiling effect
- 15/13 • • using sonic or ultrasonic waves [5]
- 15/14 • with stationary crockery baskets and spraying devices within the cleaning chamber
- 15/16 • • with rigidly-mounted spraying devices
- 15/18 • • with movably-mounted spraying devices
- 15/20 • • • Swingable spraying devices
- 15/22 • • • Rotary spraying devices
- 15/23 • • • • moved by means of the sprays
- 15/24 • with movement of the crockery baskets by conveyers
- 15/26 • with movement of the crockery baskets by other means
- 15/28 • • by lowering and lifting only
- 15/30 • • by rotating only
- 15/32 • • • rotated by means of spraying water
- 15/33 • • • with moving baskets submerged in the cleaning fluid
- 15/34 • • by lowering and lifting combined with a rotating movement
- 15/36 • • by a sideways motion
- 15/37 • with crockery cleaned by brushes [3]
- 15/39 • • with brushes on movable supports [3]
- 15/42 • Details
- 15/44 • • Devices for adding cleaning agents
- 15/46 • • Devices for the automatic control of the different phases of cleaning
- 15/48 • • Drying arrangements
- 15/50 • • Racks

17/00 Apparatus or implements used in manual washing or cleaning of crockery, table-ware, cooking-ware or the like (foam-making devices A47K 5/14)

- 17/02 • Basins (dish-washing tables A47B 33/00; sanitary basins A47K 1/04; basins connected to waste pipe E03C 1/12)
- 17/04 • Pan or pot cleaning utensils
- 17/06 • • Scrapers
- 17/08 • • Pads; Balls of steel wool, wire, or plastic meshes
- 17/10 • Tongs for crockery

19/00 Drying devices for crockery or table-ware, e.g. tea-cloths

- 19/02 • Draining-boards
- 19/04 • Crockery baskets; Draining-racks

21/00 Polishing of table-ware, e.g. knives, forks, spoons

- 21/02 • Machines
- 21/04 • Hand implements
- 21/06 • Supports or rests for use while polishing

23/00 Cleaning footwear

- 23/02 • Shoe-cleaning machines, with or without applicators for shoe polish
- 23/04 • Hand implements for shoe-cleaning, with or without applicators for shoe polish (ordinary brushes, with or without containers, A46B 11/00)
- 23/05 • • with applicators for shoe polish
- 23/06 • • with electric drive
- 23/08 • • Special hand implements for cleaning and recolouring footwear, e.g. powder pads
- 23/10 • • Cloth or collapsible cleaning pads; Glove-like cleaning cloths (glove-like washing cloths A47K 7/02)
- 23/12 • • Cleaning devices for suede
- 23/14 • • Implements for use during shoe-cleaning, to guard against spoiling
- 23/16 • Shoe-shine stands; Foot-rests with guides for the polishing cloths
- 23/17 • • Foot-rests with guides for the polishing cloths
- 23/18 • Devices for holding footwear during cleaning or shining (shoe-lasts A43D 3/00); Holding devices with stretching effect
- 23/20 • Devices or implements for drying footwear, also with heating arrangements (cabinets for shoes A47B 61/04)
- 23/22 • Devices or implements resting on the floor for removing mud, dirt, or dust from footwear (built-in gratings, e.g. foot-scrappers, E04F 19/10)
- 23/24 • • Rigid cleaning-gratings; Tread plates or scrapers for cleaning the soles of footwear (floor mats in general A47G 27/02)
- 23/26 • • Mats or gratings combined with brushes
- 23/28 • Receptacles for shoe-cleaning equipment

25/00 Domestic cleaning devices not provided for in other groups of this subclass (for cleaning spectacles G02C 13/00)

- 25/02 • for buttons, clasps, or military insignia
- 25/04 • for door-knobs
- 25/06 • Guard plates for use while cleaning butts, door-knobs or the like
- 25/08 • Pads or the like for cleaning clothes
- 25/12 • Devices or implements for cleaning lamp chimneys