

A63 SPORTS; GAMES; AMUSEMENTS

A63B APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT

Subclass Index

GYMNASTIC APPARATUS

Bars; Balance beams.....	1/00, 3/00; 4/00
Apparatus for jumping; stilts.....	5/00, 6/00; 25/00
Freely-suspended apparatus; climbing poles, frames, or stages.....	7/00; 9/00
Clubs.....	15/00
Other exercising apparatus.....	17/00 to 23/00, 26/00
Controls.....	24/00

APPARATUS FOR SPECIAL SPORTS

Climbing, mountaineering.....	27/00, 29/00
Swimming.....	31/00 to 35/00
Balls.....	37/00 to 47/00
Golf equipment.....	53/00 to 57/00
Other equipment for ball games.....	49/00, 51/00, 59/00, 61/00, 63/00
Implements for throwing.....	65/00
Training equipment.....	69/00

OTHER SPORTING GAMES; OTHER

ACCESSORIES.....	67/00; 71/00
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Gymnastic exercising apparatus (training apparatus for special sports A63B 69/00; apparatus for passive exercising, massage A61H) [3]

1/00 Horizontal bars

- 1/04 . Cleaning the rods

3/00 Parallel bars or similar apparatus**4/00 Balance beams [5]****5/00 Apparatus for jumping** (mats for jumping A63B 6/00; for racing or riding sports, e.g. hurdles, A63K) [5]

- 5/02 . High-jumping posts
- 5/04 . . Ropes therefor
- 5/06 . Vaulting poles
- 5/08 . Spring-boards (of trampoline type A63B 5/11) [5]
- 5/10 . . for aquatic sports
- 5/11 . Trampolines [5]
- 5/12 . Bolster vaulting apparatus, e.g. horses, bucks, tables
- 5/16 . Training devices for jumping; Devices for balloon-jumping; Jumping aids
- 5/20 . Skipping-ropes
- 5/22 . Foot obstacles for skipping

6/00 Mats or the like for absorbing shocks for jumping, gymnastics or the like [5]

- 6/02 . for landing, e.g. for pole vaulting [5]

7/00 Freely-suspended gymnastic apparatus

- 7/02 . Swinging rings; Trapezes
- 7/04 . Climbing-ropes
- 7/06 . Rotors with hanging ropes
- 7/08 . Apparatus for rope-dancing

9/00 Climbing poles, frames, or stages**15/00 Clubs**

- 15/02 . with illuminating devices

17/00 Exercising apparatus combining several parts such as ladders, rods, beams, slides

- 17/02 . rigidly combined
- 17/04 . separable

19/00 Hoop exercising apparatus

- 19/02 . Freely-movable rolling hoops, e.g. gyrowheels
- 19/04 . movably supported on a framework

21/00 Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices (electric or electronic controls therefor A63B 24/00; measuring muscular strength A61B 5/22)

- 21/002 . isometric or isokinetic, i.e. substantial force variation without substantial muscle motion [5]
- 21/005 . using electromagnetic or electric force-resisters [5]
- 21/008 . using hydraulic or pneumatic force-resisters [5]
- 21/012 . using frictional force-resisters [5]
- 21/015 . . including rotating or oscillating elements [5]
- 21/018 . . including a rope moving relative to the surface of elements [5]
- 21/02 . using resilient force-resisters [5]
- 21/04 . . attached to static foundation
- 21/045 . . having torsion element [5]
- 21/05 . . Linearly-compressed elements [5]
- 21/055 . . extension element type [5]
- 21/06 . User-manipulated weights [5]
- 21/062 . . including guide for vertical array of weights [5]
- 21/065 . . worn on user's body [5]
- 21/068 . . using user's body weight [5]
- 21/072 . . Dumb-bells, bar-bells or the like [5]
- 21/075 . . . with variable weights [5]
- 21/078 . . Devices for bench press exercises [5]
- 21/08 . . anchored at one end
- 21/16 . Supports for anchoring force-resisters
- 21/22 . Resisting devices with rotary bodies
- 21/28 . Devices for two persons operating in opposition

22/00 Exercising apparatus specially adapted for conditioning the cardio-vascular system, for training agility or co-ordination of movements (force-resisting aspects A63B 21/00; electric or electronic controls therefor A63B 24/00) [5]

- 22/02 . with movable endless bands [5]
- 22/04 . with movable steps [5]
- 22/06 . with rotating cycling movement (support stands for bicycles A63B 69/16; unicycles B62K 1/00) [5]
- 22/08 . . for the legs [5]

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- 22/10 . . for the arms [5]
 - 22/12 . . for legs and arms simultaneously [5]
 - 22/14 . Platforms for reciprocating rotating motion about a vertical axis [5]
 - 22/16 . Platforms for rocking motion about a horizontal axis; Balancing drums; Balancing boards or the like [5]
 - 22/18 . with elements having a circulating or rotating movement, generated by oscillating movement of the user (hoop exercising apparatus A63B 19/00) [5]
 - 22/20 . using rollers, wheels, castors or the like to be moved over the floor or other surface during exercising [5]
 - 23/00 Exercising apparatus specially adapted for particular parts of the body** (A63B 22/00 takes precedence; force-resisting aspects A63B 21/00; electric or electronic controls therefor A63B 24/00; devices for exercising or strengthening of fingers or arms in teaching operation of keyboards G09B, e.g. G09B 15/06) [5]
 - 23/02 . for the abdomen, the spinal column, the torso, or the shoulders
 - 23/025 . for the head or neck [5]
 - 23/03 . . for face muscles [5]
 - 23/035 . for limbs, i.e. upper or lower limbs, e.g. simultaneously [5]
 - 23/04 . . for lower limbs [5]
 - 23/08 . . . for ankle-joints [5]
 - 23/10 . . . for feet or toes [5]
 - 23/12 . . for upper limbs [5]
 - 23/14 . . . for wrist-joints [5]
 - 23/16 . . . for hands or fingers [5]
 - 23/18 . for improving respiratory function [5]
 - 23/20 . for vaginal muscles [5]
 - 24/00 Electric or electronic controls for exercising apparatus of groups A63B 1/00 to A63B 23/00** [5]
 - 25/00 Stilts or the like**
 - 25/02 . Elastic stilts
 - 25/04 . with wheels
 - 25/06 . Shoes formed with stilts to elongate the step
 - 25/08 . Hopping-sticks, e.g. pogo sticks
 - 25/10 . Elastic bouncing shoes fastened to the foot
 - 26/00 Exercising apparatus not covered by groups A63B 1/00 to A63B 25/00** [5]
- Climbing; Mountaineering**
- 27/00 Apparatus for climbing poles, trees, or the like** (safety belts for climbers A62B 35/00)
 - 27/02 . Climbing devices for round poles attachable to the feet
 - 27/04 . Climbing devices for profile poles attachable to the feet
 - 29/00 Apparatus for mountaineering** (helmets A42B 3/00; non-skid devices or attachments for footwear, e.g. mountain climbing irons, A43C 15/00; breathing masks or helmets for use at high altitudes A62B 18/00; picks B25D 7/00) [3]
 - 29/02 . Mountain guy-ropes or accessories, e.g. avalanche ropes; Means for indicating the location of accidentally buried, e.g. snow-buried, persons (detecting hidden masses G01V)
 - 29/04 . Steps for climbing (for permanent fixing E06C 9/04)
 - 29/08 . Hand equipment for climbers

Swimming

- 31/00 Swimming aids** (teaching swimming A63B 69/10 to A63B 69/14; life-saving in water B63C 9/00)
 - 31/02 . Swimming gloves
 - 31/04 . . with arrangements for enlarging the propulsive surface
 - 31/08 . Swim fins, flippers or other swimming aids held by, or attachable to, the hands, arms, feet or legs (A63B 31/18 takes precedence; worn as gloves A63B 31/02) [3]
 - 31/10 . . held by, or attachable to, the hands or feet [3]
 - 31/11 . . . attachable only to the feet [3]
 - 31/12 . . held by, or attachable to, the arms or legs [3]
 - 31/14 . . with valve-flaps
 - 31/16 . . with arrangements for varying the size of the swimming surface
 - 31/18 . Swimming appliances with propulsive effect for hands and feet simultaneously
- 33/00 Swimming equipment attachable to the head, e.g. swimming helmets, swimming goggles** (breathing aids, e.g. snorkels, B63C 11/12)
- 35/00 Swimming framework with driving mechanisms operated by the swimmer or by a motor** (other vessels or like floating structures for pleasure or sport B63B 35/71, B63B 35/73; divers' sleds or like craft B63C 11/46)
 - 35/02 . shaped like a fish tail
 - 35/04 . with paddle wheels
 - 35/06 . with twin-bladed paddles or buoyant members
 - 35/08 . with propeller propulsion
 - 35/10 . . operated by the swimmer
 - 35/12 . . operated by a motor

Balls

- 37/00 Solid balls; Marbles** (heavy throwing-balls A63B 65/06)
 - 37/02 . Special cores
 - 37/04 . . Rigid cores
 - 37/06 . . Elastic cores
 - 37/08 . . Liquid cores; Plastic cores
 - 37/10 . . with eccentric centre of gravity
 - 37/12 . Special coverings
 - 37/14 . Special surfaces
- 39/00 Hollow non-inflatable balls**
 - 39/02 . Arrangements for maintaining the pressure
 - 39/04 . . Pricking balls
 - 39/06 . Special coverings
 - 39/08 . . made of two halves
- 41/00 Hollow inflatable balls** (connecting valves to inflatable elastic bodies B60C 29/00; valves, e.g. self-closing valves, F16K)
 - 41/02 . Bladders
 - 41/04 . . Closures therefor
 - 41/08 . Ball covers; Closures therefor
 - 41/10 . Bladder and cover united
 - 41/12 . Tools or devices for blowing up or closing balls (air pumps F04)
- 43/00 Balls with special arrangements**
 - 43/02 . with a handle

- 43/04 . with an eccentric centre of gravity; with mechanism for changing the centre of gravity (solid balls A63B 37/10)
- 43/06 . with illuminating devices
- 45/00 Apparatus or methods for manufacturing balls** (working of plastics or substances in a plastic state B29)
- 45/02 . Marking of balls
- 47/00 Devices for handling or treating balls**
- 47/02 . for picking-up
- 47/04 . for cleaning balls (apparatus for cleaning balls, as accessories for bowling- or table alleys A63D 5/10)

Rackets, bats, or other accessories for ball games

- 49/00 Tennis, badminton, or like rackets**
- 49/02 . Frames
- 49/04 . . with balancing devices
- 49/06 . . with slits
- 49/08 . . with special construction of the handle
- 49/10 . . made of non-metallic materials, other than wood
- 49/12 . . made of metal
- 49/14 . . Protection devices on the frame
- 49/16 . Presses
- 49/18 . Covers
- 51/00 Stringing tennis rackets**
- 51/02 . Strings; String substitutes
- 51/04 . . Sheet-like structures used as substitutes
- 51/06 . Double-sided stringings
- 51/08 . Diagonal stringings
- 51/10 . Reinforcements for stringings
- 51/12 . Devices arranged in or on the racket for adjusting the tension of the strings
- 51/14 . Devices for stringing
- 51/16 . . Machines or apparatus for stringing while manufacturing
- 53/00 Golf clubs**
- 53/02 . Joint structures between the head and the shaft
- 53/04 . Heads
- 53/06 . . adjustable
- 53/08 . with special arrangements for obtaining a variable impact
- 53/10 . Non-metallic shafts
- 53/12 . Metallic shafts
- 53/14 . Handles
- 53/16 . . adjustable
- 55/00 Bags for golf clubs; Stands for golf clubs for use on the course**
- 55/02 . with special receptacles for the balls
- 55/04 . Supports with devices for anchoring to the ground
- 55/06 . . Bags with tripod or like set-up stands
- 55/08 . Wheeled carriers for golf bags (running gear or propulsion features B60)
- 55/10 . Stands for golf clubs for use on the course
- 57/00 Golf game accessories, e.g. golf cups, golf tees**
- 59/00 Bats, rackets, or the like, for other games** (bats with a ball tethered thereto A63B 67/20)
- 59/02 . for lacrosse, pelota, or similar games
- 59/04 . for table tennis
- 59/06 . for baseball, rounders, or similar games
- 59/08 . for cricket
- 59/10 . for croquet

- 59/12 . for hockey
- 59/14 . for ice hockey
- 59/16 . for polo
- 59/18 . Circular bats for other games
- 61/00 Tennis nets or accessories for tennis or like games**
- 61/02 . Posts; Revolvably-mounted posts
- 61/04 . Straining or adjusting devices for nets
- 63/00 Targets or goals for ball games** (golf cups A63B 57/00)
- 63/02 . rigidly mounted (A63B 63/08 takes precedence) [3]
- 63/04 . adjustably or pivotally mounted (A63B 63/08 takes precedence) [3]
- 63/06 . Revolving targets
- 63/08 . with horizontal opening for ball, e.g. for basketball [3]

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- 65/00 Implements for throwing** (throwing toys A63H 33/18; throwing weapons F41B)
 - 65/02 . Darts, spears or the like
 - 65/04 . Throwing-hammers
 - 65/06 . Heavy throwing-balls
 - 65/08 . Boomerangs
 - 65/10 . Discus discs; Quoits
 - 65/12 . Ball-throwing apparatus with or without catchers
 - 67/00 Sporting games not provided for in groups A63B 1/00 to A63B 65/00**
 - 67/02 . Special golf games, e.g. miniature golf
 - 67/04 . Table games physically beneficial for the human body, modelled on outdoor sports, e.g. table tennis (other table games A63F)
 - 67/06 . Ring or disc tossing games
 - 67/08 . Juggling or spinning ball games played as games of skill
 - 67/10 . Games with thread-suspended or swingably- mounted bodies, e.g. balls, pointed bodies shaped as birds, animals, or the like, for aiming at and hitting targets (games using a bat with a ball tethered thereto A63B 67/20; pin games with tethered balls A63D 7/00)
 - 67/12 . Flip games
 - 67/14 . Curling stone; Shuffleboard; Similar sliding games
 - 67/16 . Tethered aerial top or spinner games
 - 67/18 . Badminton, shuttlecock, or like games with feathered missiles
 - 67/20 . Games using a bat with a ball tethered thereto [3]
 - 67/22 . . the bat having one or more holes therein [3]
 - 69/00 Training appliances or apparatus for special sports** (training of parachutists B64D 23/00)
 - 69/02 . for fencing
 - 69/04 . simulating the movement of horses (toy animals for riding A63G 19/00)
 - 69/06 . for rowing or sculling
 - 69/08 . . with water-filled pools
 - 69/10 . Swimming instruction apparatus for use without water
 - 69/12 . Arrangements in swimming pools for teaching swimming
 - 69/14 . . Teaching frames for swimming
 - 69/16 . for cycling
 - 69/18 . for skiing
 - 69/20 . Punching balls
 - 69/22 . . mounted on, or suspended from, a fixed support

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- 69/24 . . . mounted on, or suspended from, a movable support
 - 69/26 . . . attached to the human body
 - 69/28 . . Attachments located on the balls at opposite points
 - 69/30 . . . Resilient attachments
 - 69/32 . . with indicating devices
 - 69/34 . Boxing or football dummies
 - 69/36 . for golf
 - 69/38 . for tennis
 - 69/40 . Stationarily-arranged devices for projecting balls (sling weapons F41B 3/00; traps for clay-pigeon targets F41J 9/18)
- 71/00 Games or sports accessories not covered in groups A63B 1/00 to A63B 69/00 (starting appliances A63K 3/02)**
- 71/02 . for large-room or outdoor sporting games
 - 71/04 . for small-room or indoor sporting games
 - 71/06 . Indicating or scoring devices for games or players (timing devices G07C)
 - 71/08 . Body-protectors for players or sportsmen (protective clothing or garments for sporting purposes A41D 13/00)
 - 71/10 . . for the head (in the form of caps or hats A42B 1/08; helmets A42B 3/00)
 - 71/12 . . for the body or the legs
 - 71/14 . . for the hands, e.g. baseball, boxing, or golfing gloves (archer's finger tabs F41B 5/16)
 - 71/16 . . . air-filled (connection of valves to inflatable elastic bodies B60C 29/00)

A63C SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (devices for underwater sports A63B 31/00, A63B 33/00, B63C 11/00; devices for gliding on water, e.g. water skis, B63B 35/79, B63B 35/81, B63B 35/83) [5]

Subclass Index

SKATES		Snow shoes.....	13/00
Ice skates.....	1/00, 3/00	PLAYING-COURTS, RINKS, BOWLING	
Roller skates	17/00	GREENS OR AREAS FOR WATER-SKIING,	
SKIS, SNOW SHOES		COVERS THEREFOR.....	19/00
Snow skis.....	5/00 to 11/00		

Skates: Accessories for skating

- 1/00 Skates** (roller skates or skate boards A63C 17/00)
- 1/02 . rigidly mounted on the sole of the boot
- 1/04 . fastened by means of clamps
- 1/06 . . with sole and heel plates each equipped with clamps
- 1/08 . . with simultaneously-tightened sole and heel clamps
- 1/10 . . tightened by the movement of the foot
- 1/12 . . tightened by lateral swinging or shifting of the blade or of the whole skate
- 1/14 . . tightened by means of springs
- 1/16 . . Special structure of the clamp fastening devices
- 1/18 . fastened by means of straps
- 1/20 . with fastening means on special metal parts
- 1/22 . with special foot-plates of the boot
- 1/24 . . Elastic plates
- 1/26 . . divided into two parts permitting adjustment to the size of the foot
- 1/28 . . Pivotaly-mounted plates
- 1/30 . with special blades
- 1/32 . . Special constructions of the simple blade
- 1/34 . . Multi-part blades
- 1/36 . . with several blades
- 1/38 . of the tubular type
- 1/40 . manufactured of one piece of material
- 1/42 . Manufacture of skates

3/00 Accessories for skates

- 3/02 . Supports for the foot-joint (footwear with foot-supporting parts A43B 7/14)
- 3/04 . Supporting frames or gliders for skaters

- 3/06 . Supports for use whilst strapping skates on to boots
- 3/08 . Special spikes for the blades of skates
- 3/10 . Auxiliary devices for sharpening blades
- 3/12 . Guards for skate blades
- 3/14 . Keys for skates

Skis: Accessories for skiing

- 5/00 Skis; Ski vehicles** (sledges with runners, e.g. ski-bobs, B62B 13/00)
- 5/02 . collapsible; divided
- 5/025 . Short skis [4]
- 5/03 . Mono-skis [4]
- 5/035 . Skis with ground engaging rolls or belts [4]
- 5/04 . Structure of the ski surface [4]
- 5/044 . . of the running sole [4]
- 5/048 . . of the edges [4]
- 5/052 . . of the tips or rear ends [4]
- 5/056 . . Materials for the running sole [4]
- 5/06 . Special devices on parts of the skis, e.g. steering devices
- 5/065 . . Anti-crossing devices [4]
- 5/07 . . Means for adjusting stiffness of skis
- 5/075 . . Vibration-dampers (vibration dampers per se F16F 7/00) [4]
- 5/08 . Motor-driven skis (A63C 5/035 takes precedence) [4]
- 5/11 . Skis combined with sails or the like [4]
- 5/12 . Making of skis; Selection of particular materials (materials for the running sole A63C 5/056) [4]

- 5/14 . . using synthetic materials; having a plurality of bonded layers [4]
 - 5/16 . Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes [4]
 - 7/00 Devices preventing skis from slipping back; Ski-stoppers or ski-brakes [4]**
 - 7/02 . Skins; Substitutes for skins
 - 7/04 . Fastening-devices for skins
 - 7/06 . Tooth-shaped running sole-plates
 - 7/08 . Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position
 - 7/10 . Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position
 - 7/12 . Clamp-irons preventing lateral slipping
 - 9/00 Ski bindings**
 - 9/02 . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type
 - 9/04 . Non-self-releasing long strap bindings
 - 9/06 . Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski
 - 9/08 . yieldable or self-releasing in the event of an accident, i.e. safety bindings
 - 9/081 . . with swivel sole-plate
 - 9/082 . . with swivel heel-plate
 - 9/083 . . with loosenable cable strap
 - 9/084 . . with heel hold-downs, e.g. swingable
 - 9/085 . . with sole hold-downs, e.g. swingable
 - 9/086 . . using parts which are fixed on the shoe of the user and are releasable from the ski binding
 - 9/088 . . with electronically controlled locking devices [4]
 - 9/10 . Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece
 - 9/12 . Non-self-releasing elastic heel-straps
 - 9/14 . Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps
 - 9/16 . Non-self-releasing bindings without straps, but with guiding cheeks
 - 9/18 . Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding
 - 9/20 . Non-self-releasing bindings with special sole edge holders instead of toe-straps
 - 9/22 . Arrangements for adjusting the toe-clamps
 - 9/24 . Tighteners for ski bindings (tighteners for self-releasing ski bindings A63C 9/08)
 - 11/00 Accessories for skis** (fittings on vehicles for carrying skis B60R 9/12)
 - 11/02 . Devices for stretching, clamping or pressing skis for transportation or storage [4]
 - 11/04 . for treating skis
 - 11/06 . . Edge-sharpener
 - 11/08 . . Apparatus for waxing or dewaxing (ski waxes C09G 3/00)
 - 11/10 . Apparatus for towing skis
 - 11/12 . Apparatus for hooking the heel part of the boot to the ski
 - 11/14 . Apparatus for repairing damaged skis
 - 11/16 . Special devices on boots for fastening skis thereto (A63C 9/00 takes precedence)
 - 11/18 . Devices for removing snow from skis, ski-bindings or ski-boots
 - 11/20 . Snow-protectors on skis
 - 11/22 . Ski-sticks
 - 11/24 . . Rings for ski-sticks
 - 11/26 . Devices for use in mounting ski-bindings to skis, e.g. jigs [4]
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- 13/00 Snow shoes**
 - 13/02 . Snow shoe rings
 - 17/00 Roller skates; Skate-boards [4]**
 - 17/01 . Skate-boards (A63C 17/02 to A63C 17/28 take precedence) [4]
 - 17/02 . with wheels arranged in two pairs
 - 17/04 . with wheels arranged otherwise than in two pairs
 - 17/06 . . single-track type
 - 17/08 . . . single-wheel type
 - 17/10 . with endless tracks
 - 17/12 . with driving mechanisms
 - 17/14 . with brakes, e.g. toe stoppers, freewheel roller clutches
 - 17/16 . for use on specially shaped or arranged runways
 - 17/18 . convertible into ice or snow-running skates
 - 17/20 . with fixable wheels permitting the skates to be used for walking
 - 17/22 . Wheels for roller skates
 - 17/24 . . with ball-shaped or spherical running surfaces
 - 17/26 . with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices
 - 17/28 . with arrangements for sitting
 - 19/00 **Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor** (water roundabouts A63G 3/00; construction of surfaces or foundations E01C; roofs E04B 7/00; buildings or groups of buildings for sports E04H 3/10; swimming or splash baths or pools E04H 4/00; coverings for baths E04H 4/06) [4]
 - 19/02 . Shaping of the surface of courts according to the necessities of the different games
 - 19/04 . Mats or carpets for courts
 - 19/06 . Apparatus for setting-out or dividing courts
 - 19/08 . . Mechanical means for marking-out
 - 19/10 . Ice-skating or roller-skating rinks; Slopes or trails for skiing, ski-jumping or tobogganing (chutes A63G 21/00; ski-lifts B61B 11/00; making or maintaining surfaces of snow or ice suitable for traffic or sporting purposes E01H 4/00; removing snow or ice E01H 5/00; production of ice or snow F25C 3/00) [4]
 - 19/12 . Removable protective covers for courts, rinks or games pitches or the like [4]

A63D BOWLING-ALLEYS; BOWLING GAMES; BOCCIA; BOWLS; BAGATELLE; BILLIARDS (balls A63B; indoor games using small moving playing bodies, e.g. balls, A63F 7/00)

Subclass Index

BILLIARDS..... 13/00, 15/00

BOWLING GAMES..... 1/00 to 9/00, 13/00

1/00 Bowling-alleys; Boccia courts (bowling greens A63C 19/00)

- 1/02 . collapsible; portable
- 1/04 . Form or material of the surface; Pin-stands integral with the surface
- 1/06 . Adjusting apparatus; Stands for players
- 1/08 . Tracks for returning or circulating the balls

3/00 Table alleys; Miniature bowling-alleys; Bowling games (coin-freed G07F)

- 3/02 . Arrangement of devices for propelling or projecting the balls (such devices *per se* A63F 7/24)

5/00 Accessories for bowling-alleys or table alleys

- 5/02 . Apparatus for trapping or lifting the balls; Separate devices for returning the balls
- 5/04 . Indicating devices
- 5/06 . Pin stands
- 5/08 . Arrangements for setting-up or taking away pins
- 5/09 . . the pins being assembled in right order before setting down
- 5/10 . Apparatus for cleaning balls, pins, or alleys

7/00 Games of pins, e.g. ninepins, with tethered balls

9/00 Pins

13/00 Bagatelle; Similar games (devices for projecting or rolling-off the balls A63F 7/24)

Note

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

- “Bagatelle” means a modification of billiards in which the player’s object is to strike the balls so that they, and perhaps other balls, shall fall into numbered holes that determine the score.

15/00 Billiards; Billiard tables; Pocket Billiards (bagatelles A63D 13/00)

- 15/02 . Billiard tables adapted to rest on ordinary tables or the like
- 15/04 . Billiard tables convertible into other tables, or the like (into beds A47C 17/62)
- 15/06 . Cushions or fastenings therefor
- 15/08 . Cues (other devices for projecting the balls A63F 7/24)
 - 15/10 . . Apparatus for holding or handing-up cues
 - 15/12 . . Tip fastenings
 - 15/14 . . Means for roughening the cue-tips
- 15/16 . Chalk holders
- 15/20 . Scoring or registering devices (counting mechanisms in general G06M)

A63F CARD, BOARD, OR ROULETTE GAMES; INDOOR GAMES USING SMALL MOVING PLAYING BODIES; GAMES NOT OTHERWISE PROVIDED FOR (data-processing equipment characterised by a specific application for game playing G06F 17/00, G06F 19/00) [5]

1/00 Card games (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1,7]

- 1/02 . Cards; Special shapes of cards (card-printing methods B41K, B41M)
- 1/04 . Card games combined with other games
- 1/06 . Card game appurtenances
- 1/08 . . Card-presses
- 1/10 . . Card-holders
- 1/12 . . Card-shufflers
- 1/14 . . Card-dealers
- 1/16 . . Apparatus for indicating the dealer
- 1/18 . . Scoring or registering devices; Indicators (A63F 1/16 takes precedence; time-testing devices G07C)

3/00 Board games; Raffle games (racing games, traffic games, or obstacle games characterised by figures moved by action of the players A63F 9/14; aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1,7]

- 3/02 . Chess; Similar board games
- 3/04 . Geographical or like games
- 3/06 . Lottos or bingo games; Systems, apparatus or devices for checking such games [5]
- 3/08 . Raffle games that can be played by a fairly large number of people

5/00 Roulette games (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1,7]

- 5/02 . Roulette-like ball games
- 5/04 . Disc roulettes; Dial roulettes; Teetotums; Dice-tops

- 7/00 Indoor games using small moving playing bodies, e.g. balls, discs or blocks** (board games, raffle games A63F 3/00; roulette games A63F 5/00; aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00; miniature bowling games A63D 3/00; bagatelle or similar games A63D 13/00; billiards, pocket billiards A63D 15/00) [1,7]
- 7/02 . using falling playing bodies or playing bodies running on an inclined surface, e.g. pinball games
- 7/04 . using balls to be shaken or rolled in small boxes
- 7/06 . Games simulating outdoor ball games, e.g. hockey (if physically beneficial for the human body A63B 67/00)
- 7/07 . . in which the playing bodies contact, or are supported by, the playing surface continuously, e.g. using air-cushion support [3]
- 7/20 . . in which the playing bodies are projected through the air [3]
- 7/22 . Accessories; Details [3]
- 7/24 . . Devices controlled by the player to project or roll-off the playing bodies (arrangement of such devices in table alleys, miniature bowling-alleys or bowling games A63D 3/02; in bagatelle or billiards A63D 13/00, A63D 15/00) [3]
- 7/26 . . . electric or magnetic [3]
- 7/28 . . . using gravity [3]
- 7/30 . . Obstacles; Targets; Scoring or pocketing devices; Playing-body-actuated sensors, e.g. switches; Tilt indicators [3]
- 7/32 . . . Apparatus for varying scoring values [3]
- 7/34 . . Other devices for handling the playing bodies, e.g. bonus ball return means [3]
- 7/36 . . Constructional details not covered by groups A63F 7/24 to A63F 7/34, e.g. frames, game boards, guide tracks [3]
- 7/38 . . . Playing surfaces movable during play [3]
- 7/40 . . . Balls or other moving playing bodies, e.g. pinballs, discs [3]
- 9/00 Games not otherwise provided for** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1,7]
- 9/02 . Shooting or hurling games (throwing-implements for sports or recreational use A63B 65/00; throwing or projecting toys per se A63H 33/18; targets, target ranges, bullet catchers F41J) [3]
- 9/04 . Dice (dice-tops A63F 5/04); Dice-boxes; Mechanical dice-throwing devices
- 9/06 . Patience; Other games for self-amusement (balls to be shaken in small boxes A63F 7/04)
- 9/08 . . Puzzles provided with elements movable in relation to each other
- 9/10 . . Two-dimensional jig-saw puzzles
- 9/12 . . Three-dimensional jig-saw puzzles
- 9/14 . Racing games, traffic games, or obstacle games characterised by figures moved by action of the players (games using dice A63F 3/00)
- 9/16 . Spinning-top games
- 9/18 . Question-and-answer games
- 9/20 . Dominoes or like games; Mah-Jongg games
- 9/24 . Games using electronic circuits not otherwise provided for [5]
- 9/26 . Balancing games, i.e. bringing elements into or out of balance [7]
- 9/28 . Chain-reaction games with toppling pieces; Dispensers or positioning devices therefor [7]
- 9/30 . Capturing games for grabbing or trapping objects, e.g. fishing games [7]
- 9/32 . Games with a collection of long sticks, e.g. mikado (A63F 9/30 takes precedence) [7]
- 9/34 . Games using magnetically moved or magnetically held pieces, not provided for in other subgroups of group A63F 9/00 [7]
- 11/00 Game accessories of general use [7]**
- Note**
- Game accessories specially adapted for a particular type of game are classified in one of the groups A63F 1/00 to A63F 9/00 covering the particular game. [7]
- 13/00 Aspects of games using an electronically generated display having two or more dimensions, e.g. on a television screen, showing representations related to the game** (electric circuitry, see the relevant subclasses therefor) [7]
- 13/02 . Accessories (input or output arrangements for electrical digital computers G06F 3/00) [7]
- 13/04 . . for aiming at specific areas on the display, e.g. with photodetecting means [7]
- 13/06 . . using player-operated means for controlling the position of a specific area on the display [7]
- 13/08 . Constructional details or arrangements, e.g. housing, wiring, connections, cabinets, not otherwise provided for [7]
- 13/10 . Control of the course of the game, e.g. start, progress, end [7]
- 13/12 . involving interaction between a plurality of game devices, e.g. transmission or distribution systems [7]

A63G MERRY-GO-ROUNDS; SWINGS; ROCKING-HORSES; CHUTES; SWITCHBACKS; SIMILAR DEVICES FOR PUBLIC AMUSEMENT

Subclass Index

ROUNDABOUTS.....	1/00 to 7/00	CHUTES, SLIDES, SIMILAR APPARATUS.....	21/00, 23/00, 25/00, 29/00
SWINGS, SEE-SAWS, GREAT WHEELS.....	9/00, 11/00, 13/00, 27/00	OTHER APPARATUS FOR PUBLIC AMUSEMENT.....	31/00, 33/00
ROCKING HORSES, OTHER TOY ANIMALS FOR RIDING.....	13/00 to 19/00		

Merry-go-rounds or roundabouts

- 1/00 Roundabouts**
- 1/02 . with masking tunnels
 - 1/04 . with toboggans
 - 1/06 . with several concentric turntables
 - 1/08 . power-driven
 - 1/10 . . electrically driven
 - 1/12 . rotated by the passengers themselves
 - 1/14 . . rotated by pushing the feet against a fixed surface or by running
 - 1/16 . . rotated by means of grip-rings
 - 1/18 . . rotated by oars
 - 1/20 . . rotated by swinging or rocking
 - 1/22 . with bicycles serving as seats
 - 1/24 . with seats performing movements in a horizontal plane, other than circular movements
 - 1/26 . . with seats moving with a planetary motion in a horizontal plane
 - 1/28 . with centrifugally-swingable suspended seats
 - 1/30 . with seats moving up-and-down, e.g. figure-seats
 - 1/32 . with seats two or more of which form a see-saw
 - 1/34 . with seats moving in an undulating track
 - 1/36 . with movably-mounted swing-like seats not moving radially outwards
 - 1/38 . with rocking turntables
 - 1/40 . . and oblique masts
 - 1/42 . . cone-like shaped
 - 1/44 . with turntables moved up and down
 - 1/46 . . moved by a screw spindle
 - 1/48 . with turntables and movably-mounted vehicles thereon which move to the outside when the roundabout is rotated
- 3/00 Water roundabouts, e.g. freely floating**
- 3/02 . with floating seats
 - 3/04 . for swimmers
 - 3/06 . Submarine roundabouts
- 4/00 Accessories for roundabouts not restricted to one of groups A63G 1/00 or A63G 3/00**
- 5/00 Games on roundabouts**
- 7/00 Up-and-down-hill tracks; Switchbacks**

Swings (as nursery furniture A47D 13/10); **Rocking horses** (rocking chairs as nursery furniture A47D 13/10); **Other toy animals for riding** [3]

- 9/00 Swings**
- 9/02 . with two suspensory axles
 - 9/04 . with moving supporting-points
 - 9/06 . Climbing swings
 - 9/08 . Looping-the loop swings
 - 9/10 . with seats shaped as riding horses, breeches, or the like
 - 9/12 . Special fastenings of the suspensory point
 - 9/14 . elastically suspended
 - 9/16 . Driving mechanisms, such as ropes, gear, belt, motor drive
 - 9/18 . . moved by rocking runners
 - 9/20 . . Oar swings
 - 9/22 . Brakes
- 11/00 See-saws**

13/00 Cradle swings; Rocking-horses; Like devices resting on the ground

- 13/02 . Cradle swings
- 13/04 . . Spring-supported cradle swings
- 13/06 . Rocking-horses
- 13/08 . . mounted on links or springs
- 13/10 . . with dismountable runners usable for other purposes

15/00 Rocking horses on runners adapted for progressive movement

- 15/02 . with divided runners
- 15/04 . with arrangements for pushing forward

17/00 Hobby-horses**19/00 Toy animals for riding**

- 19/02 . made to travel by riding movements other than by ratchet wheels
- 19/04 . with eccentric wheels
- 19/06 . Swingably-mounted toy animals for riding made to travel by means of parallelogram-joints
- 19/08 . made to travel by ratchet-wheels, e.g. by stretching the legs
- 19/10 . . by pressing the seats or saddles up-and-down
- 19/12 . . by performing oscillations
- 19/14 . . by moving the stirrups or pedals
- 19/16 . made to travel by punting
- 19/18 . made to travel by pacing
- 19/20 . motor-driven

Chutes; Slides; Similar apparatus for public amusement**21/00 Chutes; Helter-skelters**

- 21/02 . without rails
- 21/04 . with fixed rails
- 21/06 . with passing arrangements for cars
- 21/08 . with additional rotation of cars
- 21/10 . with spiral tracks
- 21/12 . with special cars, e.g. horse-shaped
- 21/14 . with driven slideways
- 21/16 . with forced removal of the passenger from the seat
- 21/18 . Water-chutes
- 21/20 . Slideways with movably suspended cars, or with cars moving on ropes, or the like
- 21/22 . Suspended slideways

23/00 Rotating or rocking pots**25/00 Autocar-like self-drivers; Runways therefor****27/00 Russian swings; Great wheels, e.g. Ferris wheels**

- 27/02 . with special movements of the seat-carriers
- 27/04 . with tiltable axis
- 27/06 . rolling on the level
- 27/08 . mounted on roundabouts

29/00 Rolling drums turning somersaults with or without rolling seats

- 29/02 . with seats staying at the bottom of the drum

Other apparatus for public amusement**31/00 Amusement arrangements**

- 31/02 . with moving substructures
- 31/04 . . with jolting substructures
- 31/06 . . with undulatory motion of the substructure

- | | |
|---|---|
| <ul style="list-style-type: none"> 31/08 . . . with looping, hopping, or throwing motions of the substructure 31/10 . . . with escalators or similar moving substructures 31/12 . . . with inflatable and movable substructures (connection of valves to inflatable elastic bodies B60C 29/00) | <ul style="list-style-type: none"> 31/14 . . . with planes mounted on springs; with movable planes 31/16 . . . creating illusions of travel |
|---|---|
- 33/00 Devices allowing competitions between several persons, not otherwise provided for**

A63H TOYS, E.G. TOPS, DOLLS, HOOPS, BUILDING BLOCKS

Subclass Index

MECHANICALLY OR GRAVITY DRIVEN

TOY FIGURES 11/00, 13/00, 15/00

TOY VEHICLES

Model railways, toy trains 19/00, 21/00
 Other toy vehicles; tracks therefor;
 toy engines 17/00, 23/00,
 27/00; 18/00; 25/00

TOPS; DOLLS, TOY ANIMALS 1/00; 3/00

OTHER TOYS 5/00, 7/00, 33/00

MANUFACTURE OF DOLLS OR TOY

FIGURES 9/00

DRIVING MECHANISM; CONTROLLING;
 GEARING 29/00; 30/00;
 31/00

JOKES, CONFETTI 37/00

1/00 Tops (flying tops A63H 27/127)

- 1/02 . . . with detachable winding devices
- 1/04 . . . with string or band winding devices
- 1/06 . . . with integral winding devices
- 1/08 . . . with arrangements for winding-up by blowing
- 1/10 . . . able to be spun by whirling the axis with both hands
- 1/12 . . . Whip tops; Top whips
- 1/16 . . . Hopping, dancing, or curve-drawing tops
- 1/18 . . . Double tops; Multiple tops mounted in or on one another
- 1/20 . . . with figure-like features; with movable objects, especially figures
- 1/22 . . . Colour tops
- 1/24 . . . with illuminating arrangements
- 1/26 . . . emitting blasts or explosions
- 1/28 . . . Musical tops
- 1/30 . . . Climbing tops, e.g. Yo-Yo
- 1/32 . . . Whirling or spinning discs driven by twisted cords

Dolls; Figures; Musical toys

3/00 Dolls

Note

In this group, the following term is used with the meaning indicated:
 – “doll” includes a toy animal.

- 3/02 . . . made of fabrics or stuffed
- 3/04 . . . with deformable framework
- 3/06 . . . Air-filled or inflatable toy figures (connection of valves to inflatable elastic bodies B60C 29/00)
- 3/08 . . . of flat paper to be cut-out, folded, or clothed
- 3/10 . . . Flat toy figures provided with limbs, with or without arrangements for making them stand up (A63H 3/08 takes precedence) [4]
- 3/12 . . . Double-faced dolls
- 3/14 . . . into which the fingers of the hand can be inserted, e.g. hand-puppets
- 3/16 . . . made of parts that can be put together
- 3/18 . . . Jumping jacks

- 3/20 . . . with parts moved due to movements of other parts, e.g. limbs
- 3/24 . . . Drinking dolls; Dolls producing tears; Wetting dolls
- 3/26 . . . Floating dolls
- 3/28 . . . Arrangements of sound-producing means in dolls; Means in dolls for producing sounds
- 3/31 . . . Bellows, cylinders or the like for sound production
- 3/33 . . . Other sound-producing means specially adapted for dolls
- 3/36 . . . Details; Accessories
- 3/38 . . . Dolls' eyes
- 3/40 movable
- 3/42 Manufacture of eyes (artificial eyes for human beings A61F 2/14)
- 3/44 . . . Dolls' hair or wigs; Eyelashes; Eyebrows (wigs, eyelashes, eyebrows for humans A41G)
- 3/46 . . . Connections for limbs
- 3/48 . . . Mounting of parts within dolls, e.g. automatic eyes
- 3/50 . . . Frames, stands, or wheels for dolls or toy animals
- 3/52 . . . Dolls' houses, furniture, or other equipment; Dolls' clothing (dolls' footwear A43B 3/28)

5/00 Musical or noise-producing devices for additional toy effects other than acoustical (musical tops A63H 1/28; hand-thrown impact-exploded noise makers F42B 4/16; music, sound or noise production in general G10)

- 5/04 . . . Pistols or machine guns operated without detonators; Crackers (firecrackers F42B 4/04)

7/00 Toy figures led or propelled by the user

- 7/02 . . . by pushing or drawing
- 7/04 moving together with a toy vehicle
- 7/06 with feet formed by rotary members

9/00 Special methods or compositions for the manufacture of dolls, toy animals, toy figures, or parts thereof

Mechanically or gravity driven toy figures

11/00 Self-movable toy figures

- 11/02 . . . moved by vibrations produced by rotating eccentric weights
- 11/04 . . . Climbing figures moving up-and-down

- 11/06 . Jumping toys
- 11/08 . Toys performing somersaults
- 11/10 . Figure toys with single- or multiple-axle undercarriages, by which the figures perform a realistic running motion when the toy is moving over the floor
- 11/12 . . Wheeled toys with figures performing a wriggling motion when moving
- 11/14 . Mechanically-moved walking figures balanced by gyrostatic effects
- 11/18 . Figure toys which perform a realistic walking motion [4]
- 11/20 . . with pairs of legs, e.g. horses [4]
- 13/00 Toy figures with self-moving parts, with or without movement of the toy as a whole**
- 13/02 . imitating natural actions, e.g. catching a mouse by a cat, the kicking of an animal
- 13/03 . . Egg-laying toy animals [4]
- 13/04 . . Mechanical figures imitating the movement of players or workers
- 13/06 . . . imitating boxing or fighting
- 13/08 . . . able to perform military exercises
- 13/10 . . . shooting arrows or other missiles
- 13/12 . . . Gymnastic or acrobatic toy figures
- 13/14 . . . Rope-jumping toy figures
- 13/15 . . . imitating drawing or writing (changeable or secret pictures B44F 1/10) [4]
- 13/16 . Boxes from which figures jump
- 13/18 . Toy swinging chairs; Rocking-figure toys
- 13/20 . Toy roundabouts with moving figures; Toy models of fairs or the like, with moving figures
- 15/00 Other gravity-operated toy figures**
- 15/02 . Figures staggering down an inclined path by means of the gravity effect
- 15/04 . Toy figures swinging about a point above the centre of gravity
- 15/06 . Self-righting toys
- 15/08 . Tumbling toy figures operated by balls enclosed therein

Toy vehicles; Toy engines

- 17/00 Toy vehicles, e.g. with self-drive; Accessories therefor** (traffic games with figures moved by players A63F 9/14)
- 17/02 . convertible into other forms under the action of impact or shock, e.g. arrangements for imitating accidents
- 17/045 . shaped as armoured cars, tanks or the like [4]
- 17/05 . Trucks; Lorries
- 17/06 . . with tipping bodies
- 17/08 . . carrying a mechanically-raised ladder
- 17/10 . . carrying a tank for transporting liquids
- 17/12 . with cranes, winches or the like
- 17/14 . Endless-track automobiles or trucks
- 17/16 . in the form of a bicycle, with or without riders thereon
- 17/18 . Tricycles, e.g. with moving figures
- 17/21 . shaped as motorcycles with or without figures [4]
- 17/22 . Scooters with driver figure propelled by their wheels or by movement of the figure
- 17/24 . shaped as sledges, sleighs, or bobsleighs with or without figures
- 17/25 . Other wheeled vehicles with moving figures
- 17/26 . Details; Accessories (drive mechanisms A63H 29/00)

- 17/267 . . Mounting wheels on the chassis [4]
- 17/273 . . Opening or closing mechanisms for doors or the like [4]
- 17/28 . . Electric lighting systems
- 17/30 . . Direction-indicators
- 17/32 . . Acoustical or optical signalling devices
- 17/34 . . Arrangements for imitating the noise of motors
- 17/36 . . Steering-mechanisms for toy vehicles
- 17/38 . . . actuated by hand
- 17/385 . . . remotely controlled (remote-control arrangements specially adapted for toys A63H 30/00) [4]
- 17/39 radio controlled [4]
- 17/395 . . . steered by programme [4]
- 17/40 . . . Toy vehicles automatically steering or reversing by collision with an obstacle
- 17/41 . . . Toy vehicles prevented from falling off the supporting surface by automatic steering or reversing [4]
- 17/42 . . Automatic stopping or braking arrangements
- 17/44 . . Toy garages for receiving toy vehicles; Filling stations
- 18/00 Highways or trackways for toys** (railway permanent way A63H 19/30; for special railways A63H 21/00); **Propulsion by special interaction between vehicle and track**
- 18/02 . Construction or arrangement of the trackway
- 18/04 . . Up-and-down-hill trackways (A63H 18/06 takes precedence)
- 18/06 . . designed to cause movement of a vehicle by alteration of the inclination of part of the trackway
- 18/08 . with mechanical means for guiding or steering
- 18/10 . with magnetic means for steering
- 18/12 . Electric current supply to toy vehicles through the track
- 18/14 . Drives arranged in the track, e.g. endless conveying means, magnets, driving-discs
- 18/16 . Control of vehicle drives by interaction between vehicle and track; Control of track elements by vehicles
- 19/00 Model railways** (propulsion by special interaction between vehicle and track A63H 18/00)
- 19/02 . Locomotives; Motor coaches
- 19/04 . . spring-driven
- 19/06 . . Steam-driven locomotives; Engines therefor
- 19/08 . . . Boilers for locomotives
- 19/10 . . electrically driven
- 19/12 . . . with electric reversing gear
- 19/14 . . Arrangements for imitating locomotive features, e.g. whistling, signalling, puffing
- 19/15 . Special types of cars
- 19/16 . Parts for model railway vehicles
- 19/18 . . Car coupling or uncoupling mechanisms
- 19/20 . . Illuminating arrangements
- 19/22 . . Wheels; Wheel axles; Bogies
- 19/24 . Electric toy railways; Systems therefor
- 19/26 . . Toy vehicles with overhead trolley-wire; Trolley-buses
- 19/28 . Mechanical toy railway systems
- 19/30 . Permanent way; Rails; Rail-joint connections
- 19/32 . . Switches or points; Operating means therefor

- 19/34 . Bridges; Stations; Signalling systems
- 19/36 . Model railway structures, e.g. kinds of arrangement of several units in containers, or on plates, or in combination with scenics for toy purposes (models or scenery for general purposes G09B)
- 21/00 Other toy railways**
- 21/02 . with cable- or rail-suspended vehicles
- 21/04 . Mono-railways, e.g. with vehicles embracing the rail in the form of a saddle (A63H 21/02 takes precedence)
- 23/00 Toy boats; Floating toys; Other aquatic toy devices [2]**
- 23/02 . Boats; Sailing boats
- 23/04 . . Self-propelled boats, ships or submarines
- 23/06 . . . jet-propelled
- 23/08 . Cartesian or other divers
- 23/10 . Other water toys, floating toys, or like buoyant toys
- 23/12 . . Waterborne toy projectiles; Knock-apart toys; Exploding ship toys
- 23/14 . . Special drives
- 23/16 . . Aquatic toy installations; Harbour arrangements
- 25/00 Toy steam, gas, or compressed-air engines (for locomotives A63H 19/06)**
- 25/02 . Distributing-gear
- 27/00 Toy aircraft; Other flying toys (toys with parachutes A63H 33/20)**
- 27/01 . Toy aircraft with flexible or folded wings [4]
- 27/04 . Captive toy aircraft
- 27/08 . Kites
- 27/10 . Balloons (connection of valves to inflatable elastic bodies B60C 29/00)
- 27/127 . Flying toys capable of landing or taking-off vertically; Flying tops (flying discs A63B 65/10) [4]
- 27/133 . . Helicopters; Gyroplanes (A63H 27/04 takes precedence) [4]
- 27/14 . Starting or launching devices for toy aircraft; Arrangements on toy aircraft for starting or launching
- 27/16 . Flying toys made of folded paper [4]
- 27/18 . Constructional features of fuselages, wings or the like, e.g. for model aircraft [4]
- 27/20 . Transmission systems for actuating flying control surfaces, lift-increasing flaps or the like [4]
- 27/22 . Self-propelled toy aircraft, e.g. with extensible rubber bands (A63H 27/04, A63H 27/127 take precedence) [4]
- 27/24 . . combustion engine or electric motor propelled (ultra-small engines per se, e.g. for driving models, F02B 75/34; electric motors per se H02K) [4]
- 27/26 . . . Jet-propelled flying toys, e.g. aeroplanes (A63H 27/04, A63H 27/127 take precedence) [4]
- 27/28 . Toy ornithopters [4]
- 27/30 . Features common to propellers for model aircraft, e.g. constructional features (for helicopters A63H 27/133) [4]
- 27/32 . Alighting gear for toy aircraft, e.g. wheeled type, floats [4]
- Driving or controlling toys, e.g. toy vehicles**
- 29/00 Drive mechanisms for toys in general**
- 29/02 . Clockwork mechanisms
- 29/04 . . Helical-spring driving mechanisms
- 29/06 . . Other elements therefor
- 29/08 . Driving mechanisms actuated by balls or weights
- 29/10 . Driving mechanisms actuated by flowing media
- 29/12 . . by a sand stream
- 29/14 . . by a water stream
- 29/16 . . by steam or compressed air
- 29/18 . Driving mechanisms with extensible rubber bands
- 29/20 . Flywheel driving mechanisms
- 29/22 . Electric drives (power supply through track A63H 18/12)
- 29/24 . Details or accessories for drive mechanisms, e.g. means for winding-up or starting toy engines
- 30/00 Remote-control arrangements specially adapted for toys, e.g. for toy vehicles (steering mechanisms for toy vehicles A63H 17/36; for model railways A63H 19/24, A63H 19/28) [4]**
- 30/02 . Electrical arrangements (transformers H01F; converters H02M)
- 30/04 . . using wireless transmission
- 30/06 . Hydraulic or pneumatic arrangements
- 31/00 Gearing for toys (gearing in general F16H)**
- 31/02 . Screw-spindle mechanisms
- 31/04 . Friction mechanisms
- 31/06 . Belt or string gear
- 31/08 . Gear-control mechanisms; Gears for imparting a reciprocating motion
- 31/10 . Gearing mechanisms actuated by movable wires enclosed in flexible tubes
-
- 33/00 Other toys**
- 33/02 . Toy hoops; Sticks for propelling
- 33/04 . Building blocks, strips, or similar building parts
- 33/06 . . to be assembled without the use of additional elements
- 33/08 . . . provided with complementary holes, grooves, or protuberances, e.g. dovetails
- 33/10 . . to be assembled by means of additional non-adhesive elements
- 33/12 . . . Perforated strips or the like assembled by rods, bolts, or the like
- 33/14 . . specially adapted to be assembled by adhesive or cement
- 33/16 . Models made by folding paper
- 33/18 . Throwing or slinging toys (as part of a game A63F 9/02; sling weapons F41B 3/00; spring toy guns F41B 7/08)
- 33/20 . Toys with parachutes; Toy parachutes (parachutes for aeronautics B64D)
- 33/22 . Optical, colour, or shadow toys (kaleidoscopes G02B 27/08)
- 33/26 . Magnetic or electric toys (electric drives A63H 29/22)
- 33/28 . Soap-bubble toys; Smoke toys (blowing smoke rings A24F 13/30)
- 33/30 . Imitations of apparatus, not otherwise provided for, e.g. telephones, weighing-machines, cash-registers (savings boxes A45C 1/12; toy ticket punches G07B 9/02) [3]
- 33/32 . Moulds, shapes, spades, or the like, for playing with sand
- 33/36 . Sparking toys
- 33/38 . Picture books with additional toy effects, e.g. pop-up or slide displays (picture books B42D 1/00) [4]

A63H – A63K

33/40 . Windmills; Other toys actuated by air currents (driving mechanisms for toy figures or vehicles A63H 29/16)

33/42 . Toy models or toy scenery not otherwise provided for (models or scenery for general purposes G09B)

37/00 **Jokes; Confetti, streamers, or other dance favours [4]**

A63J DEVICES FOR THEATRES, CIRCUSES, OR THE LIKE; CONJURING APPLIANCES OR THE LIKE (buildings for meetings, entertainments or sports E04H 3/10)

Subclass Index

STAGE OR CIRCUS ARRANGEMENTS..... 1/00 to 5/00
OTHER VISUAL ENTERTAINMENT 13/00 to 19/00, 23/00

OTHER ENTERTAINMENT 9/00, 11/00, 23/00
APPARATUS FOR ARTISTES 7/00, 21/00

1/00 **Stage arrangements** (fabrics for theatre decorations, for costumes, for curtains D03D; structural arrangements of stage or theatre E04H)

1/02 . Scenery; Curtains; Other decorations; Means for moving same

3/00 **Equipment for, or arrangement of, circuses or arenas** (circus buildings E04B, E04H)

5/00 **Auxiliaries for producing special effects on stages, or in circuses or arenas** (lighting therefor F21S)

5/02 . Arrangements for making stage effects; Auxiliary stage appliances

5/04 . . Arrangements for making sound-effects

5/10 . Arrangements for making visible or audible the words spoken

5/12 . Apparatus for raising or lowering persons (elevators, escalators or moving walkways B66B)

7/00 **Auxiliary apparatus for artistes**

9/00 **Centrifugal tracks, loop-the-loops, or the like** (chutes for public amusement A63G 21/00)

11/00 **Labyrinths**

13/00 **Panoramas, dioramas, stereoramas, or the like** (models in general G09B)

15/00 **Peep-shows, e.g. raree-shows; Kaleidoscopic or other opalescence exhibitions** (colour toys A63H 33/22; kaleidoscopes G02B 27/08)

17/00 **Apparatus for performing colour-music**

19/00 **Puppet, marionette, or shadow shows or theatres**

21/00 **Conjuring appliances; Auxiliary apparatus for conjurers**

23/00 **Equipment for amusement shows not covered by any other group of this subclass**

23/02 . specially adapted for cinemas (cinematographic projection means G03B)

A63K RACING; RIDING SPORTS; EQUIPMENT OR ACCESSORIES THEREFOR (stop watches G04F 7/06; timing G07C 1/22; indicating arrangements for variable information by selection or combination of individual elements G09F 9/00)

1/00 **Race-courses; Race-tracks**

1/02 . for greyhounds or other dogs

3/00 **Equipment or accessories for racing or riding sports**

3/02 . Starting-appliances, e.g. starting blocks

3/04 . Hurdles or the like

99/00 **Subject matter not provided for in other groups of this subclass [8]**