

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]

A63B

- 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

- 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

Ice skates..... 1/00, 3/00
Roller skates17/00

SKIS, SNOW SHOES

Snow skis..... 5/00 to 11/00

Snow shoes..... 13/00

PLAYING-COURTS, RINKS, BOWLING
GREENS OR AREAS FOR WATER-SKIING,
COVERS THEREFOR..... 19/00

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]	11/12	. Apparatus for hooking the heel part of the boot to the ski
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]	11/14	. Apparatus for repairing damaged skis
		11/16	. Special devices on boots for fastening skis thereto (A63C 9/00 takes precedence)
7/00	Devices preventing skis from slipping back; Ski-stoppers or ski-brakes [4]	11/18	. Devices for removing snow from skis, ski-bindings or ski-boots
7/02	. Skins; Substitutes for skins	11/20	. Snow-protectors on skis
7/04	. Fastening-devices for skins	11/22	. Ski-sticks
7/06	. Tooth-shaped running sole-plates	11/24	. . . Rings for ski-sticks
7/08	. Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position	11/26	. Devices for use in mounting ski-bindings to skis, e.g. jigs [4]
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	13/00	Snow shoes
9/02	. Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type	13/02	. Snow shoe rings
9/04	. Non-self-releasing long strap bindings	17/00	Roller skates; Skate-boards [4]
9/06	. Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski	17/01	. Skate-boards (A63C 17/02 to A63C 17/28 take precedence) [4]
9/08	. yieldable or self-releasing in the event of an accident, i.e. safety bindings	17/02	. with wheels arranged in two pairs
9/081	. . . with swivel sole-plate	17/04	. with wheels arranged otherwise than in two pairs
9/082	. . . with swivel heel-plate	17/06	. . . single-track type
9/083	. . . with loosenable cable strap	17/08	. . . single-wheel type
9/084	. . . with heel hold-downs, e.g. swingable	17/10	. with endless tracks
9/085	. . . with sole hold-downs, e.g. swingable	17/12	. with driving mechanisms
9/086	. . . using parts which are fixed on the shoe of the user and are releasable from the ski binding	17/14	. with brakes, e.g. toe stoppers, freewheel roller clutches
9/088	. . . with electronically controlled locking devices [4]	17/16	. for use on specially shaped or arranged runways
9/10	. Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece	17/18	. convertible into ice or snow-running skates
9/12	. Non-self-releasing elastic heel-straps	17/20	. with fixable wheels permitting the skates to be used for walking
9/14	. Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps	17/22	. Wheels for roller skates
9/16	. Non-self-releasing bindings without straps, but with guiding cheeks	17/24	. . . with ball-shaped or spherical running surfaces
9/18	. Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding	17/26	. with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices
9/20	. Non-self-releasing bindings with special sole edge holders instead of toe-straps	17/28	. with arrangements for sitting
9/22	. Arrangements for adjusting the toe-clamps	19/00	Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor
9/24	. Tighteners for ski bindings (tighteners for self-releasing ski bindings A63C 9/08)		(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]
11/00	Accessories for skis (fittings on vehicles for carrying skis B60R 9/12)	19/02	. Shaping of the surface of courts according to the necessities of the different games
11/02	. Devices for stretching, clamping or pressing skis for transportation or storage [4]	19/04	. Mats or carpets for courts
11/04	. for treating skis	19/06	. Apparatus for setting-out or dividing courts
11/06	. . . Edge-sharpeners	19/08	. . . Mechanical means for marking-out
11/08	. . . Apparatus for waxing or dewaxing (ski waxes C09G 3/00)	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]
11/10	. Apparatus for towing skis	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)	13/00	Bagatelle; Similar games (devices for projecting or rolling-off the balls A63F 7/24)
1/02	. collapsible; portable	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.
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 <u>per se</u> A63F 7/24)	15/00	Billiards; Billiard tables; Pocket Billiards (bagatelles A63D 13/00)
5/00	Accessories for bowling-alleys or table alleys	15/02	. Billiard tables adapted to rest on ordinary tables or the like
5/02	. Apparatus for trapping or lifting the balls; Separate devices for returning the balls	15/04	. Billiard tables convertible into other tables, or the like (into beds A47C 17/62)
5/04	. Indicating devices	15/06	. Cushions or fastenings therefor
5/06	. Pin stands	15/08	. Cues (other devices for projecting the balls A63F 7/24)
5/08	. Arrangements for setting-up or taking away pins	15/10	. . Apparatus for holding or handing-up cues
5/09	. . the pins being assembled in right order before setting down	15/12	. . Tip fastenings
5/10	. Apparatus for cleaning balls, pins, or alleys	15/14	. . Means for roughening the cue-tips
7/00	Games of pins, e.g. ninepins, with tethered balls	15/16	. Chalk holders
9/00	Pins	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]	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]
1/02	. Cards; Special shapes of cards (card-printing methods B41K, B41M)	3/02	. Chess; Similar board games
1/04	. Card games combined with other games	3/04	. Geographical or like games
1/06	. Card game appurtenances	3/06	. Lottos or bingo games; Systems, apparatus or devices for checking such games [5]
1/08	. . Card-presses	3/08	. Raffle games that can be played by a fairly large number of people
1/10	. . Card-holders	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]
1/12	. . Card-shufflers	5/02	. Roulette-like ball games
1/14	. . Card-dealers	5/04	. Disc roulettes; Dial roulettes; Teetotums; Dice-tops
1/16	. . Apparatus for indicating the dealer		
1/18	. . Scoring or registering devices; Indicators (A63F 1/16 takes precedence; time-testing devices G07C)		

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]	9/08	. . Puzzles provided with elements movable in relation to each other
7/02	. using falling playing bodies or playing bodies running on an inclined surface, e.g. pinball games	9/10	. . Two-dimensional jig-saw puzzles
7/04	. using balls to be shaken or rolled in small boxes	9/12	. . Three-dimensional jig-saw puzzles
7/06	. Games simulating outdoor ball games, e.g. hockey (if physically beneficial for the human body A63B 67/00)	9/14	. Racing games, traffic games, or obstacle games characterised by figures moved by action of the players (games using dice A63F 3/00)
7/07	. . in which the playing bodies contact, or are supported by, the playing surface continuously, e.g. using air-cushion support [3]	9/16	. Spinning-top games
7/20	. . in which the playing bodies are projected through the air [3]	9/18	. Question-and-answer games
7/22	. Accessories; Details [3]	9/20	. Dominoes or like games; Mah-Jongg games
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]	9/24	. Games using electronic circuits not otherwise provided for [5]
7/26	. . . electric or magnetic [3]	9/26	. Balancing games, i.e. bringing elements into or out of balance [7]
7/28	. . . using gravity [3]	9/28	. Chain-reaction games with toppling pieces; Dispensers or positioning devices therefor [7]
7/30	. . Obstacles; Targets; Scoring or pocketing devices; Playing-body-actuated sensors, e.g. switches; Tilt indicators [3]	9/30	. Capturing games for grabbing or trapping objects, e.g. fishing games [7]
7/32	. . . Apparatus for varying scoring values [3]	9/32	. Games with a collection of long sticks, e.g. mikado (A63F 9/30 takes precedence) [7]
7/34	. . Other devices for handling the playing bodies, e.g. bonus ball return means [3]	9/34	. Games using magnetically moved or magnetically held pieces, not provided for in other subgroups of group A63F 9/00 [7]
7/36	. . Constructional details not covered by groups A63F 7/24 to A63F 7/34, e.g. frames, game boards, guide tracks [3]	11/00	Game accessories of general use [7]
7/38	. . . Playing surfaces movable during play [3]	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]
7/40	. . . Balls or other moving playing bodies, e.g. pinballs, discs [3]	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, <u>see</u> the relevant subclasses therefor) [7]
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]	13/02	. Accessories (input or output arrangements for electrical digital computers G06F 3/00) [7]
9/02	. Shooting or hurling games (throwing-implements for sports or recreational use A63B 65/00; throwing or projecting toys <u>per se</u> A63H 33/18; targets, target ranges, bullet catchers F41J) [3]	13/04	. . for aiming at specific areas on the display, e.g. with photodetecting means [7]
9/04	. Dice (dice-tops A63F 5/04); Dice-boxes; Mechanical dice-throwing devices	13/06	. . using player-operated means for controlling the position of a specific area on the display [7]
9/06	. Patience; Other games for self-amusement (balls to be shaken in small boxes A63F 7/04)	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
 SWINGS, SEE-SAWS, GREAT WHEELS..... 9/00, 11/00, 13/00, 27/00
 ROCKING HORSES, OTHER TOY
 ANIMALS FOR RIDING..... 13/00 to 19/00

CHUTES, SLIDES, SIMILAR APPARATUS.....21/00, 23/00, 25/00, 29/00
 OTHER APPARATUS FOR PUBLIC
 AMUSEMENT31/00, 33/00

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
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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

- 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)

- 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	29/06	. . Other elements therefor
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)	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
21/00	Other toy railways	29/16	. . by steam or compressed air
21/02	. with cable- or rail-suspended vehicles	29/18	. Driving mechanisms with extensible rubber bands
21/04	. Mono-railways, e.g. with vehicles embracing the rail in the form of a saddle (A63H 21/02 takes precedence)	29/20	. Flywheel driving mechanisms
		29/22	. Electric drives (power supply through track A63H 18/12)
23/00	Toy boats; Floating toys; Other aquatic toy devices [2]	29/24	. Details or accessories for drive mechanisms, e.g. means for winding-up or starting toy engines
23/02	. Boats; Sailing boats		
23/04	. . Self-propelled boats, ships or submarines	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]
23/06	. . . jet-propelled	30/02	. Electrical arrangements (transformers H01F; converters H02M)
23/08	. Cartesian or other divers	30/04	. . using wireless transmission
23/10	. Other water toys, floating toys, or like buoyant toys	30/06	. Hydraulic or pneumatic arrangements
23/12	. . Waterborne toy projectiles; Knock-apart toys; Exploding ship toys		
23/14	. . Special drives	31/00	Gearing for toys (gearing in general F16H)
23/16	. . Aquatic toy installations; Harbour arrangements	31/02	. Screw-spindle mechanisms
25/00	Toy steam, gas, or compressed-air engines (for locomotives A63H 19/06)	31/04	. Friction mechanisms
25/02	. Distributing-gear	31/06	. Belt or string gear
		31/08	. Gear-control mechanisms; Gears for imparting a reciprocating motion
27/00	Toy aircraft; Other flying toys (toys with parachutes A63H 33/20)	31/10	. Gearing mechanisms actuated by movable wires enclosed in flexible tubes
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)	33/00	Other toys
27/127	. Flying toys capable of landing or taking-off vertically; Flying tops (flying discs A63B 65/10) [4]	33/02	. Toy hoops; Sticks for propelling
27/133	. . Helicopters; Gyroplanes (A63H 27/04 takes precedence) [4]	33/04	. Building blocks, strips, or similar building parts
27/14	. Starting or launching devices for toy aircraft; Arrangements on toy aircraft for starting or launching	33/06	. . to be assembled without the use of additional elements
27/16	. Flying toys made of folded paper [4]	33/08	. . . provided with complementary holes, grooves, or protuberances, e.g. dovetails
27/18	. Constructional features of fuselages, wings or the like, e.g. for model aircraft [4]	33/10	. . to be assembled by means of additional non-adhesive elements
27/20	. Transmission systems for actuating flying control surfaces, lift-increasing flaps or the like [4]	33/12	. . . Perforated strips or the like assembled by rods, bolts, or the like
27/22	. Self-propelled toy aircraft, e.g. with extensible rubber bands (A63H 27/04, A63H 27/127 take precedence) [4]	33/14	. . specially adapted to be assembled by adhesive or cement
27/24	. . combustion engine or electric motor propelled (ultra-small engines <u>per se</u> , e.g. for driving models, F02B 75/34; electric motors <u>per se</u> H02K) [4]	33/16	. Models made by folding paper
27/26	. . . Jet-propelled flying toys, e.g. aeroplanes (A63H 27/04, A63H 27/127 take precedence) [4]	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)
27/28	. Toy ornithopters [4]	33/20	. Toys with parachutes; Toy parachutes (parachutes for aeronautics B64D)
27/30	. Features common to propellers for model aircraft, e.g. constructional features (for helicopters A63H 27/133) [4]	33/22	. Optical, colour, or shadow toys (kaleidoscopes G02B 27/08)
27/32	. Alighting gear for toy aircraft, e.g. wheeled type, floats [4]	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]
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		

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 ENTERTAINMENT	9/00, 11/00, 23/00
OTHER VISUAL ENTERTAINMENT	13/00 to 19/00, 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)	9/00	Centrifugal tracks, loop-the-loops, or the like (chutes for public amusement A63G 21/00)
1/02	• Scenery; Curtains; Other decorations; Means for moving same	11/00	Labyrinths
3/00	Equipment for, or arrangement of, circuses or arenas (circus buildings E04B, E04H)	13/00	Panoramas, dioramas, stereoramas, or the like (models in general G09B)
5/00	Auxiliaries for producing special effects on stages, or in circuses or arenas (lighting therefor F21S)	15/00	Peep-shows, e.g. raree-shows; Kaleidoscopic or other opalescence exhibitions (colour toys A63H 33/22; kaleidoscopes G02B 27/08)
5/02	• Arrangements for making stage effects; Auxiliary stage appliances	17/00	Apparatus for performing colour-music
5/04	• Arrangements for making sound-effects	19/00	Puppet, marionette, or shadow shows or theatres
5/10	• Arrangements for making visible or audible the words spoken	21/00	Conjuring appliances; Auxiliary apparatus for conjurers
5/12	• Apparatus for raising or lowering persons (elevators, escalators or moving walkways B66B)	23/00	Equipment for amusement shows not covered by any other group of this subclass
7/00	Auxiliary apparatus for artistes	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	99/00	Subject matter not provided for in other groups of this subclass [8]
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		