1	BILLIARDS OR POOL	24	Coin controlled
2	.Practice device or device to aid	25	With means to separate or
	in aiming cue or cue ball		segregate store balls pocketed
	during shots (e.g., to assist		by each player or team
	in bank shots, etc.)	26	Ball rack also constitutes or
3	.Adapted to be played on floor,		includes spotting rack
	ground, or court	27	With means to prevent
4	.Table or gameboard		unauthorized use of table or
5	With mechanical ball projector		to limit playing time or
6	Convertible between billiard		number of games played
	and pool (i.e., between	28	Pocket structure
	pocketed and nonpocketed)	29	Playing surface structure
7	Using pocket blocking device		(i.e., bed structure)
	positionable only in vicinity	30	Device for securing playing
	of pocket (e.g., pocket plug,		surface covering (e.g., for
	rail piece, etc.)		securing billiard table cloth,
8	Using interchangeable,		etc.)
	shiftable, reversible, or	31	Rail structure
	removable cushion rails	32	Cushioned portion thereof
9	Invertible playing surface	33	Frame or leg structure
10	Convertible to another type of	34	Dust cover therefor
	furniture or to different type	35	.Cue chalker
	of game playing surface	36	Chalk holder
11	Rail vertically raised or	37	With means for automatically
	lowered relative to bed		applying chalk
12	Vertically movable playing	38	Flexibly tethered
	surface	39	Secured to generally fixed
13	Detachable or hinged rail		support
14	Convertible to different type	40	.Ball spotting rack
	of game playing surface	41	With ball carrying or storage
15	Readily foldable or collapsible		means
16	Rotatable playing surface	42	.Cue rest
17	Having pocket or other target	43	Hand attached or engaged by
	with ball actuated indicator		hand in vicinity of cue
18	Playing surface having		supporting portion
	unconventional peripheral	44	.Cue
	configuration defined by the	45	Mechanically operated
	carom rails	46	Disparate attachment therefor
19	Attachment or accessory		or convertible to or combined
	providing plural pockets or	4.5	with disparate device
	other targets located at only	47	With user adjustable or
0.0	one end of playing surface	4.0	changeable weight
20	Playing surface having	48	Axially telescopic
	unconventional number,	49	Tip or tip fastener therefor
	entrance opening, or	50	Clamp or press
	arrangement of pockets or having additional or shiftable	51	Striking portion formed of
	carom or bumper means thereon	50	material other than leather
21		52	.Ball
22	With conveying chutes	53	Having characteristic enabling
<u> </u>	interconnecting pockets with		ball to be mechanically
	ball rack	E /	separated from other balls
23	With means to distinguish or	54 55	BOWLING .Practice or assist device
	identify each ball pocketed	55 56	For handicapped person
		50	or manurcapped person

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57	Selective pin setter	95	Distributor
58	Ball path indicator	96	Pivotable chute or conveyor
59	Bowler worn or carried	97	Elevator
60	Including means for positive	98	With ball separator
	engagement with ball	99	And ball handling
61	Finger support or guide	100	Sweep
62	Wrist support or guide	101	Pin sensor
63	Arm or elbow support or guide	102	Pin spot
64	.Handling of pin or pin	103	Including means for positive
	representation		pin alignment
65	Including electrical cycle	104	Retractable peg
	sequence control	105	Socket-type
66	Including means for conserving	106	.Ball handling or diverting means
	energy	107	Mechanical projector
67	With indicator	108	Tethered ball
68	Tethered or pivotal pin	109	Means to change or curve ball
69	Pinfall	202	path
70	Score	110	Ball return
71	Including electromechanical	111	Ball lift or elevator
	calculating means	112	Mechanical means for ball
72	Foul		retarding or arresting
73	Pin setter	113	Gutter structure
74	Rollable, translatable, or	114	Backstop, division board, or
	simulative target		adjunct therefor
75	Pivotal pin	115	.Alley or board structure
76	Pivot substantially at base	116	Portable game board, table, or
	of pin		alley
77	With spring detent	117	With nonwooden alley surface or
78	Tethered pin		lining
79	Tethered at base of pin	118	.Pin
80	Including reset lever or	119	Composite structure (e.g.,
	crank		distinct layers, components,
81	Including means to remove		joint, etc.)
	dead wood	120	With reinforcing filament,
82	Pin biased away from bed		fiber, or fabric
83	Manually loadable	121	With metal shell or skin
84	Including means to upright	122	With wooden component
	pin	123	Laminated or attached wooden
85	Magnetic force acts on pin		components
86	For alternative pin sets	124	With end or bottom
87	Including means to lift live		reinforcing preform
	wood	125	.Ball
88	With compensation for pin	126	With weight block
	offset	127	With specific grip means
89	Including distributor	128	Thumb or finger hole grip
90	Including means to convey pin	129	Size or depth adjusting means
	to distributor	130	Removable insert or bushing
91	Including elevator	131	GOLF
92	With compensation for pin	132	.Ball feeding means and tee
	offset	133	Adjustable tee height
93	Pit cushion or actuator	134	Condition responsive feeding
	therefor		means (e.g. automatic)
94	Pin guide or conveyor	135	Pneumatic

136	Electrical	160	Selectively contourable
137	Pivotal arm ball feed		(e.g., slope simulating
138	.Projectile tethered to swingable		surface, etc.)
	implement	161	Motor actuation
139	.Anchored (e.g., tethered, etc.)	162	Collapsible (e.g., for
207	projectile		storage, etc.)
140	With electrical sensor or	163	Projectile return
140	electrical indicator	164	Projectile rebounds off target
141		165	Particular projectile (e.g.,
141	Pictorial flight path image	103	
140	display	1.00	reduced flight ball, etc.)
142	Spool for tether	166	Projectile return
143	With force or direction	167	Fairways extending radially
	indicator and tether		from centrally located
144	Linear spring indicator		addressing surface or target
145	Force or direction indicator	168	Plural addressing surfaces
	associated with projectile		(e.g., driving range, etc.)
	moving around a horizontal	169	Having sequential play (e.g.,
	axis		regulation earth course, etc.)
146	Force or direction indicator	170	Upstanding target (e.g.,
	associated with projectile		wicket, bucket, etc.)
	moving around a vertical axis	171	Putting green
147	Spherical projectile attached	172	Upstanding target
	to tether	173	.Target or obstacle (e.g.,
148	Plural projectiles	175	putting hole, hole marker,
149	Projectile moves around		sand trap, etc.)
117	vertical axis	174	Target on putting surface
150	.Projectile addressing surface	175	
130	and target, or distance marker	1/5	Receiver is cup in earth
			(e.g., regulation hole in
	(e.g., course, putting green	196	green, etc.)
	with cup, driving range,	176	Having cup marker (e.g., flag
1 - 1	miniature golf course, etc.)		pin, etc.) or with sensor
151	Electrical sensor or electrical		responsive to projectile
	indicator responsive to	177	And projectile removal
	swingable implement or	178	Electrical actuation (e.g.,
	projectile		solenoid, etc.)
152	Sensor is projectile	179	Cup diameter restriction
	responsive (e.g., free-flight		means (e.g., filler plug,
	detection means, etc.)		etc.)
153	Projectile in receiver	180	Receiver or projectile
	indicator		responsive indicator
154	Target impact responsive	181	Selectively adjustable
155	Including sensor responsive		approach surface
	to projectile on addressing	182	Projectile return
	surface or in flight (e.g.,	183	Electrical actuation
	tee-target time detection,	184	Gravity
	etc.)	185	Plural receivers
156	Pictorial flight path image	185	
	display	100	Displaceable by projectile
157	Non-earth fairway	105	impact
158	And obstacle (e.g., miniature	187	Resilient or pivotal portion
100	golf course windmill, etc.)		arranged in a circle to retain
159	Target is surface positioned		projectile
109		188	Top of projectile engaged
	aperture	189	Pivotal element

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190	Projectile responsive sensor (e.g., target impact indicator, etc.)	220	With lighting (e.g., laser, etc.) means attachable to or integral with implement
191	And projectile return	221	With electrical sensor or
192	Electrical sensor		electrical indicator
193	Projectile adheres to target	222	Sensor positioned apart from
194	Having projectile return		implement to interact with a
			separate cooperating sensor
195	Projectile receiving aperture		means attachable to or
	(e.g., goal opening, etc.)		
196	Aperture forming surface forms	222	integral with implement
	plane parallel to support	223	Integral with or attachable to
	surface	004	swingable implement
197	Net	224	Audible indicator
198	.Moving projectile responsive	225	Sensor integral with
	sensor or indicator		projectile addressing surface
199	Electrical	226	Device attachable to or
200	Indicator integral with		integral with swingable
	projectile		implement
201	.Hand on grip positioning aid or	227	Nonhandle element engagable
	grip indicator		with body
202	With electrical sensor or	228	Air resistance device (e.g.,
	electrical indicator		airfoil, etc.)
203	Integral handle having finger	229	Anchored (e.g., tethered,
205	conforming configurations		etc.) swingable implement
204	Angularly related integral grip	230	Wheel
204	portions	231	Adjustable swingable
205	-	201	implement, or swing or
205	Worn on hand (e.g., glove,		position indicator
000	etc.)	232	Alterable shaft provides
206	Removably attachable to	232	swing force indication
	swingable implement	233	Swing speed indicator
207	.Practice device attachable to	234	Audible
	body	234	
208	Attachable to head, neck, or	235	Projectile retained by head
	mouth		of swingable implement during
209	Electrical	0.2.6	swing
210	Sighting element (e.g.,	236	Projection on face of
	eyeglasses, etc.)		swingable implement head
211	With displaceable indicator		provides reduced striking area
	responsive to head movement	237	Indication is a mark made by
212	Attachable to arm, hand, or		implement swing
	wrist	238	Adjustable implement or
213	Wrist		static position indicator
214	Spans elbow		(e.g., with respect to the
215	Attachable to hips, torso, or		golfer, projectile, target,
210	waist		etc.)
216	Waist encircling belt anchored	239	Adjustable shaft length
210	to static structure	240	Reflective element
217	Attachable to foot	241	Bubble leveler
		242	Integral with or attachable
218	.Foot positioning aid and		to swingable implement head
	indicator associated with	243	Self-standing implement
010	swingable implement	244	Selectively adjustable
219	.Practice swingable implement or		positioning means
	indicator associated with	245	Adjustable loft angle
	swingable implement	246	And adjustable lie angle
		2.10	aligic adjubicable inc aligic

247	Longitudinal bore in head receives elongated member	275	And separate body engagable member
	about which head pivots	276	Engaged with arm or shoulder
248 249	Adjustable lie Surface on head simulates	277	Engaged with hips, torso, or waist
	ball	278	.Practice projectile addressing
250	Having transparent or translucent element		<pre>surface (e.g., driving mat, etc.)</pre>
251	Used for putting	279	Selectively adjustable (e.g.,
252	Horizontally spaced linear	200	tiltable etc.)
	indicia perpendicular to	280	.Practice projectile
252	projectile striking face	281	Having air resistance device
253	And vertically spaced	282	.Club or club support
054	apart indicia	283	And scorekeeping device
254	Vertically spaced apart	284	And tee
0.5.5	indicia	285	And ball position marker
255 256	T-shaped head Particularly weighted practice	286	And turf repair tool or ball retriever
	implement	287	Club set
257	Swingable implement swing path	288	Interchangeable handle,
	indicator		striking face, or shaft
258	Head or shaft continuously engaged during swing	289	Particular correlated shaft flexural characteristic
259	Closed loop	290	Particular correlated head
260	Swingable implement head		characteristic
0.61	engaged	291	Mass distribution
261	Barrier which monitors swingable implement head movement	292	Head, shaft, and handle having particular combined center of gravity
262	Barrier is projectile addressing surface	293	Player faces target (e.g., croquet style putter, etc.)
263	Self-righting	294	Hands spaced apart on handle
264	Plural barriers, vertically	295	Rotatable handle
201	spaced apart	296	Longitudinally adjustable
265	Plural barriers, horizontally	200	handle or shaft
	spaced apart	297	Particularly weighted handle
266	.Body movement or position	298	Grip or handle having
	indicator (e.g., stance aids,		particular nonwinding
	etc.)		attachment to shaft (e.g.,
267	Reflective device		quick detachable, etc.)
268	Sighting device directing	299	Reattachable
	golfer`s visual focus toward a	300	Grip
	point to restrain head	301	Spiral winding
	movement	302	Having recess or projection
269	Responsive to weight shift	303	Having longitudinal recess or
270	Foot positioning aid		projection
271	Having separate body engagable	304	One piece head and shaft
	member	305	Head and shaft connection
272	Selectively adjustable with	306	Threaded shaft
	pivotal members	307	Detachable and reattachable
273	Selectively adjustable with	308	Sleeve or winding engaged over
	linearly slidable member (e.g., telescopically		outside of joint, hosel, and
	extendible)	200	shaft
274	Engaged with head or neck	309	Joint formed with sleeve engaging shaft and hosel

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310	Resilient sleeve engaging	344	Having particular sole plate
	hosel and outer shaft wall	345	Hollow body
311 312	Shaft contacts sole Having core (e.g., weight,	346	With internal support rib or injected material
512	etc.) positioned in head	347	Embedded fiber composition
	engaging shaft end	348	_
313	Putter		Including metal
		349	Particular material
314	Particular relationship between shaft longitudinal		composition or mass distribution
	axis and head orientation	350	Recess or cavity behind
315	Noncircular shaft end wall		striking face
	engages hosel	351	.Ball
316	Shaft	352	Buoyant
317	Reduced air resistance	353	Having locator means
318	Including nonmetallic material	354	Liquid interior
	or vibratory wave modifying	355	Hollow pockets between
	feature	555	spherical core and cover
319	Filament (e.g., fiber, etc.)	356	Wound interior
515	or sheet wrapped about shaft		
	longitudinal axis	357	Surrounding non-wound
320	-		spherical core
	Including metal	358	Hollow core
321	And metal	359	Metal core or winding
322	Sections connected along	360	Wound wire
	longitudinally extending seam	361	Plural diverse layers between
323	Shaft tapered in steps		core and cover
324	Head	362	Diverse tension in wound
325	Plural striking faces		layers
326	Liquid interior	363	Nonwound layer
327	Reduced air resistance	364	Plural diverse nonwound
328	Reduced ground resistance		layers
329	Striking face surface deforms	365	Having particular cover
	upon impact (e.g., resilient,	366	Wound wide band
	etc.)	367	Interior includes injected or
330	Curved, grooved, or roughened	507	-
550	striking face	260	compressed material
331	Plural grooves	368	Injected material
332	Vibratory wave (e.g, shock	369	Injected gas
334		370	Diverse layer between
222	wave, etc.) modifying feature		shperical core and cover
333	With element displaceable with	371	Particular unitary or layered
	respect to another head		construction
~~ .	element during swing	372	Containing metal
334	Selectively adjustable	373	Diverse layer between
	weighting element		spherical core and cover
335	Embedded in head	374	Diverse layer between
336	Elongated horizontal bore		spherical core and cover
337	Perpendicular to projectile	375	Hollow core
	striking face	376	Plural diverse layers
338	In vertical bore access by	377	Diverse cover and interior
	sole	378	Particular cover (e.g., size,
339	In vertical bore access	570	
	through top		material, dimple pattern,
340	Putter	270	etc.)
341	Toe and heel weighting	379	Icosahedral dimple pattern
342	Striking face insert	380	Cuboctahedral dimple pattern
		381	Dodecahedral dimple pattern
343	Wood composition		

202		110	
382	Octahedral dimple pattern	416	.Having game element combined
383	Particular dimple detail		with or convertible to game
384	Depth or width		element or practice or
385	Containing metal		training device for different
386	.Tee setting device		type of projectile game
387	Tee	417	.Means removably supporting
			projectile in position to be
388	Folded flat stock material		struck and thereby projected
389	Separable from pack containing		by player (e.g., batting tee,
	plural tees		
390	Plural	41.0	etc.)
391	Separable or separately	418	Projectile suspended or is
	movable		supported by column of fluid
392	Projectile supporting surface	419	Having means engaging top of
372	horizontally offset from		projectile (e.g., kicking
	vertical insertable shank		trainer or tee, etc.)
202		420	For projectile intended to be
393	Tether		projected by kicking (e.g.,
394	Restrained by auxiliary weight		kicking trainer or tee, etc.)
395	Wire	421	_
396	Relatively movable sections		.Batting backstop or cage
397	Pivotal about distinct	422	.Practice or training device
	horizontal axis	423	Tethered projectile
398	Elevation guide	424	Tether attached to means
	_		adapted to be held by, carried
399	Particular biodegradable or		by, or attached to person
	frangible material	425	Person held, carried, or
400	Elevation guide for insertable	-	attached means is
	shank		nonmechanical projector
401	Plural diverse materials	426	
402	Shank extends below level of	420	Projectile tethered between
	projectile addressing surface	105	opposed tether sections
403	At acute angle with surface	427	Projectile continuously driven
404	.Green slope indicator		in closed orbit prior to being
405			struck
405	Accesory device located on	428	Projectile slidable along a
	projectile addressing surface		line
	(e.g., tee block, direction	429	Tether pivotally attached for
	indicator, etc.)		orbital revolution
406	.Ball position marker	430	Projectile suspended by tether
407	.Club selection, ball direction,	431	Having projectile return means
	or distance indicating aid		
408	.Player manipulated turf repair	432	Return chute
	tool	433	With or for basketball-type
409	Method		goal
410	CROQUET; GAME ELEMENT OR	434	Deflector
410		435	Planar
	ACCESSORY THEREFOR	436	Using moving arm or rotating
411	.Arch type of goal or target, per		wheel
	se (i.e., croquet wicket)	437	Weight externally mounted by
412	.Player-carried, nonmechanical	157	user to manually held and
	projector, per se (e.g., a		
	mallet, etc.)		swung projector for warmup or
413	.Ball, per se	420	exercise
414	HOPSCOTCH	438	For football or rugby
415	PLAYING FIELD OR COURT GAME; GAME	439	Projectile target or stop
113	ELEMENT OR ACCESSORY THEREFOR	440	Running grid or resistance
			course
	OTHER THAN PROJECTOR OR	441	Blocking, tackling, or
	PROJECTILE, PER SE		charging device

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442	Suspended or suspendible dummy	467
443	Suspension movable in	
	horizontal plane	468
444	Self-erecting or person-	
	supported dummy	
445	Dummy mounted on support	469
	enabling traverse over ground	
	or floor during training	
	(e.g., charging sled, etc.)	470
446	For game using apertured or	
	pocketed goal or target (e.g.,	
	for hockey, soccer, polo,	471
	lacrosse, etc.)	
447	For game using elevated,	
	horizontally disposed goal or	
	target (e.g., for basketball,	
	etc.)	472
448	Hoop-opening reducer or means	
	for improving arch of ball	
	shot toward goal or target	
449	Rebound or tipping trainer	473
450	Player worn or carried	
451	For game in which play involves	
	base running (e.g., for	
	baseball, cricket, etc.)	
452	Foot positioner (e.g., stance,	474
	stride device, etc.)	
453	Bat swing analyzer or guide	485
454	Pitcher`s target	475
455	With electrically operated or	476
	actuated indicator	477
456	Having subdivided strike zone	4//
457	Practice bat	470
458	Player worn or carried	478
459	For game using field or court	
	having dividing means thereon	479
	for separating opponents	479
	(e.g., for tennis, volleyball,	
	table tennis, etc.)	480
460	Projectile collector for field	481
	or court (e.g., trough, ball	401
1 (1	sweeper, etc.)	482
461	Racket or paddle swing	483
160	analyzer or guide	405
462	Projectile target	484
463	Practice racket or paddle	101
464	Player worn or carried	485
465	.Having at least two different	105
	types of game elements used in	486
100	same game	487
466	For game in which court or	TUI
	field is body of water (e.g.,	488
	water polo, water volleyball, etc.)	UUF

467	Having boundary detector (e.g.,
	ball-out-of-bounds detector
	for tennis court, etc.)
100	

- ..For game in which play involves base running (e.g., baseball, cricket, etc)
 ..Having field or court dividing
- barrier with apertured goal or target therein or thereon ..For game using goal or target
- for projectile (e.g., football, rugby, etc.)
- 471 ...For game in which goal or target is peripherally located aperture or pocket (e.g., hockey, soccer, lacrosse, polo, etc.)
- 472For game in which peripheral goal or target is elevated and horizontally disposed (e.g., basketball, etc.)

173	For game using field or court
	having dividing means thereon
	for separating opponents
	(e.g., a net used for
	volleyball, etc.)

- 74 ...For game also using projectors carried by players (e.g., tennis, badminton, etc.)
 75 ...Table tennis
 76 .Goal or target structure for
- 7 ...For football or rugby (e.g.,
- goal post, etc.) 78 ..Apertured or pocketed goal or target (e.g., for hockey, soccer, polo, lacrosse, etc.)

...Goal or target is elevated and

- horizontally disposed (e.g., for basketball, etc.) 80With goal indicator 81Backboard or support structure therefor
- 82Suspended
 83With height adjustment feature
 84Having parallelogram linkage
 85 ...Hoop or the net, pocket, or support structure therefor
 86Breakaway hoop
- 487Having means for mounting over edge of support
 488Quick mount hoop

489	Removable net-mounting subassembly	516	PLAYER HELD AND POWERED, NONMECHANICAL PROJECTOR, PER
490	.Means for dividing field or		SE, FOR PROJECTING AERIAL
	court into compartments; element thereof or accessory		PROJECTILE BY STRIKING; PART THEREOF OR ACCESSORY THEREFOR
	therefor (e.g., a net, marking	517	.Having projectile retrieving
	strip, marked line, etc.)		means
491	Net attachable to game table	518	.Body attachable
492	Net post	519	.With user shiftable, adjustable,
493	With net-tightening means		or interchangeable weight for
494	Net, with net, or for net		use during play or with freely
495	Net center stay		shiftable mass for increasing
496	.Table-tennis table		impact force
497	.Pitching rubber or mound	520	.With sound-deadening, vibration-
498	.Cricket wicket		damping, or shock-absorbing
499	.Base for game in which play		feature other than projectile-
	involves base running (e.g.,		or hand-contact surface or with rebound reducing feature
	for baseball, etc.)	521	For racket or paddle
500	With indicator	522	Contacts string
501	Breakaway	523	In, under, or contacting grip
502	.Flag belt (e.g., for use in	524	.Racket or paddle; accessory
	football game without tackling, etc.)	521	therefor (e.g., a tennis
503	.Projectile catcher other than		racket, tennis racket press,
	combined projector-catcher		etc.)
	device	525	Having striking faces attached
504	.Cover for playing field or court		to the ends of intermediate handle
	(e.g., for baseball field,	526	
	etc.)	520	Having handle at an angle to, offset from, or nonradially
505	PLAYER-HELD DEVICE FOR BOTH		oriented relative to plane of
	PROJECTING AND CATCHING AERIAL		striking member
	PROJECTILE; PART THEREOF OR	527	Paddle
	ACCESSORY THEREFOR (I.E., COMBINED PROJECTOR-CATCHER	528	Projectile striking surface is
	DEVICE)		flexible sheet secured to
506	.With tethered projectile		peripheral frame
507	Having pocketed catcher	529	Having resilient blade facing
508	Having elastic tether	530	Blade having means to enhance
509	.Having projectile conducting		friction upon impacted
	means between separate		projectile (e.g., to enhance
	entrance and exit (e.g.,		English upon projectile, etc.)
	continuous orbit, etc.)	531	Folding or detachable shaft
510	.Both projector and catcher are	532	Having replaceable string frame
	pocketed	533	Double strung (i.e., having
511	With mechanical projection		striking faces formed from two
512	Pocket-to-pocket type		spaced-apart, planar sets of
513	Having pocket with laterally	F2 4	strings)
	facing opening (e.g., lacrosse	534	With adjustable string-
	stick, jai alai cesta, etc.)	гог	tensioning means
514	.Having impaling, hooking, or	535 526	Fiber reinforced plastic frame
	ensnaring type catcher	536	Plural fiber compositions
515	.Having pocketed catcher		
	connected to but spaced apart		
	from projector		

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537	Having dimensional characteristic or other	5
	parameter specified by a number, numeric variable, or	5
	mathematical formula (e.g., location of center of gravity,	5
	elastic modulus of a string,	5
	weight of racket, etc.)	-
538	Of handle or grip	5!
539	Elongated string-hole liner	5
555	(e.g., grommet, bushing, etc.)	-
540	Having string mounting feature	5
JIU	other than mere through-holes	5
	lying in string plane	
541	Extending radially inward from	5
JII	inner frame edge	
542	5	5
542	Having nonplanar string-hole	5
	pattern or arrangement in frame	
E 4 2		5
543	Prefabricated string assembly,	5
	means to prevent relative	5
	movement or wear at crossover	5
	points of strings, or having	
	one or more strings with	5'
	specified characteristic or	
544	arrangement	
544	Nonmetallic frame having	
	metallic reinforcement or	
	frame composed of metal-	5'
- 4 -	plastic composite	5'
545	Metallic frame	5'
546	Throat wedge, bridge, or	0
	reinforcement	
547	Having laminated frame	
548	String guard, frame bumper or	5'
	guard, or specified shaft to	5
	head connection	
549	Handle or grip structure	
550	Dispensing, cooled, or	5'
	externally ventilated	5
551	Having hand or finger	
	conforming contour, through-	
	hole for finger, portion	5'
	overlying back of hand,	J
	projecting hand stop or	
	positioner spaced from butt,	
	wrist strap, or nonstandard	5'
	transverse cross-section	С
552	Grip or handle longitudinally	
	or rotationally adjustable	
	relative to head or shaft or	
	changeable in length	
553	Accessory for use with racket	
	or paddle (e.g., used with or	5'
	for tennis racket, etc.)	
554	Press	

555	Racket frame holder or support		
	for use while stringing		
556	With stringing or string-		
	stretching device		
557	Stringing or string-stretching device		
558	.Mallet		
559	.Club		
560	Having elongated blade (e.g., hockey stick, etc.)		
561	Fiber reinforced		
562	Stick to blade joint		
	construction		
563	Blade construction or		
	accessory		
564	.Bat (e.g., baseball bat, etc.)		
565	Having elongated blade (e.g., cricket bat, etc.)		
FCC			
566	Of metallic-shell structure		
567	Of plastic composition		
568	Grip		
569	PROJECTILE, PER SE; PART THEREOF		
	OR ACCESSORY THEREFOR		
570	.With light-emitting, electrical, magnetic, or rotatable		
	inertial means or having		
	boundary-detector activating		
1	means		
571	.With sound-producing means		
572	.With sound-producing means .Having suction cup		
-	.With sound-producing means .Having suction cup .Having bristled, hooked, or		
572	.With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence		
572	.With sound-producing means .Having suction cup .Having bristled, hooked, or		
572	.With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence		
572	.With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced		
572 573	.With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means		
572 573	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily 		
572 573	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky 		
572 573 574	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) 		
572 573	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for 		
572 573 574	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, 		
572 573 574	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or 		
572 573 574 575	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like 		
572 573 574	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or 		
572 573 574 575	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to 		
572 573 574 575	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person 		
572 573 574 575	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing upon impact, openable to 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing upon impact, openable to expose interior chamber, or having parts adapted to move 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing upon impact, openable to expose interior chamber, or having parts adapted to move away from, or be separated 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing upon impact, openable to expose interior chamber, or having parts adapted to move 		
572 573 574 575 576	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing upon impact, openable to expose interior chamber, or having parts adapted to move away from, or be separated 		
572 573 574 575 576 577	 .With sound-producing means .Having suction cup .Having bristled, hooked, or looped surface for adherence to complementarily surfaced means .Having means for nonpenetrating adherence to complementarily surfaced means (e.g., tacky surface, etc.) .Having attached or means for attaching thereto tether, elongated flaccid streamer, or the like Attached tether, streamer, or the like has means adapted to be held by, carried by, or attached to person .Scattershot, material dispensing upon impact, openable to expose interior chamber, or having parts adapted to move away from, or be separated from, one another upon impact 		

579	Shuttlecock (e.g., badminton shuttlecock, etc.)	600	.Having solid core within outer cover; core or cover therefor
580	Having independent feathers or	601	(e.g., baseball, etc)
F 0 1	vanes Marine fluid and hating and	601	And having intermediate layer
581	Having fluid-conducting means		between core and cover or
582	Head structure		having core or cover composed of plural layers
583	Broadhead	602	
584	Having interchangeable blade	60Z	Having plural intermediate
585	And vane structure (i.e., flight guiding or stabilizing means)		layers, at least one being of material diverse from material of core, cover, or another intermediate layer; or having
586	Vane structure (i.e., flight guiding or stabilizing means)		core or cover composed of three or more layers, at least
587	.Curling stone		two being of diverse materials
588	.Disk- or ring-shaped (e.g., ice hockey puck, etc.)	603	.Having fluid-retaining bladder removable from within
589	Ring-shaped (e.g., deck-tennis quoit, etc.)		enclosing cover or casing (e.g., football, etc.)
590	.Boomerang	604	.Having hollow core or bladder
591	.Horseshoe	004	enclosed within cover (e.g.,
592	.Tipcat		basketball, soccer-ball,
593	.Having self-contained means for		tennis ball, etc.)
	inflating, pressurizing,	605	And having intermediate layer
	reinflating, or repressurizing		composed of wrapping of
	projectile with fluid or		strands or strips between
	comprising reinflating or		cover and core or bladder
504	repressurizing method	606	Cover is composed of feltlike,
594	.Having loose internal element,		napped, or cloth material
	containing or adapted to		(e.g., tennis ball, etc.)
	contain liquid, or comprising	607	.Comprising cover for core; blank
	spherically configured ball having variable or eccentric		or closure therefor
	center of gravity	608	Closure therefor
595	.Having means other than	609	.Having hollow, fluid-impervious
575	ellipsoidal spheroid shape		shell, core, or bladder
	(e.g., football shaped, etc.)	610	With sealable opening, valve,
	to produce erratic or		or inflation tube for
	unpredictable rebounding or		insertion of fluid (e.g.,
	rolling thereof		beach ball, etc.)
596	.Having handle or surface	611	.Comprising opening, valve, or
	configuration for enhancing		inflation tube for insertion
	user`s handgrip thereon	610	of fluid
597	Grip-enhancing means comprises	612	.Having visible skeletal structure
	closure or seam of casing or	613	.Having fluid-dynamic means other
	cover or comprises simulation	010	than stitched seam or textured
	of such closure or seam (e.g., lacing of football casing,		surface to alter, stabilize, or retard passage of
F 0 0	etc.)		projectile through the fluid
598	.Comprising casing or cover		(e.g., spiral fluting to
	having stitched seam or laced		impart spin, etc.)
	closure; blank for such casing or cover (e.g., casing of	614	.Having projections extending
	or cover (e.g., casing of baseball, etc.)	-	outwardly from external
599			surface or consisting of a
<i>בב</i> נ	For distensible bladder (e.g., casing of football, etc.)		mass of radially oriented filaments

473 - 12 CLASS 473 GAMES USING TANGIBLE PROJECTILE

615 .Player held or worn means for enhancing movement of projected projectile (e.g., a handheld, ball-curving assist means, etc.)

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

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FOR 100 BASKETBALL (273/1.5R)
FOR 101 .Basketball training devices
           (273/1.5A)
FOR 102 BASEBALL (273/25)
FOR 103 .Practice devices (273/26R)
FOR 104 ... Target or backstop (273/26A)
FOR 105 ...Bats (273/26B)
FOR 106 ... Player worn (273/26C)
FOR 107 .. Ball pitching devices (273/26D)
FOR 108 .. Tethered (273/26E)
FOR 109 .. Tethered balls slidable along a
           line (273/26EA)
FOR 110 .Field covers (273/27)
FOR 111 .Ball curvers (273/28)
FOR 112 TENNIS (273/29R)
FOR 113 .Table (273/30)
FOR 114 .Court marking strips (273/31)
FOR 115 .Practice (273/29A)
FOR 116 .Nets (273/29B)
FOR 117 .. Net center stay (273/29BA)
FOR 118 .. Net post (273/29BB)
FOR 119 ... Net tightening (273/29BC)
FOR 120 ....Reel (273/29BD)
FOR 121 ....Lever (273/29BE)
FOR 122 .... Screw (273/29BF)
FOR 123 ....Rotating post (273/29BG)
FOR 124 FOOTBALL (273/55R)
FOR 125 .Tackling dummies (273/55A)
FOR 126 .Kicking tees and kicking
           trainers (273/55B)
FOR 127 .Flag belts (273/55C)
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FOR 128 .Goal post structure (273/55D) FOR 129 CROQUET (273/56) FOR 130 .Tables and boards (273/57) FOR 131 HOPSCOTCH (273/57.1) FOR 132 HOCKEY FOR 133 FENCING (273/57.3) FOR 134 BALLS (273/58R) FOR 135 .Baseball (273/60R) FOR 136 .. Covers (273/60A) FOR 137 .. No windings (273/60B) FOR 138 .Tennis (273/61R) FOR 139 .. Ping-pong balls (273/61A) FOR 140 .. Fabrics, per se (273/61B) FOR 141 .. Rubber formulations (273/61C) FOR 142 .. Methods of pressurizing (273/ 61D) FOR 143 .Football and basketball (273/ 65R) FOR 144 .. Closure (273/65A) FOR 145 ...Bladders (273/65B) FOR 146 .. Valves: composite (273/65C) FOR 147 ... Valves: rubber (273/65D) FOR 148 .. Casings (273/64E) FOR 149 ... Nonball art (273/65EA) FOR 150 ... Windings (273/65EB) FOR 151 ... Weighted (273/65EC) FOR 152 ... Ball making methods (273/65ED) FOR 153 ... One-piece construction (273/ 65EE) FOR 154 ... Spiraling and electrical (273/ 65EF) FOR 155 ... Gripping structure (273/65EG) FOR 156 .. Closure means (273/65F) FOR 157 .Solid and covered (273/58A)FOR 158 .Hollow: single layer (273/58B) FOR 159 .Plural layer (273/58BA) FOR 160 .Tethered (273/58C) FOR 161 .Skeleton (273/58D) FOR 162 .Sounding (273/58E) FOR 163 .Loose internal elements (273/ 58F) FOR 164 .Including electrical components (273/58G) FOR 165 .Liquid containing (273/58H) FOR 166 .rubber formulation (273/58J) FOR 167 .Surface projections (273/58K) FOR 168 BAT, MALLET, RACKET, OR BILLY (273/67R) FOR 169 .Baseball (273/72R) FOR 170 ...Metal shell (273/72A) FOR 171 .Tennis (273/73R) FOR 172 ... Presses and cases (273/74) FOR 173 ... Handle grips (273/75) FOR 174 ... Table (273/76)

FOR 175 ...Stringing devices (273/73A) FOR 176 .. Stretching devices (273/73B) FOR 177 ... Bow structure (273/73C) FOR 178 .. String fastener or guides (273/ 73D) FOR 179 .. Adjustable tension (273/73E) FOR 180 ..Laminated nonmetallic (273/73F) FOR 181 .. Throat structure (273/73G) FOR 182 .. Metal (273/73H) FOR 183 .. Handle structure, per se (273/ 73J) FOR 184 .. Metal reinforced (273/73K) FOR 185 .. Replaceable string frame (273/ 73T.) FOR 186 .Croquet (273/83) FOR 187 .Police clubs (273/84R) FOR 188 .. Electric shock (273/84ES) FOR 189 .Hockey sticks (273/67A) FOR 190 .Hand or foot attached (273/67B) FOR 191 .Polo mallet (273/67C) FOR 192 .Cricket bat (273/67D) FOR 193 .. Handle structure (273/67DA) FOR 194 .. Grips, guards, and weights (273/67DB) FOR 195 .. Blade facings (273/67DC) FOR 196 .Combined projector and catcher (273/318)FOR 197 .. Tethered projectile (273/319) FOR 198 ... Pocketed catcher (273/320) FOR 199 Elastic tether (273/321) FOR 200 ... Separate entrance and exit (e.g., continuous orbit, etc.) (273/322)FOR 201 .. Pocketed projector and catcher (273/323) FOR 202 ... Mechanical projection (273/ 324) FOR 203 ... Pocket-to-pocket (273/325) FOR 204 ... Transversely extending pocket (e.g., lacrosse stick) (273/ 326) FOR 205 .. Impaling, hooking, or ensnaring type catcher (273/327)FOR 206 .. Pocketed catcher-separate projector (273/328) FOR 207 .Tipcoat game, projectile therefor, or accessory (273/ 341) FOR 208 .Projectile or target having suction cup (273/344) FOR 209 .Projectile or target having magnetized material for adherence therebetween (273/ 345)

- FOR 210 .Projectile or target having complementary bristled, microhooked, or looped material for adherence therebetween (273/ 346)
- FOR 211 .Projectile or target having complementary means for nonpenetrating adherence therebetween (e.g., tacky surface, etc.) (273/347)
- FOR 213 .Tethered projectile (273/413)
- FOR 214 ..Tethered to means engageable
 with human body part (e.g.,
 hand-held means or means
 attachable to human body part)
 (273/414)
- FOR 215 .Scattershot projectile or beanbag projectile (273/415)
- FOR 216 .Arrow, dart, shuttlecock, or element thereof (273/416)
- FOR 217 ... Shuttlecock (273/417)
- FOR 218 .. Material dispensing upon impact or having fluid conducting means (273/418)
- FOR 219 .. Head structure (273/419)
- FOR 221 ... Broadhead (273/421)
- FOR 222Interchangeable blade (273/ 422)
- FOR 223 ..Vane structure (i.e., flight guiding or stabilizing means) (273/423)
- FOR 224 .Disc or ring projectile (273/ 424)
- FOR 225 ..Ring (273/425)
- FOR 226 .Boomerang projectile (273/426)
- FOR 227 .Horseshoe projectile (273/427)
- FOR 228 .Nonspherical projectile (273/ 428)
- FOR 229 .Projectile (273/128R)
- FOR 230 ..Curling stones (273/128CS)
- FOR 231 .. Rollable (273/128A)

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