, ,	· · · · · · · · · · · · · · · · · · ·		
2.1	BUSHING	40	.Rigid wheel supports
2.2	.Providing a restricted or	41	.Scrapers
	insulated environment (i.e.,	42 R	.Sliding
	sealable) for internal	42 T	For tubular leg
	elements	43	.Sockets
2.3	.Bung or tap	44	.Spring supported
2.4	Threaded	18 A	.Inclined axle
2.5	.Providing strain relief	18 CG	.Caster guard
4	CARPET FASTENERS	18 B	.Obstruction climbing aid
5	.Combined fasteners and	48.5	THERMALLY RELEASED CHECK OR
	stretchers		CLOSER
6	.Hook	49	CHECKS AND CLOSERS
7	.Moldings	51	.Liquid
8	.Rug	52	Concentric spring chamber
10	.Stair	53	Cam
11	Risers	54	Hinge
12	Rods	55	Floor pivot
13	Catches	56	Multiple piston
14	Sliding	57	Oscillating cylinder
15	Swinging	58	Oscillating piston
9	.Sliding	59	Side spring chamber
16	Strips	60	Cam
17	.Swinging	61	Spring and flexible link
17.1	CARPET STIFFENER OR ANTI-SLIP	62	Spring and gear
_,	DEVICE, PER SE	66	.Pneumatic
18 R	CASTERS	67	Flexible link
19	.Adjustable	68	Hinge
45	.Wheels	69	Spring and gear
46	Antifrictionally mounted	70	Spring and lever
47	Multiple	63	.Spring and flexible link
48	Antifrictionally swivelled	64	.Spring and gear
20	.Antifrictionally swivelled	65	.Spring and lever
21	Ball	50	.Hinge
22	Cylinder	86.1	GATE HANGERS
23	Pivoted	86.2	.Sliding and swinging
24	Fivoted .Ball	87 R	PANEL HANGERS, TRAVELERS AND/OR
25	Antifrictionally mounted	07 10	TRACKS
26	Ball	87.2	.With flexible panel attaching
27	Cylinder	07.2	means
28	Pivoted	87.4 R	
29	Prvoted .Bracket supports	07.4 10	track
30	.Detachable	87.6 R	
32		87.6 W	
	Leg elevators	87.4 W	
33	Sliding	87.8	With antifriction means
34	Swinging	88	. Ball
35 R	Locked	89	.Cylinder
35 D	Shimmy dampening	90	.Guide brackets
36	Lubricators	91	.Guide prackets
37	Pintles	92	Link and lever
38	.Pintle retainers	92 93 R	.Sliding shoe
39	Frame	93 R 93 D	
31 R	.Frame	93 D 94 R	Drapery supports .Track and bracket
31 A	Single leg frame or fork	24 K	.IIack and Diacket

# 16 - 2 CLASS 16 MISCELLANEOUS HARDWARE (E.G., BUSHING, CARPET FASTENER, CASTER, DOOR CLOSER, PANEL HANGER, ATTACHABLE OR ADJUNCT HANDLE, HINGE, WINDOW SASH BALANCE, ETC.)

94 D	Drapery supports	418	Swinging
95 R	.Covered, hollow or slotted track	419	Loop type
95 W	Wood	420	Ring type
95 D	Drapery supports	421	.Handle having mounted grip means
95 DW	Wood		(e.g., bicycle handlebar
96 R	Tracks		grips, etc.)
96 D	Drapery supports	422	.Detachable handle
96 L	Laminated	423	For battery
97	.Wheel mounts	424	For casket
98	Antifrictionally mounted wheels	425	For container
99	Door elevating	426	Auxiliary handle
100	Floor	427	Extension
101	Reciprocating track	428	Cord or rope related
102	Traveling wheel	429	Extensible handle
103	Swinging	430	.Handle with ergonomic structure
104	Swinging	130	(e.g., finger engagement
105	Vertically adjustable		structure such as indents,
106	Wheel and guide roller		grooves, etc.) and handle
107	.Wheels		user-interaction (human
107 87 B	.Overlapping doors, common track		engineering) enhancements such
07 Б 108	FERRULES, RINGS, AND THIMBLES		as improved handle dimensions
100	Ring ferrules		and handle positioning
110.1		431	INSULATED HANDLE
110.1	HANDLE, HANDLE COMPONENT, OR HANDLE ADJUNCT	432	.Handwheel
111.1	.Having receptacle within	433	.Knob type
112.1	2 -	434	.Wire type
113.1	.For plow	435	.Unshaped or unattached pad
113.1	Length adjustable pull handle	436	.Bar-type handle
	for luggage or luggage cart	437	For lawnmower
	<pre>(e.g., wheeled suitcase handle, etc.)</pre>	438	Swinging
114.1	.Luggage-type (loop style)	439	Casket handle
TT4.T	handgrip for carrying (e.g.,	440	.Braced handle
	suitcase, handbag, briefcase,	441	.Knob-type handle
	shopping bag, package, etc.)	442	With flexible suspending means
405	Extensible handle	443	.Lift
406	Detachable handle	444	.Loop-type handle
407	Welded or adhesively attached	445	Swinging
10,	handle	446	.Ring-type handle
408	Swinging handle	221	HINGE
409	With means permanently	222	.Including frangible or fusible
	connecting the handle to a		portion
	carried article	223	.With diverse art portion or
410	With means permanently		attachment
110	connecting the handle to a	224	.Ball and socket
	carried article	225	.Pliant or elastic hinge
411	With carrier handle including a	226	Metallic
	user enhanced grip attachment	227	Snap or X hinge
412	.Door handle	228	.Eyeglass hinge
413	Detachable handle	229	.Retractable pintle
414	Knob type	230	Latch hinge
415	.Drawer pull	231	.Latch hinge
416	Lift	232	Resilient securing means
417	Knob type		and the second s
	<b>*</b> *		

233	.Including lever for shifting one	262	Pintle removable from
	member of hinge relative to another	263	remainder of hingeAnd additional connector for
234 235	.Having staggered leaves .Including adjustment for		pintle or separate pintle sections
233		264	
	changing relative orientation	264	Screw-threaded connector
236	of hinged membersHaving plural independent	265	Axially shifting hinge sections
230	adjustments	266	At specific angular
237	All rectilinear	200	orientation of hinge sections
238	Including screw-operated	267	Hook and pin
230	means to move hinged members	268	Hook in aperture
239	Pivotal adjustment	269	Hook to hook
240	_	209	
240	Including screw-operated means	270	And discrete movable or
241	to move hinged members		removable connector to fasten
	About hinge axis	071	one hinge section to another
242	Including means to move hinged members	271	<pre>By relatively sliding   connection (e.g., dovetail)</pre>
243	Along or parallel to hinge	272	Including receiving connector
	axis		attachable to hinged member
244	Including threaded hinge pin	273	.Having means to reduce friction
245	Screw-operated		between hinge parts
246	To shift plate toward or away	274	By fluid lubricant
	from hinged member	275	Ball or roller bearing
247	Having adjustable spacer	276	Circularly distributed balls
	between leaf and hinged member		or rollers
	(e.g., shim)	277	.Resiliently biased hinge
248	Adjustable along or parallel to	278	Including means to render
	hinge axis	270	spring ineffective through all
249	Having interdigitated surfaces		or a portion of swing
	or slot for hinge-to-member	279	Comprising manipulatable
	fastener		element or portion
250	.Having cover	280	Biased from either direction
251	Leaf cover		toward neutral position (e.g.,
252	.Having clamp for attaching hinge		double acting)
	to hinged member	281	Helical spring transverse to
253	Circumferential clamp		hinge axis
254	.Having means to facilitate assembly and disassembly of	282	Plural hinge axes (e.g., multiple pintle)
	hinge sections to join or	283	
	disjoin hinged members	203	And barrels for helical springs on separate axes
255	Resiliently biased hinge	284	Resiliently biased rolling or
256	Having helical spring along	204	sliding cam surface
250	hinge axis	285	
257	Resiliently biased retaining	203	By helical spring along hinge axis
237	means	286	Having transverse helical
258	Having discrete latch and	200	spring or elastic strip
230	spring to slide or pivot latch	287	Plural hinge axes (e.g.,
259	Discrete retaining means for	207	
437	pivotal contacting surfaces	288	<pre>multiple pintle )Four or more axes</pre>
260	_		
260	Separation of pivotal	289	To counterbalance weight of
261	contacting surfaces		hinged member (e.g., closure
261	Having movable or removable	200	biased to open position)
	connector	290	Including pivoted coaxial
			spring retaining bar

# 16 - 4 CLASS 16 MISCELLANEOUS HARDWARE (E.G., BUSHING, CARPET FASTENER, CASTER, DOOR CLOSER, PANEL HANGER, ATTACHABLE OR ADJUNCT HANDLE, HINGE, WINDOW SASH BALANCE, ETC.)

291	<pre>Over-center spring or linkage   travel (e.g., "holdback   hinge")</pre>	318	Having aperture for slidably receiving pintle (e.g., camming knuckle)
292	5 .	319	•
292	Having means to hold hinged members against pivotal	319	.Including means to hold or retard hinged members against
	movement about hinge axis		pivotal movement (e.g., catch)
	(i.e., catch)	320	Magnetic
293	Over-center spring or linkage	321	Resiliently biased catch
255	travel (e.g., "holdback	322	Having spring force adjustment
	hinge")	323	Including toggle linkage
294	Plural hinge axes	324	Having discrete manipulatable
295	Coil spring having axis along	324	release means (e.g., lever)
233	or parallel to hinge axis	325	Including cam or eccentric
296	Including camming or sliding	326	Sliding release means or
	surface to deflect spring	320	lever-actuated sliding catch
	perpendicularly to the hinge	327	Sliding
	axis	328	Movement along or parallel to
297	Having means to hold hinged	320	hinge axis
	members against pivotal	329	Interdigitated or plural
	movement about hinge axis	349	sockets
	(e.g., catch)	330	Opposed interdigitated
298	Having force adjustment	330	sliding collars on hinge axis
299	Rotatable spring-engaging	331	And catch receiving socket
	collar	332	And catch receiving socket
300	Having detention aperture or	333	Pivoted
	protuberance	334	
301	Having tool-receiving	334	Plural alternately useable detents
	aperture	335	Spring arm
302	Plural hinge axes (e.g.,	336	Plural opposed arms
	multiple pintle)	337	Piurar opposed armsBy friction
303	Having axially biased camming	338	Screw-threaded adjustment
	surface	339	Along or parallel to hinge
304	Coil	337	axis
305	Plural coils	340	Threaded pintle
306	To counterbalance weight of	341	Cam or wedge actuator
	hinged member (e.g.,	342	On hinge pin or between
	horizontal closure biased to	742	surfaces surrounding hinge
	open position)		axis
307	On pintle	343	Pivoted
308	Torsion spring	344	Plural alternately useable
309	.Gravitating hinge having	311	detents
	vertical axis	345	And sliding
310	Having lift rod	346	Serially connected pivoted
311	Having plural spaced hinge axes	340	arms between leaves (e.g.,
312	Including cam surface and		brace)
	follower	347	About axis along or parallel
313	And rolling element	0 1 /	to hinge axis
314	Between opposing surfaces	348	By transversely moving pin in
315	And detent in cam surface	010	slot
316	On axially twisted or	349	Having discrete manipulatable
	helically fluted element		release means (e.g., lever
317	Including means to hold hinged		operated)
	members against pivotal	350	By shifting hinged members
	movement	351	Along hinge axis
		352	Sliding

353	Along or parallel to hinge	383	By expandable connector
	axis	384	Self-penetrating fastener
354	.Including toothed gear	385	.Specified material
355	.Comprising nested open curved	386	.Specific pintle structure
	portions attached to hinged	387	.Specific leaf structure
	members	388	.Having prongs or cooperating
356	Including hinge pin		structure on leaf
357	.Including transversely moving	389	Angular leaf sections
	pin in slot	390	Parallel sections
358	Plural noncollinear pins and	391	Coplanar sections
	slots	392	Including planar section
359	Parallel slots		perpendicular to hinge axis
360	Having pin fixed to pivoted arm	71	CLOSERS
	or plate	78	.Spring and flexible link
361	Hinge pin movable along slot	79	.Spring and gear
362	.Including sliding surfaces to	80	.Spring and lever
	permit relative translation of	72	.Spring
	hinged members	73	Bow
363	And stop or abutment for	74	Rubber
	pivotal movement	75	Torsional
364	Movement transverse to hinge	76	Coil
	axis	77	Volute
365	.Three-hinged members	81	.Weight
366	.Having plural hinge axes (e.g.,	82	CLOSURE CHECKS
	multiple pintle)	83	.Inertia
367	Having transverse or skewed	84	.Pneumatic
	axes	85	.Spring
368	Connected by serially arranged	86 R	Rubber
	pivoted links between hinged	86 A	Rubber cushioned
	members	86 B	
369	Plural sets of serially	00 Б	Multiple or opposed buffer surfaces
	arranged pivoted links	86 C	
370	Four or more axes	193	Link type  SASH BALANCES
371	Including stop or latch	193	.Cord and counterweight
372	.Including laminated leaf	194	_
373	.Wire hinge	196	.Sash and cord
374	.Having stop or abutment		.Spring
375	Adjustable or resilient	198	Drum and cord
376	Comprising relieved axially	199	Friction roller
	opposed relatively rotating	200	Lever
	surfaces	201	Rack and pinion
377	Comprising platelike bearing	195	.Rack and pinion
	portion curved about hinge	202	SASH-CORD FASTENERS
	axis	203	.Bendable
378	.Hinge axis passes through hinged	204	.Chain
	member (e.g., floor hinge)	205	.Clamps
379	Pintle or pivot concealed in	206	.Hooks
	hinged member	207	.Knot
380	.Including means to retain pintle	208	.Slack-cord holders
	in hinge (e.g., tamper proof,	209	.Weight
	nonrising pintle, etc,)	210	SASH-CORD GUIDES
381	Threaded or slotted pintle or	215	.Wheel and casing
	knuckle	211	.Casings
382	.Including means to fasten leaf	212	Sheet metal, single piece
<del>-</del>	to member	213	.Multiple wheel

16 - 6	CLASS 16 MISCELLANEOUS HARDWARE (E.G., BUSHING, CARPET FASTENER,		
	CASTER, DOOR CLOSER, PANEL HANGER, ATTACHABLE OR ADJUNCT HANDLE,		
	HINGE, WINDOW SASH BALANCE, ETC.)		

	,	· · · · · · · · · · · · · · · · · · ·
214	.Sliding	FOR 101 .Counterbalanced (16/1 C)
216	SASH WEIGHTS	FOR 102 BRUSHING OR LINING THIMBLES (16/
217	.Composite	2)
218	.Sectional	FOR 103 .Wooden receptacle (16/3)
219	.Weight and wheel	FOR 104 <b>HANDLES (16/110 R)</b>
220	WINDOW-BEAD FASTENERS	FOR 105 .Receptacle (16/110.5)
400	COUNTERBALANCE DEVICE, PER SE	FOR 106 .Bar (16/111 R)
401	.Spring	FOR 107 Swinging (16/112)
402	DOOR ESCUTCHEON OR SIMILAR	FOR 108Lawn mower (16/111 A)
	ELEMENT	FOR 109 .Braces (16/113)
403	PAPER WEIGHT	FOR 110 .Detachable (16/114 R)
404	MISCELLANEOUS ELEMENT OR	FOR 111Pot (16/114 A)
	ATTACHMENT	FOR 112 Cord (16/114 B)
		FOR 113 .Extensible (16/115)
		FOR 114 .Insulated (16/116 R)
		FOR 115 Handwheels (16/117)
CROSS-REFERENCE ART COLLECTIONS		FOR 116Knob (16/118)
		FOR 117Loop (16/119)
900	HANDLE WITH ANGULARLY ADJUSTABLE	FOR 118Wire (16/120)
	COMPONENT	FOR 119 Unshaped and unattached pads
901	HANDLE WITH MANIPULATION THEREOF	(16/166 A)
	BY HUMAN BODY PART OTHER THAN	FOR 120 .Knob (16/121)
	THE HAND	FOR 121 Flexible suspending means (16/
902	UNITARY HANDLE COMPOSED OF	122)
	DIFFERENT COOPERATING	FOR 122 Swinging (16/123)
	MATERIALS	FOR 123 .Lifts (16/124)
903	HANDLE WITH DIVERSE ART	FOR 124 .Loop (16/125)
	ENHANCEMENT (ILLUMINATOR,	FOR 125 Swinging (16/126)
	HEATER, ETC.)	FOR 126 .Ring (16/127)
904	HANDLE MEANS HAVING SANITARY	FOR 127 .Pot or pan (16/110 A)
	CHARACTERISTIC (E.G., TO	
	PREVENT TRANSMISSION OF GERMS,	
	ETC.)	
905	.Toilet seat lifter	<u>DIGESTS</u>

### FOREIGN ART COLLECTIONS

#### FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

LIGHT HANDLE COVER

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.

FOR 100 MISCELLANEOUS (16/1 R)

### DIGESTS

DIG 1 **OVERHEAD DOOR** 

_		
DIG	2	PAINT GUARD, KICK GUARD
DIG	3	HOLDDOWN
DIG	4	MIRROR MOUNT
DIG	5	PUSH AND PULL BAR
DIG	6	ANTI-RATTLE
DIG	7	DOOR OPENING APPARATUS
DIG	8	WEIGHTS
DIG	9	HYDRAULIC ACTUATED CHECKS,
		CLOSERS
DIG	10	SPRING ACTUATED CHECKS AND
		CLOSERS
DIG	11	FIREPLACE SCREEN
DIG	12	HAND GRIPS, PREFORMED AND SEMI-
		PERMANENT
DIG	13	PLASTIC HINGE
DIG	14	MAGNETIC HINGE
DIG	15	BATTERY HANDLES
DIG	16	WINDOW BRAKES, COUNTERBALANCES

906

## CLASS 16 MISCELLANEOUS HARDWARE (E.G., BUSHING, CARPET FASTENER, CASTER, DOOR CLOSER, PANEL HANGER, ATTACHABLE OR ADJUNCT HANDLE, HINGE, WINDOW SASH BALANCE, ETC.)

- DIG 17 CHECKS AND CLOSERS, HOLDING MEANS
- DIG 18 COMPOSITION HANDLES
- DIG 19 CAST OR MOLDED HANDLES
- DIG 20 DOOR BRAKES (TRACK OR GUIDEWAY)
- DIG 21 CHECKS, CLOSERS, CHECK VALVE CONSTRUCTION
- DIG 22 EXPANSION BOLT
- DIG 23 REVERSIBLE
- DIG 24 HANDLE FASTENING MEANS
- DIG 25 HANDLE FASTENING MEANS, CLAMP BAND
- DIG 26 HEADLIGHT HINGE
- DIG 27 BEARINGS
- DIG 28 MATTRESS HANDLE
- DIG 29 NESTING HINGE LEAVES
- DIG 30 KNOB, CONTROL LEVER
- DIG 31 PULLEY (DOOR GUIDES AND HANGERS)
- DIG 32 DOOR LATCH
- DIG 33 RUBBER SLEEVE BEARINGS AND HINGES
- DIG 34 ECCENTRIC ADJUSTMENTS
- DIG 35 **SKIDWAYS**
- DIG 36 SPRING
- DIG 37 NUT LOCK
- DIG 38 LAWN MOWER TYPE TONGUE AND CROSS ARM
- DIG 39 ADJUSTMENT MEANS
- DIG 40 ATTACHING MEANS
- DIG 41 COUPLING (HANDLE, ROD, SHAFT)
- DIG 42 **METHODS (MISC.)**
- DIG 43 HINGE MOUNTING BRACKET

16 - 7

16 - 8 CLASS 16 MISCELLANEOUS HARDWARE (E.G., BUSHING, CARPET FASTENER, CASTER, DOOR CLOSER, PANEL HANGER, ATTACHABLE OR ADJUNCT HANDLE, HINGE, WINDOW SASH BALANCE, ETC.)