

329	PROCESS	369	...Including slicing, slitting, chipping, or planing
330	.Repairing or reconstructing	370	....Chipping
331	..Bowling pin	371	...Routing or grooving
332	..Plywood, veneer, or board	372	...Using template or pattern
333	.Rattan or bamboo working	373	...Chipping or planing
334	.Stump removing	374	....Using ganged cutting discs
335	.Timber harvesting or processing	375	....Using cylindrical tool
336	..Tree felling	376	...Longitudinal sawing
337	...And chipping	377	...Longitudinally tapered work or product
338	...And delimiting and cutting trunk to length	378	...Log or cant sawing
339	...By shearing	379	...Transverse sawing
340	..Debarking	380	..Including heating, cooling, or fluid applying
341	...Mechanically (e.g., by engaging a friction, impacting, cutting member)	381	..Bending
342	....With pretreating	382	WITH USE OF CONTROL MEANS ENERGIZED IN RESPONSE TO ACTIVATOR STIMULATED BY CONDITION SENSOR
343	..Delimiting	383	.Including use of sensor responsive to information carried by removable auxiliary record (e.g., recording disk, tape, or card)
344	.Securing	384	..Including plural sensors or sensor responsive to comparison between plural conditions
345	..And cutting or shaping	385	...Utilizing "memory" to store information on tool or tool-linked part
346	...Surface bonding	386	...Sensing "pattern"
347	....Of interengaging work parts (e.g., dovetail)	387	...Sensing work or product (e.g., by X-ray)
348	....Including heat applying	388	....Sensing lead end or tail end
349	....With bending concurrent or subsequent to bonding	389	....Sensing cross sectional dimension
350	....Cutting or shaping subsequent to bonding	391	.Including plural sensors or sensor responsive to comparison between plural conditions
351	....Followed by additional bonding	392	..Sensing work or product (e.g., by X-ray)
352	....Including pressure applying	393	...Sensing performance of work or product
353	..By separate mechanical fastener	394	...Work and product
354	...Interengaging work parts	395	...Sensing temperature
355	...Shaping by cutting	396	...Sensing slack or tension (e.g., by use of dancer)
356	.Including monitoring of operation	397	...Sensing lead end or tail end
357	..By means which determines dimension of work	398	...Sensing cross sectional dimension
358	.Embossing or imprinting	399	....Sensing thickness
359	.Mechanical cutting or shaping		
360	..Combined cutting and shaping		
361	..Fiber working or reorienting		
362	...Roller movement parallel to grain		
363	..Cutting		
364	...Including heating, cooling, or fluid applying		
365	...Turning, boring, or drilling		
366	...Including splitting		
367	...Plural discrete diverse cutting operations		
368	....Including grooving		

400	...Sensing tool or tool-linked part	428	..Sensing force on tool
401	..Sensing tool or tool-linked part	429	...By sensing hydraulic pressure
402	.Sensing work or product (e.g., by X-ray)	430	.To control different operating assemblages
403	..Including plural sensors or sensor responsive to plural conditions	50	MATCH MAKER
404	...Work and product	51	.Wax or paper
405	...Sensing temperature	52	.Cutting, framing, and dipping
406	...Sensing slack or tension (e.g., by use of dancer)	53	..Die punch
407	...Sensing lead end or tail end	54	.Cutting and framing
408	...Sensing cross sectional dimension	55	..Die punch
409	....Sensing flatness (e.g., crown)	56	...Fixed die punch
410	....Sensing thickness	57	.Cutting and coiling
411	...Sensing tool or tool-linked part	58	.Framing and dipping
412	..Sensing temperature	59	.Coiling
413	..Sensing slack or tension (e.g., by use of dancer)	60	.Dipping
414	..Sensing lead end or tail end	61	.Box filling
415	..Including sensor responsive to infeder or outpuller	65	.Dipping frame
416	..Sensing cross sectional dimension	62	..Emptying
417	...To control operation of deformer directly by sensor	63	..Filling
418	..Including use of sensor responsive to energy input to tool or tool driver	64	...Hopper feed
419	..Sensing pressure of tool actuating fluid	66	.Splint feed mechanism
420	.Sensing tool or tool-linked part	207	OSIER PEELER
421	..To control predetermined sequence of operating movements (e.g., of one tool operating on work)	208.1	BARK ROSSER
422	...Of different operating assemblages	208.2	.Tree climber
423	....Including plural sensors or sensor responsive to plural conditions	208.3	.Hydraulically driven cutter or hydraulic jet
424	....Including work handling or product handling	208.4	.Including means to simultaneously rotate and advance log
425	..Including plural sensors or sensor responsive to plural conditions	208.5	.Including means to sequentially advance work
426	..To control operation of interlock	208.6	.Nontraveling work
427	..To stop machine	208.7	.Tethered percussive tool (e.g., chain, cable, flail, hammer)
		208.8	.Hollow head cutter
		208.9	.Drum or tank
		208.91	.Disk knife
		208.92	.Hand tool
		2.1	SPECIAL-WORK MACHINE
		3.1	.Combined
		10	..Conveyor flight making
		5	..Blind or sash cutting
		6	...Relishing
		19	..Window-stile-pocket cutting
		6.5	..Box making
		7	..Box blank making
		8	..Chair-round trimming and tenoning
		9	..Clothespin making
		11	..Handle making
		12	..Pin making
		13	..Shingle making
		14	..Spool making

15	..Wheel spoke tenoning and hub or felly boring	24.05	.Block surfacing
16	..Wheel hub making	24.06	.Stopper making
18	..Wheel-spoke trimming and tenoning	24.07	.Bobbin making
3.5	..Wheel facing or hub boring	24.08	.Bowling pin making
4	..Circular section	24.09	.Bowling ball making
4.1	..Timber cutting and handling	24.1	.Log punching
4.2	..Assembly-line type	24.11	..And expanding
4.3	..Pivoted traveling	24.12	.Stump removing
4.4	..Tie gaining and boring	24.13	.Tree delimiting
4.5	..Carried by tract car	24.14	.Lumber deknottting
4.6	..Splitting	24.15	.Ring jointing
4.7	..Assembling connector to wood strip for subsequent assembly with another wood strip	24.16	.Patch cutting
4.8	..Printing or marking	24.17	.Using rattan
4.9	..Slabbing-off, log squaring	24.18	.Ladder making
26	.Comb-teeth cutting	24.19	.Rack or grid making
25	.Box hooping	24.2	.Staglike handle making
27	.Hinge-seat cutting	24.21	.Oil cake trimming
29	.Piano-hammer felting	24.22	.Wood shoe or wood shoe last making
28	.Pencil-wood making	24.23	.Garment hanger making
28.1	.Pencil sharpening	24.24	.Golf club making
28.11	..Hand-manipulable	24.25	.Lifter
28.2	..Including elongated work holder or guide for edge-beveling	1.1	COMBINED MACHINE
28.3	..Movable tool	35.1	.Boring and sawing
28.4	..Work actuated tool drive	35.2	..Attachment for converting one tool to other
28.5	..Work controlled switch for tool drive	36	.Planing and matching
28.6	..Rotatable or revolvable	37	..Planing, matching, and dividing
28.7	....Planetary	38	.Planing and polishing
28.71	.....Plural tools	42	.Slicing and scoring
28.72	....Including orbital or electric motor drive	39	.Planing and sawing
28.8	....Work holder or guide also rotary	40	.Riving and shaving
28.9	..Rotary work holder or guide	41	.Shaping and dividing
30	.Pin pointing	43	.Slicing and shaving
33	.Tray making	44	..Converging knives
34.1	.Tree felling	46	.Turning and boring
34.2	..Tree puller or pusher	47	.Turning and polishing
34.3	..Antisplit clamp	48	.Turning and sawing
34.4	..Burning or charring means	48.1	.Turret tools
34.5	..Shear	48.2	.Coaxial tools, different work levels
34.6	..Single blade and pass means	48.3	.Tippable frame
20	.Disk cutting and boring	48.4	.Combined band-saw
21	.Disk cutting	48.5	.Hand-held
23	..By rotary tubular cutter	48.6	..Attachments to hand-held
24	..By sweep cutter	48.7	.Different motor positions
24.02	.Core or panel machine	85	DOVETAILING MACHINE
24.03	.Box making	86	.Consecutive cutters
24.04	..Box hinging	87	.Frusto-conical bit
		88	.Inclined chisel
		89	.Inclined rotary disk
		90.1	MATCHING MACHINE
		91	.End
		91.2	.Matching cutter

72	MORTISING MACHINE HAVING CHAIN- TYPE CUTTER	119.1	..Traveling
73	..Portable	119.2	...Bowling alley
82	MORTISING MACHINE HAVING ROTARY CUTTER	121	.Reciprocating cutter
69	..Auger cutter	122	..Laterally reciprocating
70	..Portable	123	.Endless cutter carrier
71	..Automatic step feed	120	.Stationary cutter
74	..Boring cutter and mortising chisel cutter	132	..Bit adjustment
83	..Portable	128	.Endless work carrier
75	MORTISING MACHINE HAVING CHISEL	129	.Adjustable work carrier
67	..Multiple chisel	130	.Adjustable cutter
68	..Portable	130.2	.Planer sharpener
77	..Chisel reverser	133.1	GAINING MACHINE
78	..Hollow chisel and bit	133.2	..Tie gaining, ties (skepters) pass through machine
79	..Portable	133.3	..Traveling on railway track
80	..Oscillating chisel	134.1	SHAPING MACHINE
81	..Portable	134.2	..Wooden shoe or wood shoe last making
76	..Portable	134.3	..Heel forming
84	WORK SUPPORT FOR MORTISING MACHINE	135	..Box trimming
92	BORING MACHINE	135.2	..Vertical spindle
93.1	..Special work	135.3	..Overhanging cutter
93.2	..Last	135.4	..Overhanging, horizontal swinging cutter
96	..Tilting work holder for brush	136.1	..Grooving machine
97	..Wheel hub	136.2	..Grooving gun-stock
98	..Axially using stationary bitstock	136.3	..Grooving battery spacer
99	..Axially using stationary workholder	136.4	..Grooving umbrella stick
100	...Inclined bitstock	136.5	..Grooving core box
103	..Swinging	136.6	..Grooving stairway stringer
104	..Hand held portable	136.7	..Grooving log
106	..Angularly adjustable	136.8	..Forming hand hold
108	..Hand-operated step feed of long work	136.9	..Forming corner groove
114.1	PLANER	136.95	..Hand tool means
115	..Scraper	137	..Pattern
124	..Laterally beveling	138	..Polygonal form, indexed work
125	..Longitudinally beveling, inclined work pocket	139	..Rotating table, shifting cutter
126	..Longitudinally beveling, shifting cutter	140	..Gear-guided cutter
127.1	..Longitudinally beveling, shifting work support	141	..Crank-guided cutter
127.2	..Shingle planer	142	..Cutter guiding cam
117.1	..Rotary cylindrical cutter	143	..Work guiding cam
116	..Double surfacer	144.1	..Cutter guiding templet
131	..Bearings	144.2	...Shaping stringed musical instrument
117.2	..Inclined	144.3	...Shaping propeller
117.3	..Edge trimmer	144.4	...Shaping oar
117.4	..Traveling	144.41	...Horizontally swingable tool support
118	..Rotary disk cutter	144.51	...Templet, per se
		144.52	...Guide track
		145.1	..Work guiding templet
		145.2	...Vertical spindle cutter
		145.3	...Vertical spindle, antifriction collar

145.4	...Shaping last	190	.Plunger and fixed knife
146	.Oscillating knife	191	.Receiving and handling device
147	.Reciprocating knife	192	SPLITTING AND BUNDLING MACHINE
148	.Plural reversible cutters	193.1	SPLITTING MACHINE
149	.Pattern knife, swinging frame	193.2	.Tapered or wedge shaped product
150	.Rotary disk cutter, end thrust	194	.Self-feeding
151	.Universally jointed cutter shaft	195	..Roller or belt
152	..Shaping of curved-work guide	195.2	.Drop type
153	.Curved-bar work support	195.3	.Splitting gun
154	.Rotary work carrier	195.4	.Hand-operated fixed splitting machine
154.5	.Hand tool	195.5	.Hand tool
155	FIXED KNIFE SHAVER	195.6	.With adjustable work support
156	.Circular knife block rattan shaver	195.8	.Wedge
157	.Drum feed	195.1	..To be driven by fluid pressure
158	.Roller feed	195.7	..To be driven by impacting member
159	KNIFE PAIR SHAVER	195.9	.Anvil, chopping or splitting block
160	.Gripper	196	PUNCHING CUTTER
161	.Roller feed	197	.Fixed die
162.1	SLICER	205	TENON TURNING MACHINE
163	.Reslicer	206	.Wheel spoke
164	.Strip cutting by converging knives	198.1	TENONING MACHINE
165	..Lathe feed	199	.Blind slat
166	.Strip cutting by lathe feed	200	..Machine having rotary cutter
167	.Arc cut	201	..Rotary gaining cutter
168	.Beveling machine having means for alternate end feed	202	.Chisel pair
169	.Beveling machine having shifting, knife guide	203	.Rotary gaining cutter
170	.Beveling machine having tilting gauge	204	..Multiple tenon
171	.Beveling machine having tilting table	204.2	.Attachment to a table saw
172	.Cylindrical cutter	209.1	VENEER LATHE
173	..Grooving	210	.Convertible
174	..With radial knife	211	.Inclined knife
175	.Fixed knife	212	.Knife or knife block
176	.Rotary disk	213	.Presser bar or roll
177	.Oscillating log stay	214	.Log stay
178	.Reciprocating log stay	215	.Strip-cutting attachment
179	.Screw fed log stay	215.2	.Log loading or centering
180	.Hopper feed	215.3	.Eccentric curved cut
181	.Roller feed	215.4	.Diagonal cut by curved cutting edge
181.2	.Bottom cutting	216	MITER CUTTER
181.3	.Tapered product	217	.Angle knife
182	RIVING MACHINE	218	ROTARY CUTTER
183	.Beveling machine	219	.End thrust
184	.Fixed knife	220	.Frusto-conical
185	SLIVERING MACHINE	221	.Cylindrical cutter having spiral bit
186	.Scoring plane	230	.Having slotted bit seat
187	..On endless belt	222	.Double saw having intermediate cutter
188	..Rotary	238	.Wobble saw
189	.Gang saw	239	.Distorted saw

223	.Single saw with side cutter	248.6	..Roll feeds in direction of cut
224	.Polygonal rotary cutter having T-slot bit clamp	248.7	..Special shaped roll
225	.Polygonal rotary cutter having plane bit seat	250.1	.Sectional roll
226	.Polygonal rotary cutter having convex bit seat	250.11	..Rigid assembly
227	.Polygonal rotary cutter having concave bit seat	250.12	.Nonfeeding presser
228	.Plane bit seat in radial arm of cutter	250.13	..Presser roll
229	.Slotted bit seat in radial arm of cutter	250.14	...Urged by variable fluid pressure
231	.Disk cutter including multiple clamping disks, tangential bit	250.15	...Laterally acting
232	.Disk cutter including multiple clamping disks, pivoted bit	250.16	...Roll
233	.Disk cutter including multiple clamping disks, shank bit	250.17	..Chain
234	.Disk cutter including eccentric segmental bit	250.18	..Foot
235	.Disk cutter including side attached, edge cutting bit	250.19	...Four motion foot
236	.Arranged in a pattern	250.2	..Laterally acting
237	.Gang of disk cutters	250.21	.With reverse feeder
240	.Solid	250.22	..Reverse feed starter
241	..Bit	250.23	.L-feed
49	MISCELLANEOUS SINGLE-OPERATION	250.24	.Turnover
251.1	CUTTER GUARD	250.25	.Lifter
251.2	.Vertical spindle	250.26	.Fluid pressure driven
251.3	.Laterally urged	253.1	WORK GUIDE
252.1	CUTTER HOOD OR DUST CONVEYOR	253.2	.Vertical spindle
252.2	.With sifter, sorter, or separator	253.3	.Roll or collar coaxial with cutter
242.1	FEEDER OR PRESSER	253.4	.Work held by corner or diagonal work
243	.Presser bar or chip breaker	253.5	.Simultaneous adjustments along length
244	..Sectional	253.6	.Work urged laterally
245.1	.Blank feeder	253.7	..Centering
245.5	..Stacker or unstacker	253.8	..Adjustable inclined work- engaging face
245.7	...Feed from top of stack	253.9	..Side or edge evener
245.6	..Pusher having retractable dog	253.91	.Knife edge
245.2	..Endless	256.1	WOOD BENDING PRESS
245.3	...With work clamp	254	.With dryer
245.4	...Intermittent feed chain drive	255	.Including bending roller
246.1	.Feed roll	256.2	.End compressor
246.2	..With feeler or presensing device	256.3	.Having opposed contoured rigid platens
247	..Spring pressed	256.4	..Three contoured rigid platens
248	..Weighted	258	.With hoop gauge
248.2	..With oblique means urging work laterally	259	FIXED WOOD BENDING FORM
248.3	..Resilient feed roll	260	.Collapsible form
248.4	..On overhanging arm	261	.End thrust
248.5	..Work centering and feeding	262	.With sweep arm and roller
		266	.And cooperating strap
		263	..Strap moved by windlass
		264	..Strap moved by lever
		265	..Strap moved by screw
		267	PIVOTAL WOOD BENDING FORM
		268	.Coiling
		269	WOOD BENDING CLAMP
		270	WOOD BENDING, BENDER

271 **WOOD BENDING STEAMER**
278.1 **MACHINE WORK CLAMP**
278.2 .Last or heel
278.3 .Vacuum operated
284 **CORK (OR BUNG) PRESS**
285 **COMBINED WORKBENCH AND TOOL CHEST**
286.1 **WORKBENCH**
286.5 .Of special shape or structure
287 .Having adjustable stock rest
288.5 **LATH HOLDER**
306 **BENCH DOG**
307 .Clamping
308 .Removable

FOREIGN ART COLLECTIONS

FOR **CLASS-RELATED FOREIGN DOCUMENTS**

