

300	GRAVE DIGGER	234	.Including specific hydraulic control system to position implement
301	LAND CLEARER		
302	.Tree or stump remover		
303	.Stone remover	235	.Vehicle mount including power lift
3	PEAT EXCAVATORS		
196	SNOW OR ICE REMOVING OR GROOMING BY PORTABLE DEVICE	236	..Power means is hydraulically actuated piston
197	.Process	237	.With endless conveyor
198	.Railway clearer	238	..And rotary excavating tool
199	..With melter	239	..Multistage conveyors
200	...Heated plow	240	..Carrying excavating tool
201	..Explosive	241	.Combined or convertible
202	..Fluid current conveyor	242	..Rotary excavating tool
203	..For clearing single rail of set	243	...Lawnmower
204	...Electrified rail	244	.Motorized rotary excavating tool
205	...Including rotary excavating tool	245	..Tool arresting means responsive to sensed condition
206	....And scraper blade	246	..Electric motor drive
207	...Including means clearing side of, or groove in, rail	247	..Rotor shaft adjustable relative to direction of travel
208	..With endless conveyor	248	..Diverse multistage rotary tools or tool portions (e.g., feeding and throwing, etc.)
209	..Having rotary excavating tool		
210	...Plural rotary tools	249	...Including screw-type auger for first stage
211	....Diverse tools performing different stages of operation	250	....Augers on separate shafts
212	....And V-shaped scraper blade	251	....And centrifugal impeller for final stage
213	...Screw-type auger	252	.....Auger and impeller on single shaft
214	..Having scraper blade	253	..Fed by scraper blade
215	...Inclined plane with V-divider	254	...Including screw-type auger
216	....Having auxiliary blade or shiftable divider	255	....Augers on separate shafts
217	...V-shaped	256	...Including centrifugal impeller
218	...Diagonal	257	..Screw-type auger
219	.Snow or ice surface groomer	258	...Having plural vane segments
220	..Including rut cutter	259	..Centrifugal impeller
221	..Having diverse tools	260	..Having specific flow guide
222	..Including rotary tool	261	...Having motor powered adjustment
223	..Having rotary tool	262	...Vane within chute controls flow path
224	..Compacting roller	263	.Tool prepares wheel path for passage of wheel
225	.With compressor die	264	.Scoop
226	..And heater	265	..Manually powered
227	.With melter	266	.Scraper blade
228	..Having heated transport chamber	267	..Invertible
229	...Electric or solar heat source	268	..Pulled (e.g., by horse or vehicle)
230	..Manually powered	269	...V-shaped
231	.With specific means to facilitate connection to, or disconnection from, vehicle	270	..Mounted on surface contacting support or guide
232	.Vehicle mount with obstacle responsive trip, or yieldable tool (e.g., brush)		
233	..Resilient impeller or blade		

271	...For adjusting height of blade	324	..Including driven digger
272	..V-shaped		adjacent suction inlet (e.g.,
273	..Adjustable or collapsible apex		cutterhead dredger)
274	..And auxiliary wing or extension	325	...With specific bearing, or means to lubricate or seal
275	....Top flap	326	...Rotary
276	...Diverging forwardly	329	....Axis transverse with respect to suction pipe
277	...Supported on inclined plane		
278	..Manually powered	330	....Axis vertical with respect to surface of body of water
279	..Diagonally oriented		
280	...Including side gate discharge preventer	331	....Axis longitudinal with respect to suction pipe
281	..And auxiliary wing or extension	327	....Specific cutterhead structure
282	...Supported on inclined plane	328	.....Including distinct tooth or tooth mounting
283	...Adjustable about central vertical hinge	332	..Endless
284	..Manually powered	333	..Draghead dredger (e.g., dustpan dredger)
285	..Manually powered	334	..With pipe suspension or support (e.g., ladder structure)
304	SELF-LOADING VEHICLE	335	..Pipe or nozzle structure
305	..Having endless digger or conveyor	336	..With coupling (e.g., connector)
306	..Elevating wheel	337	..Rotary digger (e.g., bucket wheel)
307	BENEATH A BODY OF WATER (E.G., DREDGER)	338	..Endless
308	..With signal, scale, indicator, or inspection means	339	..Specific bucket structure
309	..With means to control dredger operation (e.g., movement of dredged material) in response to sensed condition	340	..Grab
310	..Swell compensator	341	..Scoop or bucket
311	..Suction relief valve	342	..With means to scour or scrape (e.g., propeller means, digging teeth, plow)
312	..Control of swing or swing speed	343	..Rotary digging element
313	..By use of submarine or undersea vessel	344	..Nozzle
314	..Adapted to excavate specific discrete material	345	..With vessel, propulsion, or anchor structure (e.g., bank spud, spud brace)
315	..Shellfish	346	..Bottom spud anchor
316	...Including rake or scoop structure	347	DITCHER
317	..Suction	348	..Condition responsive
318	..Having intake screen	349	..With crumber
319	..And material size reducer (e.g., crusher)	350	..Having screw digger
320	..With pumping chamber	351	..With conveyor
321	..With means to introduce lift agent directly into suction pipe	352	..Having endless digger
322	...With downstream directed jet nozzle	353	..Endless bucket
323	..With fluid jet digger adjacent suction inlet	354	...Transverse cut
		355	...Longitudinal cut
		356	....With side cutters
		357	....With distinct rotary digger
		358	....Reciprocating endless digger
		359	....With longitudinal endless conveyor

360	....With transverse endless conveyor	395	.Boom-type
361	.....Drive-related feature	396	..Including means to control digging, hoisting, and dumping
362	....Drive-related feature	397	..Including mounting or support structure (e.g., boom support, sheave or pulley support)
363	....Hand operated	398	.Scoop or bucket
364	.With side or auxiliary cutter	399	..Including support or mounting device (e.g., hitch, shackle, lifting or dumping trunion)
365	..Rotary	400	.Trolley-supported
91	.Wheel excavator	401	..Including cable or rope control means to facilitate loading, transporting, or dumping
92	..Longitudinal axis	403	COMBINED OR CONVERTIBLE
93	..Conveyor	468	.Having quick-connect coupling
94	..Transverse axis	404	.Combined with subsoiler
95	...Conveyor	405	.Combined with fork or rake
96	....Longitudinal endless	406	.Combined with clamp, grapple, or shear
97	....Transverse endless	407	.With scraper
366	.Plow	408	..Integrally mounted to a tool body and independently usable by re-positioning the tool body
367	..Slit ditcher	409	..Multicomponent tool (e.g., scoop or bucket) convertible by relative movement of tool parts
368	...Including longitudinal endless conveyor	410	..Separate tools simultaneously mounted and independently usable
369	....And transverse endless conveyor	411	SCOOP OR EXCAVATING AND TRANSPORTING CONTAINER
370	..Mole plow	413	.With alarm, indicator, signal, or inspection means
372	..With plow supported wheel or supported on wheel frame	412	.Supported on vehicle between longitudinally spaced ground supports
373	..With conveyor	414	..Condition responsive or programmable means controls the excavating operation
374	...Wheel and belt	415	...Control of attitude or depth of cut
375	...Longitudinal endless conveyor	416	...Control of scoop component (e.g., elevator, apron, or ejector)
376	....And transverse endless conveyor	417	..With specific suspension or means to steer or facilitate mounting of implement on vehicle
377	.....With colter	418	..With tandem or plural scoops or compartments
378	..With colter	419	..With means to aid loading or load distribution
379	.Shovel or scoop		
380	..Slit ditcher		
104	RAILWAY GRADERS		
105	.Side former		
106	..Scoop		
107	...Endless conveyor		
381	ROAD GRADER-TYPE		
382	.Condition responsive		
383	.Including ground supported, grader guiding rail		
384	..Adjustable digger		
385	...Rotary digger		
386	.Rotary digger		
387	..Adjustable		
388	.Transverse endless digger		
389	.Plow with transverse endless conveyor		
390	..Disc plow		
391	.Plow with transverse conveyor wheel		
392	..And endless conveyor		
393	.Plow with inclined axis conveyor wheel		
394	CABLE-OPERATED (E.G., DRAGLINE)		

- 420 ...By auger
 421 ...By digging movement of apron
 422 ...By endless conveyor
 423 ...With particular conveyor
 feature including drive means
 424 ..With coaction between apron or
 elevator and bowl
 425 ...Actuated by fluid means
 426 ..With coaction between apron or
 elevator and ejector
 427 ..With significant bowl structure
 or manipulation
 428 ...Actuated by fluid means
 429 ..With significant apron
 structure or manipulation
 430 ...Actuated by fluid means
 431 ..With particular unloading
 feature
 432 ...Rear unloading
 433 ...Revolving-type
 435 ..Mounted rearwardly of vehicle
 467 ..Handled or hand operated
 436 ..Bowl operatively connected to
 wheel axle
 437 ...Including rear unloading
 438 ...Actuated by fluid means
 439 ..With caster wheel or shoe
 440 ...Lever and latch mechanism
 441 ..Dumping runner or revolving-
 type
 434 ..Manually operated (e.g., two-
 wheel barrow)
 442 ..Pushed forwardly of vehicle for
 filling
 443 ..Dipper-type (e.g., backhoe
 bucket)
 444 ..Scoop or bucket structure, per
 se
 445 ..Including door structure or
 operator
 446 **DIGGING EDGE**
 447 ..Oscillating or reciprocating
 448 ..Corner guard (e.g., corner
 tooth)
 449 ..Repositionable digging edge
 (e.g., reversible)
 450 ..Removable digging edge having
 integral tooth adaptor
 451 ..Distinct wear element mounted
 between teeth
 452 ..Tooth or adaptor
 453 ..Having wear cap
 454 ..Repositionable or replaceable
 tooth (e.g., reversible)
- 455 ..Mounting or retaining means
 456 ...Including pin or key
 457 ...Having resilient elastomeric
 element
 458 ...Having resilient metallic
 element
 459Wire or rod formed
 460 .Specific material (e.g.,
 specialty steel, heat
 treatment of material,
 specific hardness test)
- 142.5 **DITCH FILLER**
 182 **ORANGE-PEEL BUCKETS**
 461 **CLAMSHELL BUCKET**
 184 .Common pivot
 185 ..Crossed lever
 186 .Contiguous pivots
 187 .Spaced pivots
 188 .Link-connected
 189 **ROTARY DIGGER**
 190 .Endless conveyor
 462 **ENDLESS DIGGER**
 463 .With endless conveyor
 464 ..Having nonbucket-type digging
 means
 465 .Digging chain, bucket, blade, or
 tooth structure, per se
- 195 **PROCESSES**
 466 **MISCELLANEOUS**
- CROSS-REFERENCE ART COLLECTIONS**
- 901 **BUCKET CLEANERS**
 902 **HYDRAULIC MOTORS**
 903 **SCOOP OR SCRAPER ATTACHMENTS**
 904 **VIBRATION MEANS FOR EXCAVATING
 TOOL**
 905 **NONDREDGE EXCAVATING BY FLUID
 CONTACT OR EXPLOSION**
 906 **VISUAL AIDS AND INDICATORS FOR
 EXCAVATING TOOL**
 907 **AUTOMATIC LEVELING EXCAVATORS**
 908 **CANAL CLEANERS**
- FOREIGN ART COLLECTIONS**
- FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**