

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	330	....Axis vertical with respect to surface of body of water
278	..Manually powered	331	....Axis longitudinal with respect to suction pipe
279	..Diagonally oriented	327	....Specific cutterhead structure
280	...Including side gate discharge preventer	328	....Including distinct tooth or tooth mounting
281	...And auxiliary wing or extension	332	...Endless
282	...Supported on inclined plane	333	..Draghead dredger (e.g., dustpan dredger)
283	...Adjustable about central vertical hinge	334	..With pipe suspension or support (e.g., ladder structure)
284	..Manually powered	335	..Pipe or nozzle structure
285	..Manually powered	336	...With coupling (e.g., connector)
304	SELF-LOADING VEHICLE	337	.Rotary digger (e.g., bucket wheel)
305	.Having endless digger or conveyor	338	.Endless
306	.Elevating wheel	339	..Specific bucket structure
307	BENEATH A BODY OF WATER (E.G., DREDGER)	340	.Grab
308	.With signal, scale, indicator, or inspection means	341	.Scoop or bucket
309	.With means to control dredger operation (e.g., movement of dredged material) in response to sensed condition	342	.With means to scour or scrape (e.g., propeller means, digging teeth, plow)
310	..Swell compensator	343	..Rotary digging element
311	..Suction relief valve	344	..Nozzle
312	..Control of swing or swing speed	345	.With vessel, propulsion, or anchor structure (e.g., bank spud, spud brace)
313	.By use of submarine or undersea vessel	346	..Bottom spud anchor
314	.Adapted to excavate specific discrete material	347	DITCHER
315	..Shellfish	348	.Condition responsive
316	...Including rake or scoop structure	349	.With crumber
317	.Suction	350	.Having screw digger
318	..Having intake screen	351	..With conveyor
319	...And material size reducer (e.g., crusher)	352	.Having endless digger
320	..With pumping chamber	353	..Endless bucket
321	..With means to introduce lift agent directly into suction pipe	354	...Transverse cut
322	...With downstream directed jet nozzle	355	...Longitudinal cut
323	..With fluid jet digger adjacent suction inlet	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**
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- FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**