GRAVE DIGGER 300  
LAND CLEARER 301  
.Tree or stump remover 302  
.Stone remover 303  
PEAT EXCAVATORS 3  
SNOW OR ICE REMOVING OR GROOMING 196  
BY PORTABLE DEVICE 198  
.Process 197  
.Railway clearer 198  
.With melter 199  
.Heated plow 200  
.Explosive 201  
.Fluid current conveyor 202  
.For clearing single rail of set 203  
.Electrified rail 204  
.Including rotary excavating tool 205  
.And scraper blade 206  
.Including means clearing side of, or groove in, rail 207  
.With endless conveyor 208  
.Having rotary excavating tool 209  
.Plural rotary tools 210  
.Diverse tools performing different stages of operation 211  
.And V-shaped scraper blade 212  
.Screw-type auger 213  
.Having scraper blade 214  
.Inclined plane with V-divider 215  
.Having auxiliary blade or shiftable divider 216  
.V-shaped 217  
.Diagonal 218  
.Snow or ice surface groomer 219  
.Including rut cutter 220  
.Having diverse tools 221  
.Including rotary tool 222  
.Having rotary tool 223  
.Compacting roller 224  
.With compressor die 225  
.And heater 226  
.With melter 227  
.Having heated transport chamber 228  
.Electric or solar heat source 229  
.Manually powered 230  
.With specific means to facilitate connection to, or disconnection from, vehicle 231  
.Vehicle mount with obstacle responsive trip, or yieldable tool (e.g., brush) 232  
.Resilient impeller or blade 233  
Including specific hydraulic control system to position implement 234  
.Vehicle mount including power lift 235  
.Power means is hydraulically actuated piston 236  
.With endless conveyor 237  
.And rotary excavating tool 238  
.Multistage conveyors 239  
.Carrying excavating tool 240  
.Combined or convertible 241  
.Rotary excavating tool 242  
.Lawnmower 243  
.Motorized rotary excavating tool 244  
.Tool arresting means responsive to sensed condition 245  
.Electric motor drive 246  
.Rotor shaft adjustable relative to direction of travel 247  
.Diverse multistage rotary tools or tool portions (e.g., feeding and throwing, etc.) 248  
.Including screw-type auger for first stage 249  
.Augers on separate shafts 250  
.And centrifugal impeller for final stage 251  
.Auger and impeller on single shaft 252  
.Fed by scraper blade 253  
.Including screw-type auger 254  
.Augers on separate shafts 255  
.Including centrifugal impeller 256  
.Screw-type auger 257  
.Having plural vane segments 258  
.Centrifugal impeller 259  
.Having specific flow guide 260  
.Having motor powered adjustment 261  
.Vane within chute controls flow path 262  
.Tool prepares wheel path for passage of wheel 263  
.Scoop 264  
.Manually powered 265  
.Scraper blade 266  
.Invertible 267  
.Pulled (e.g., by horse or vehicle) 268  
.V-shaped 269  
.Mounted on surface contacting support or guide 270  
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...For adjusting height of blade
...V-shaped
...Adjustable or collapsible apex
...And auxiliary wing or extension
....Top flap
...Diverging forwardly
...Supported on inclined plane
...Manually powered
...Diagonally oriented
...Including side gate discharge preventer
...And auxiliary wing or extension
...Supported on inclined plane
...Adjustable about central vertical hinge
...Manually powered
SELFF-LOADING VEHICLE
.Having endless digger or conveyor
.Elevating wheel
BENEATH A BODY OF WATER (E.G., DREDGER)
...With signal, scale, indicator, or inspection means
...With means to control dredger operation (e.g., movement of dredged material) in response to sensed condition
...Swell compensator
...Suction relief valve
...Control of swing or swing speed
...By use of submarine or undersea vessel
...Adapted to excavate specific discrete material
...Shellfish
...Including rake or scoop structure
.Suction
...Having intake screen
...And material size reducer (e.g., crusher)
...With pumping chamber
...With means to introduce lift agent directly into suction pipe
...With downstream directed jet nozzle
...With fluid jet digger adjacent suction inlet
..Including driven digger adjacent suction inlet (e.g., cutterhead dredger)
...With specific bearing, or means to lubricate or seal
....Rotary
....Axis transverse with respect to suction pipe
....Axis vertical with respect to surface of body of water
....Axis longitudinal with respect to suction pipe
....Specific cutterhead structure
....Including distinct tooth or tooth mounting
....Endless
...Draghead dredger (e.g., dustpan dredger)
...With pipe suspension or support (e.g., ladder structure)
...Pipe or nozzle structure
...With coupling (e.g., connector)
.Rotary digger (e.g., bucket wheel)
...Endless
...Specific bucket structure
...Grab
...Scoop or bucket
...With means to scour or scrape (e.g., propeller means, digging teeth, plow)
....Rotary digging element
....Nozzle
....With vessel, propulsion, or anchor structure (e.g., bank spud, spud brace)
....Bottom spud anchor
DITCHER
...Condition responsive
...With crumber
...Having screw digger
...With conveyor
...Having endless digger
...Endless bucket
....Transverse cut
....Longitudinal cut
....With side cutters
....With distinct rotary digger
....Reciprocating endless digger
....With longitudinal endless conveyor
CLASS 37 EXCAVATING

360 ....With transverse endless conveyor
361 .....Drive-related feature
362 .....Drive-related feature
363 .....Hand operated
364 .With side or auxiliary cutter
365 ..Rotary
91 ..Wheel excavator
92 ..Longitudinal axis
93 ..Conveyor
94 ..Transverse axis
95 ..Conveyor
96 .....Longitudinal endless conveyor
97 .....Transverse endless conveyor
366 .Plow
367 ..Slit ditcher
368 ...Including longitudinal endless conveyor
369 .....And transverse endless conveyor
370 ..Mole plow
371 ..With plow supported wheel or supported on wheel frame
372 ..With conveyor
373 ..Wheel and belt
374 ...Including longitudinal endless conveyor
375 ...Including transverse endless conveyor
376 .....And transverse endless conveyor
377 .....With colter
378 .....With colter
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)
395 .Boom-type
396 ..Including means to control digging, hoisting, and dumping
397 .....Including mounting or support structure (e.g., boom support, sheave or pulley support)
398 .Scoop or bucket
399 .....Including support or mounting device (e.g., hitch, shackle, lifting or dumping trunion)
400 .Trolley-supported
401 .....Including cable or rope control means to facilitate loading, transporting, or dumping
402 COMBINED OR CONVERTIBLE
403 .Having quick-connect coupling
404 .Combined with subsoiler
405 .Combined with fork or rake
406 .Combined with clamp, grapple, or shear
407 .With scraper
408 .....Integrally mounted to a tool body and independently usable by re-positioning the tool body
409 .Multicomponent tool (e.g., scoop or bucket) convertible by relative movement of tool parts
410 .....Separate tools simultaneously mounted and independently usable
411 SCOOP OR_excavating and transporting container
412 .With alarm, indicator, signal, or inspection means
413 .Supported on vehicle between longitudinally spaced ground supports
414 .Condition responsive or programmable means controls the excavating operation
415 .....Control of attitude or depth of cut
416 .....Control of scoop component (e.g., elevator, apron, or ejector)
417 .....With specific suspension or means to steer or facilitate mounting of implement on vehicle
418 .....With tandem or plural scoops or compartments
419 .....With means to aid loading or load distribution

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...By auger

...By digging movement of apron

...By endless conveyor

...With particular conveyor

feature including drive means

...With coaction between apron or
elevator and bowl

...Actuated by fluid means

...With coaction between apron or
elevator and ejector

...With significant bowl structure
or manipulation

...Actuated by fluid means

...With significant apron
structure or manipulation

...Actuated by fluid means

...With particular unloading
feature

...Rear unloading

...Revolving-type

. Mounted rearwardly of vehicle

. Handled or hand operated

. Bowl operatively connected to
wheel axle

...Including rear unloading

...Actuated by fluid means

...With caster wheel or shoe

...Lever and latch mechanism

...Dumping runner or revolving-
type

. Manually operated (e.g., two-
wheel barrow)

. Pushed forwardly of vehicle for
filling

. Dipper-type (e.g., backhoe
bucket)

. Scoop or bucket structure, per
se

...Including door structure or
operator

DIGGING EDGE

. Oscillating or reciprocating

. Corner guard (e.g., corner
tooth)

. Repositionable digging edge
(e.g., reversible)

. Removable digging edge having
integral tooth adaptor

. Distinct wear element mounted
between teeth

. Tooth or adaptor

. Having wear cap

. Repositionable or replaceable
tooth (e.g., reversible)

...Mounting or retaining means

...Including pin or key

....Having resilient elastomeric
element

....Having resilient metallic
element

.....Wire or rod formed

. Specific material (e.g.,
specialty steel, heat
treatment of material,
specific hardness test)

DITCH FILLER

ORANGE-PEEL BUCKETS

CLAMSHELL BUCKET

ENDLESS DIGGER

. Endless conveyor

. With endless conveyor

. Having nonbucket-type digging
means

. Digging chain, bucket, blade, or
tooth structure, per se

ROTARY DIGGER

. Link-connected

. Common pivot

. Crossed lever

. Contiguous pivots

. Spaced pivots

. Link-connected

. Endless conveyor

. With endless conveyor

. Having nonbucket-type digging
means

. Digging chain, bucket, blade, or
tooth structure, per se

PROCESSES

MISCELLANEOUS

CROSS-REFERENCE ART COLLECTIONS

BUCKET CLEANERS

HYDRAULIC MOTORS

SCOOP OR SCRAPER ATTACHMENTS

VIBRATION MEANS FOR EXCAVATING
TOOL

NONDREDGE EXCAVATING BY FLUID
CONTACT OR EXPLOSION

VISUAL AIDS AND INDICATORS FOR
EXCAVATING TOOL

AUTOMATIC LEVELING EXCAVATORS

CANAL CLEANERS

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS