

1	METHODS OF RECOVERING BURIED OBJECTS	27	.Detachment by pulling, beating, shaking or crushing
2	PLURAL ALTERNATELY USABLE UNEARTHING UNITS	28	..By opposed rotary gripping elements
3	STABILIZING COLTER OR FIN	29	.Separate successive topping stations
4	WITH ADDITIONAL EARTH OR PLANT ROLLING IMPLEMENT	30	.By non-driven rotatable cutter (e.g., rolling)
5	WITH VERTICAL CUTTER FOR VEGETATION	31	.Conveyer feed to or from cutter
6	WITH EARTH MARKER OR TRAILING EARTH CONDITIONER	32	..Cutter positioned by gauge
7	PERIODIC DUMPING IN PILES	33	..With driven gauge
8	DRIVE TRIGGERED BY DESIRED OBJECT	34	..With gauge
9	SUPPORT OVERLOAD RELEASE AND RESET; DRIVE OVERLOAD RELIEF; OR AUTOMATIC CONTROL	35	...Moved into transverse horizontal position for cutting
10	WITH PRELIMINARY REMOVAL OR UNDESIRE EARTH MATERIAL	36	..Held by conveyer during cutting
11	REMOVABLE OR ALTERNATE COLLECTION RECEPTACLES	37	...With lateral disposal of cuttings
12	WITH APPARATUS CLEANER IN NONRECOVERY ZONE OF UNEARTHING UNIT	38	...Opposed belt conveyers
13	WITH TOOTHED MOVING STRIPPER OR PICK-OFF FOR UNDESIRE OBJECT	39	...Wheel-like conveyer
14	RECOVERED OBJECT PASSES THROUGH SEPARATOR INTERSTICES	40	.With deflector or conveyer for detached plant part
15	.Assorting by size	41	.Moving topping cutter
16	RAILROAD BALLAST REMOVAL AND ASSORTING OR SEPARATING	42	..Rotary or endless
17	SEPARATION OR ORIENTATION BY FLUID CURRENT OR SUSPENSION	43	COMBINED OR CONVERTIBLE
18	SEPARATION BY PHYSICAL CHARACTERISTICS	44	POWER MEANS TO SHIFT UNEARTHING UNIT PART
19	WITH RAKE OR LATERAL DEFLECTOR FOR GROUND CONTACTING RECOVERED OBJECTS	45	TRACTOR POWERED TRAILING UNEARTHING UNIT
20	WITH MANUAL OPERATION STATION (E.G., TOPPING, SEPARATION INSPECTION)	46	UNEARTHING UNIT DETACHABLE FROM VEHICLE CHASSIS
21	HOLDING AND SEVERING PLANT PORTION IN SITU	47	UNEARTHING UNIT LATERALLY SHIFTABLE ON SUPPORT
22	.Plural level cutters	48	SEPARATE DRAFT CONNECTIONS TO UNEARTHING UNIT AND UNEARTHING UNIT SUPPORT
23	WITH SELECTIVE DELIVERY TO ALTERNATE LOCATIONS (E.G., BY-PASS)	49	MOVED OBJECT VOID FILLING OR EARTH HOLD DOWN EXTRACTOR
24	WITH COMMINUTING OR MULTIPLE CUTTING OF RECOVERED PLANT PART	50	..With agitator for extractor or extractor-carried object
25	WITH CLEANING OF RECOVERED OBJECT BY BRUSHING OR WIPING	51	..With movable stripper
26	WITH ABOVE-GROUND MEANS FOR DETACHMENT OF PLANT PART	52	.Plant impaling or snagging (e.g., roots or tops)
		53	..Retractable to strip
		54	.Opposed plant engagers
		55	..Jaw means relatively movably mounted on carrier means
		56	..Screw
		57	..Disc or roller
		58	..Claw type
		59	..One a belt or belt carrier member
		60	

61	...Opposed belts or belt carried members	89	..Moving diggers with intercepting moving stripper or conveyer
62	.With digger or root cutter		
63	STONE GATHERING AND/OR UNEARTHING BY IMPELLING ABOVE-GROUND PLANT OR OBJECT PORTION	90	..Moving digger with intercepting stripper or chute
64	.With underground stalk or root severing	91	..Moving digger carrier with relatively moving digger
65	.Impeller inclined to line of draft	92	..Separator or collector within annular or endless digger
66	GROUND ENGAGING CHAIN SEPARATORS WITH PRELIMINARY DEFLECTOR FOR SURFACE MATERIAL	93	..Rolling or coaxial with traction wheel
67		94	..Carried by endless flexible member
68	.Driven deflector	95	..Rotary
69	.Moving deflector	96	...Conical digger portion
70	TRANSVERSELY MOVING SINGLE TINE ROW	97	...Horizontal axis (e.g., longitudinal axis)
71	PLOW OR BLADE CONTINGUOUS TO VIBRATING SEPARATOR	98	...Transverse axis
72	.With resilient support or drive connection	99	..Cyclic
73	.Transversely curved or inclined separator	100	..Pivoted about ground wheel axle
74	.With side walls or guides	101	.Separating digger intercepted by moving conveyer or impeller
75	.Plural separator sets of with articulated elements	102	.Laterally deflecting diggers
76	..Relatively moving interdigitated sets	103	.Spaced, inclined shares or guides (pairs)
77	.Non-circular rolling support for a separator	104	.Inclined lifting surfaces
78	.Ground supported trailing separator	105	..Tines (e.g., forks)
79	.Supported on longitudinally spaced links	106	..Vertically stepped transverse elements
80	.Swinging about longitudinal or inclined axis	107	.Tooth or tine arrangements or details
81	.Shifting laterally	108	TRACTION WHEEL DRIVE DETAILS FOR UNEARTHING UNIT PART
82	UNEARTHING UNIT ROCKING OR FULCRUMED ON GROUND	109	UNEARTHING UNIT OR VEHICULAR BREAK-FRAME
83	LEADING PLOW OR CUTTER WITH CONTIGUOUS, FIXED INCLINED SEPARATOR	110	DIGGER AND MOVING CONVEYER UNIT ADJUSTABLE RELATIVE TO CHASSIS
84	SEPARATING DIGGER (E.G., VERTICAL COLLECTING TINES)	111	EARTH REMOVAL AND SEPARATION
85	.Moving impeller with cooperating circular arcuate guide	112	.Rolling screen or sieve (e.g., wheel or belt)
86	.Movable on supporting frame (e.g., pivoted)	113	.Spiral conveyer for excavator or separator
87	..With ejector on digger or digger carrier	114	.With impeller or clod breaker for excavator or separator
88	..Plural cooperating moving diggers	115	..Transversely moving rotary member
		116	..Rotary
		117	..Endless belt type impeller or breaker
		118	...Opposed endless members
		119	...Excavator or separator within confines of endless impeller or breakers

- 120 ...Endless impeller or breaker
above excavator or separator
- 121 ..Impeller or breaker driven
through cyclic path
- 122 .Clod pulverizer outside
separating zone
- 123 .Conveyer disposed below
separator
- 124 .Moving conveyer, digger or
separator
- 125 ..Rolling nonseparating elevator
or conveyer
- 126 ..Moving open separator or
separating conveyer
- 127 ...Compound motion (e.g., with
agitator)
- 128 ...Rotary cylinder with radially
extending separating elements
- 129 ...Rotary drum type
- 130 ...Plural, successive, endless
belt type
- 131 ...Plural successive separators,
one a belt
- 132 ..Moving screen or grate (e.g.,
shaker)
- 133 ...Relatively moving separator
elements (e.g., rollers)
- 134 ..Moving digger and separate
separator
- 135 .Separator formed in collector
receptacle
- 136 .Digger and fixedly
interconnected contiguous
separator
- 137 **WITH PROTECTIVE GUARD OR CASING**
- 138 **WITH MATERIAL REDIRECTING**
CONVEYER OR CHUTE
- 139 **UNEARTHING UNIT FIXED ON**
VERTICALLY SHIFTABLE VEHICLE
FRAME
- 140 **UNEARTHING UNIT WITH GAUGE RUNNER**
OR WHEEL
- 141 **LIFTING OR TILTING MEANS FOR**
UNEARTHING APPARATUS
- 142 **DRIVE DETAILS (E.G., CLUTCH OR**
GEARING)
- 143 **FRAMES AND/OR WHEELED CHASSIS**
- 144 **MISCELLANEOUS (E.G., HOPPER OR**
COLLECTOR)

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