

CLASS 298, LAND VEHICLES: DUMPING**SECTION I - CLASS DEFINITION**

Vehicles other than track or rail vehicles and commonly known as dumping-wagons, dump-carts, dumping-sleighs, dumping-barrows, chute-wagons, etc., adapted for carrying a freight-load and so constructed and arranged that by manipulation of the whole or a part of the vehicle the load or some considerable part thereof will move by gravity to unload the vehicle.

SECTION II - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS

For dump-cars see Class 105, Railway Rolling Stock, subclass 239, and indented subclasses.

For a self-loading or unloading vehicle having a load receiving portion which is pivotable relative to the horizontal, see Class 414, Material Article Handling, subclasses 469+, and see especially the search note to this class (298) which appears in subclass 469.

For a device for emptying a portable receptacle, see Class 414, Material or Article Handling, subclasses 403+, and see particularly indented subclasses 419+.

SECTION III - REFERENCES TO OTHER CLASSES**SEE OR SEARCH CLASS:**

- 49, Movable or Removable Closures, appropriate subclasses, for closures of the type provided for and see the search notes thereto in section IV for the loci of closures in other classes.
- 222, Dispensing, appropriate subclasses, for other dispensing devices.
- 280, Land Vehicles, subclasses 47.17+ for handle-propelled tiltable vehicles, and see the search note under indented subclass 47.26 referring to Class 298.

SUBCLASSES**1 MISCELLANEOUS:**

This subclass is indented under the class definition. Patents falling within this class and not properly classifiable in other subclasses thereof.

2 HAND TRUCKS AND BARROWS:

This subclass is indented under the class definition. Specially adapted to be propelled by hand.

3 Single wheel:

This subclass is indented under subclass 2. Mounted on one wheel.

4 SLEDS:

This subclass is indented under the class definition. Supported on runners.

5 TWO-WHEEL:

This subclass is indented under the class definition. Dumping-vehicles of all types mounted on two wheels.

6 With cover or end gate control:

This subclass is indented under subclass 5. Those of the type indicated where means is provided to operate an end-gate or cover through the dumping operation of the vehicle or means for doing so manually where such means is located at a distance from the end-gate or cover.

7 WITH LOAD-DELIVERING CHUTE:

This subclass is indented under the class definition. Dumping-vehicles of any type having some modification of the vehicle to adapt a delivery chute thereto or some combined structure of the vehicle and delivery-chute.

SEE OR SEARCH CLASS:

193, Conveyors, Chutes, Skids, Guides, and Ways, subclasses 4+ for chutes, per se,

8 PLURAL LOAD UNITS:

This subclass is indented under the class definition. Dumping-vehicles of any type where the load is divided into separate units and can be separately dumped, excepting that a tiltable load-receptacle having removable partitions is not included, but is found in other subclasses of this class under proper type.

- 9 ROTATING ABOUT VERTICAL AXIS AND TILTING:**
This subclass is indented under the class definition. Dumping vehicles in which the load-receptacle is rotatable about a vertical axis prior to, during or after tilting thereof.
- 10 ROTATING TO OVERTURN ABOUT FIXED AXIS:**
This subclass is indented under the class definition. Those in which the load-receptacle rotates about a fixed pivot to turn the load out of the open top of the receptacle.
- 11 ELEVATING AND TILTING:**
This subclass is indented under the class definition. Where the load-receptacle is tilted to permit the load to slide off the bottom of the receptacle, there being also an elevation of the load-receptacle as a whole.
- SEE OR SEARCH CLASS:
414, Material or Article Handling, subclasses 697+, for material moving devices with a vertical swinging load support of the tilting shovel or fork type.
- 12 SLIDING AND TILTING:**
This subclass is indented under the class definition. Dumping vehicles in which the load-receptacle as a whole is movable in a horizontal or downwardly inclined direction prior to, during or after tilting thereof.
- 13 Side delivery only:**
This subclass is indented under subclass 12. Those of the type indicated where the load is dumped at the side of the vehicle.
- 14 Operating mechanism:**
This subclass is indented under subclass 12. Provided with additional means for effecting any of the movements of the load-receptacle, either to dump the load or return the receptacle to its load-carrying position, or both.
- 15 Vehicle-motion controlled:**
This subclass is indented under subclass 14. Where the operation is effected by a movement of the vehicle as a whole or through the movement of some substantial part thereof.
- 16 Vehicle-motor controlled:**
This subclass is indented under subclass 14. Operated by the power plant that propels the vehicle.
- 17 TILTING:**
This subclass is indented under the class definition. Where the load-receptacle is capable of assuming an inclined or tilted position to permit the load to slide off the inclined bottom of the receptacle.
- SEE OR SEARCH CLASS:
222, Dispensing, subclass 166.
- 17.5 Tilting about plural or shifting fulcrums:**
This subclass is indented under subclass 17. Devices in which the load-receptacle is (1) selectively tiltable about at least one of a plurality of pivot axes or (2) tiltable about an axis which progressively changes concurrently with the tilting (e.g., rocking support).
- 17.6 Selectively tiltable in different directions:**
This subclass is indented under subclass 17.5. Devices in which the load-receptacle is optionally tiltable in a selected one of a plurality of different directions (e.g., towards either side).
- 17.7 Side or end delivery:**
This subclass is indented under subclass 17.6. Devices in which the load-receptacle is optionally tiltable to either an end or a side.
- 17.8 Progressive fulcrum points:**
This subclass is indented under subclass 17.6. Devices wherein the pivot axis about which the load-receptacle is tilted, during at least one tilting cycle, sequentially moves from one to another of a plurality of fulcrum points, (e.g., rocking support).
- 18 Side delivery only:**
This subclass is indented under subclass 17. Where the load is dumped at the side of the vehicle.
- 19 Operating mechanism:**
This subclass is indented under subclass 17. Provided with additional means for effecting the tilting of the load-receptacle or returning it to its load-carrying position, or both.

- 20 Vehicle-motion controlled:**
This subclass is indented under subclass 19. Where the operation is effected by a movement of the vehicle as a whole or through the movement of some substantial part thereof.
- 21 Vehicle-motor controlled:**
This subclass is indented under subclass 19. Operated by the power plant that propels the vehicle.
- 22 Fluid-pressure operators:**
This subclass is indented under subclass 19. Provided with fluid-pressure operators.
- 23 With cover or endgate control:**
This subclass is indented under subclass 17. Those of the type indicated where means is provided to operate an end-gate or cover through the dumping operation of the vehicle or means for doing so manually where such means is located at a distance from the end-gate or cover.
- 24 HOPPER TYPE:**
This subclass is indented under the class definition. Consisting of a box-container having a movable part or parts adapted, when moved, to permit the load to fall by gravity.

SEE OR SEARCH CLASS:
222, Dispensing, particularly subclass 476, et seq.
- 25 Pivoted sections:**
This subclass is indented under subclass 24. Consisting of sections pivoted together.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
29+,
- 26 Tilting bottom:**
This subclass is indented under subclass 24. Where the bottom as a whole is pivoted to tilt to permit the load to slide by gravity.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
29+, where the bottom is divided and each section is pivoted.
- 27 Bottom opening:**
This subclass is indented under subclass 24. Where the bottom of the load-receptacle can be opened to permit the load to drop by gravity to a position under the vehicle.
- 28 Removable bottom boards:**
This subclass is indented under subclass 27. The load-receptacle is provided with the removable part or parts indicated.
- 29 Hinged doors:**
This subclass is indented under subclass 24. Where the bottom of the load-carrier consists of a door or doors hinged to open and permit the load to drop.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
25,
- 30 Transversely hinged only:**
This subclass is indented under subclass 29. Where the hinge extends transversely of the vehicle only.
- 31 Longitudinally hinged only:**
This subclass is indented under subclass 29. Where the hinge extends longitudinally of the vehicle only.
- 32 Parallel swinging:**
This subclass is indented under subclass 31. Having a plurality of doors so hinged that they swing parallel to each other.
- 33 Oppositely swinging:**
This subclass is indented under subclass 31. So hinged that the doors swing in opposite directions.
- 34 Inwardly only:**
This subclass is indented under subclass 33. Swinging in opposite directions and toward a median of the vehicle in dropping the load.
- 35 Outwardly only:**
This subclass is indented under subclass 33. Swinging in opposite directions and toward the outside of the vehicle to drop the load.

- 36 Vertically movable:**
This subclass is indented under subclass 35.
Also movable in a vertical direction.
- 37 Closing equalizers:**
This subclass is indented under subclass 35.
Those of the type indicated having a single door-closing operator so constructed that all the doors are tightly closed. Such devices also permit the closing of one door in advance of another.
- 38 CATCHES:**
This subclass is indented under the class definition. Holding devices adapted to releasably hold a movable part of a dump-wagon in its normal or load-carrying position.
- SEE OR SEARCH CLASS:
292, Closure Fasteners, for closure-fasteners of general utility.

END