

## E01H

**STREET CLEANING; CLEANING OF PERMANENT WAYS; CLEANING BEACHES; DISPERSING [N: or preventing] FOG IN GENERAL [N: Cleaning street or railway furniture or tunnel walls] (cleaning in general B08B)**

### Definition statement

*This subclass/group covers:*

Methods and apparatus for cleaning streets, sports areas and the like.

### References relevant to classification in this subclass

*This subclass/group does not cover:*

Mowers convertible to apparatus for sweeping or cleaning lawns or other surfaces, e.g. to remove snow, or capable of sweeping or cleaning lawns or other surfaces	<a href="#">A01D 42/06</a>
Domestic, i.e. indoor cleaning	<a href="#">A47L 5/00</a> - <a href="#">A47L 11/00</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Cleaning in general	<a href="#">B08B</a>
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## E01H 1/00

**Removing undesirable matter [N: or small objects] from roads or like surface, with or without moistening of the surface; [N: Apparatus for treatment of undesirable matter on street] ([N: E01H6/00 takes precedence]; moistening per se E01H3/00; cleaning tramway rails E01H8/00; [N: Sweeping apparatus, particularly for lawns A01G1/12; Removing undesirable matter from floors and similar surfaces A47L5/00 to A47L13/00]; obstruction removers on vehicles B60R19/00; in combination with application of bitumen or the like E01C19/16; in combination with application of traffic line E01C23/16 )**

### Definition statement

*This subclass/group covers:*

Apparatus for removing undesirable matter, e.g. by brushing, pneumatic, hydraulic or magnetic effect.

### References relevant to classification in this group

*This subclass/group does not cover:*

Mower	<a href="#">A01D 34/00</a>
Sweeping apparatus particularly for lawns	<a href="#">A01G 1/12</a>
Removing undesirable matter from (indoor) floors and similar surfaces	<a href="#">A47L</a>
Obstruction-removers on vehicles	<a href="#">B60R 19/00</a>
Removing undesirable matter in combination with application of bitumen or the like	<a href="#">E01C 19/16</a>
Cleaning cuts, grooves in pavement; trimming pavement edges	<a href="#">E01C 23/09</a>
Removing undesirable matter in combination with application of traffic lines	<a href="#">E01C 23/16</a>
Moistening per se	<a href="#">E01H 3/00</a>
Removing snow	<a href="#">E01H 5/00</a>
Cleaning tramway rails	<a href="#">E01H 8/00</a>
Removing oil or like floating materials from open water	<a href="#">E02B 15/04</a>
Built in cleaning device for tunnels or other underground cavities	<a href="#">E21D 11/003</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Brushes in general	<a href="#">A46B</a>
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Suction cleaners in general	<a href="#">A47L 5/00</a> to <a href="#">A47L 9/00</a>
Sand-blasting in general	<a href="#">B24C</a>
Constructional measures for draining the road	<a href="#">E01C 11/22</a>
Rotating brushes for removing snow	<a href="#">E01H 5/092</a>

## E01H 3/00

Applying liquids to roads or like surfaces, [N: in general], e.g. for dust control [N: (applying specific liquids or for specific purposes: see the relative subdivision or subclass; applying hot water for melting snow E01H5/10; applicators for melting liquids E01H10/00; weed destruction E01H11/00)]; Stationary flushing devices (combined with removal of undesirable matter E01H1/00; [N: watering sports grounds A01G25/00]; spray heads, other outlets B05B; [N: dust-laying agents C09K3/22 ])

### Definition statement

*This subclass/group covers:*

Mobile and fixed devices mainly for dust control.

### References relevant to classification in this group

*This subclass/group does not cover:*

Watering sportsgrounds	<a href="#">A01G 25/00</a>
Dust-laying agents	<a href="#">C09K 3/22</a>
Weed destruction on roads	<a href="#">E01H 11/00</a>
Applying hot water for melting snow	<a href="#">E01H 5/10</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Spray heads and similar outlets	<a href="#">B05B</a>
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Applying liquids for road paving	<a href="#">E01C 19/16</a>
Applying marking material	<a href="#">E01C 23/16</a>
Combined with removal of undesirable matter	<a href="#">E01H 1/00</a>
Hydrants	<a href="#">E03B 9/00</a>

## E01H 4/00

**Working on surfaces of snow or ice in order to make them suitable for traffic or sporting purposes, e.g. by compacting snow (production of artificial snow F25C3/04 )**

### Definition statement

*This subclass/group covers:*

Working on surfaces of snow or ice in order to make them suitable for traffic or sporting purposes, e.g. by compacting snow.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Production of artificial snow or ice for winter sports	<a href="#">F25C 3/00</a>
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## E01H 5/00

**Removing snow or ice from roads or like surfaces; Grading or roughening snow or ice (by applying de-icing agents E01H10/00; obstruction removers on vehicles B60R19/00; sand, gravel or salt spreaders E01C19/20 )**

### References relevant to classification in this group

*This subclass/group does not cover:*

Obstruction removers on vehicles	<a href="#">B60R 19/00</a>
Removing snow from vehicles	<a href="#">B60S</a>

Stationary paving heating devices	<a href="#">E01C 11/26</a>
Roughening by applying de-icing agents	<a href="#">E01H 10/00</a>
Removing snow from roofs	<a href="#">E04D 13/00</a>

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Shovels or spades	<a href="#">A01B 1/02</a>
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### E01H 6/00

Apparatus equipped with, or having provisions for equipping with, both elements [N: for especially] removal of refuse or the like and elements for removal of snow or ice (E01H8/10 takes precedence)

### Special rules of classification within this group

Hardly used.

### E01H 8/00

Removing undesirable matter [N: or small objects] from the permanent way of railways [N: (controlling vegetation E01H11/00; removing ballast from rails or sleepers E01B27/023; removing, cleaning the ballast itself E01B27/04, E01B27/06)]; Removing undesirable matter from tramway rails (E01H1/00 to E01H6/00 take precedence)

### Definition statement

*This subclass/group covers:*

Devices or methods for removing dirt and snow from rails and railway tracks, including moving heating devices.

### References relevant to classification in this group

*This subclass/group does not cover:*

Obstruction removers on rail vehicles	<a href="#">B61F 19/06</a>
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Removing ballast from rails or sleepers or cleaning the ballast itself	<a href="#">E01B 27/02</a> to <a href="#">E01B 27/06</a>
Built in devices for protecting the permanent way against snow or ice	<a href="#">E01B 19/00</a> , <a href="#">E01B 7/24</a>
Controlling undesirable vegetation	<a href="#">E01H 11/00</a>

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Removing snow in general	<a href="#">E01H 5/00</a>
Plasma torches	<a href="#">H05H 1/26</a>

### E01H 10/00

Improving gripping of ice-bound or other slippery traffic surfaces, e.g. using gritting or thawing materials [N: Roadside storage of gritting or solid thawing materials; Permanently installed devices for applying gritting or thawing materials; Mobile apparatus specially adapted for treating wintry roads by applying liquid, semi-liquid or granular materials] (roughening ice by means of tools [E01H5/12](#); applying de-icing agents to rails [E01H8/10](#); thawing materials [C09K3/18](#); by constructional features [E01C11/24](#); [N: apparatus for distributing granular materials for road building purposes [E01C19/20](#); treatment of dispersed oil or similar pollution on roads [E01H1/001](#) ])

### Relationship between large subject matter areas

Apparatus for spreading granular material for roads in general are classified in [E01C 19/20](#).

Apparatus specifically for treating wintry roads, like heated or wetted granular is classified in [E01H 10/00](#).

### References relevant to classification in this group

This subclass/group does not cover:

Thawing materials	<a href="#">C09K 3/18</a>
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Apparatus for distributing granular materials for road building purposes	<a href="#">E01C 19/20</a>
Improving gripping by constructional features	<a href="#">E01C 11/24</a>
Treatment of dispersed oil or similar pollution on roads	<a href="#">E01H 1/001</a>
Roughening ice by means of tools	<a href="#">E01H 5/12</a>
Applying de-icing agents to rails	<a href="#">E01H 8/10</a>

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus for distributing granular materials for road building purposes	<a href="#">E01C 19/20</a>
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### E01H 11/00

**Control of undesirable vegetation on roads [N: or similar surfaces] or permanent ways of railays, [N: e.g. devices for scorching weeds or for applying herbicides] (destruction of undesirable vegetation in general A01M7/00 to A01M15/00, A01M21/00; weeding involving working the ballast E01B27/00; [N: mowers for embankments A01D34/86; hedge shearing machines A01G3/04); Applying liquids, e.g. water, weed-killer bitumen, to permanent ways (specially to rails E01H8/10 [N: E01H8/105, E01H8/125]; for preserving sleepers E01B31/20 )**

### References relevant to classification in this group

*This subclass/group does not cover:*

Destruction of undesirable vegetation in general	<a href="#">A01M 7/00</a> to <a href="#">A01M 15/00</a> , <a href="#">A01M 21/00</a>
Weeding involving working the ballast	<a href="#">E01B 27/00</a>
Mowers for embankments	<a href="#">A01D 34/86</a>

Applying liquids specially to rails	<a href="#">E01H 8/10</a>
Preserving sleepers	<a href="#">E01B 31/20</a>

## E01H 12/00

### Cleaning beaches [N: or sandboxes]

#### References relevant to classification in this group

*This subclass/group does not cover:*

Oil removal from roads	<a href="#">E01H 1/001</a>
Removing oil from open water	<a href="#">E02B 15/04</a>

## E01H 13/00

Dispersing [N: or preventing] fog in general, e.g. on roads, on airfields [N: (condensing atmospheric humidity in general A01G15/00; obtaining drinking water from atmospheric humidity E03B3/28; heating or blowing devices for keeping roads or the like free from snow or ice E01C11/26)]

#### Definition statement

*This subclass/group covers:*

Removing or preventing fog.

#### References relevant to classification in this group

*This subclass/group does not cover:*

Condensing atmospheric humidity in general	<a href="#">A01G 15/00</a>
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#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Heating or blowing devices for keeping roads or the like free from snow or ice	<a href="#">E01C 11/26</a>
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Obtaining drinking water from atmospheric humidity	<a href="#">E03B 3/28</a>
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## **E01H 15/00**

**Removing undesirable matter, e.g. rubbish, from the land, not otherwise provided for (gatherers for removing stones, roots or the like from the soil A01B43/00 )**

### **References relevant to classification in this group**

*This subclass/group does not cover:*

Gatherers for removing stones, roots or the like from the soil	<a href="#">A01B 43/00</a>
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### **Special rules of classification within this group**

Not used