

E 02 B HYDRAULIC ENGINEERING (ship-lifting E 02 C; dredging E 02 F)

Subclass Index

METHODS AND EQUIPMENT IN GENERAL.....	1/00, 3/00
ARTIFICIAL WATER CANALS.....	5/00
BARRAGES OR WEIRS.....	7/00, 8/00
WATER-POWER PLANTS.....	9/00

DRAINAGE; IRRIGATION; CLEANING OF SURFACE OF OPEN WATER.....	11/00; 13/00; 15/00
ARTIFICIAL ISLANDS MOUNTED ON PILES OR LIKE SUPPORTS.....	17/00

1/00	Equipment or apparatus for, or methods of, general hydraulic engineering	7/10 Gravity dams, i.e. those in which the weight of the structure prevents overturning
1/02	. Hydraulic models	7/12 Arch dams
3/00	Engineering work in connection with control or use of streams, rivers, coasts, or other marine sites (barrages or weirs 7/00); Sealings or joints for engineering work in general	7/14 Buttress dams
3/02	. Stream regulation, e.g. breaking up subaqueous rock, cleaning the beds of waterways, directing the water flow (dredging or scraping devices E 02 F)	7/16	. Fixed weirs; Superstructures or flash-boards therefor
3/04	. Structures or apparatus for, or methods of, protecting banks, coasts, or harbours (sealings or joints 3/16)	7/18	. . Siphon weirs
3/06	. . Moles; Piers; Quays; Quay walls; Groynes; Breakwaters	7/20	. Movable barrages; Lock gates
3/08	. . . Structures of loose stones with or without piles (piles E 02 D 5/00)	7/22	. . Stop log dams; Emergency gates
3/10	. . Dams; Dykes; Sluice ways or other structures for dykes, dams, or the like (making embankments or dams in general E 02 D 17/18)	7/24	. . Needle weirs
3/12	. . Revetment of banks, dams, watercourses, or the like (of slopes in general E 02 D 17/20)	7/26	. . Vertical-lift gates
3/14	. . . Preformed blocks; Arrangements thereof	7/28	. . . with sliding gates
3/16	. Sealings or joints (joints for foundation structures E 02 D 29/16; sealing joints not restricted to hydraulic engineering work E 04 B 1/68)	7/30	. . . with guide wheels or rollers for the gates
3/18	. Reclamation of land from water (drainage of soil 11/00)	7/32	. . . Cylindrical or tubular gates
3/20	. Equipment for shipping on coasts, in harbours or on other fixed marine structures, e.g. bollards (tying-up, anchoring B 63 B 21/00, e.g. bollards for shipping 21/06; buoys B 63 B 22/00) [5]	7/34	. . . Flash-boards for vertical-lift gates
3/24	. . Mooring posts [5]	7/36	. . . Elevating mechanisms for vertical-lift gates
3/26	. . Fenders (fenders integral with waterborne vessels or specially adapted therefor B 63 B 59/02) [5]	7/38	. . Rolling gates
3/28	. . Fender piles [5]	7/40	. . Swinging or turning gates
5/00	Artificial water canals (for water-power plants 9/02; irrigation of soil 13/00)	7/42	. . . Gates of segmental or sector-like shape with horizontal axis
5/02	. Making or lining canals	7/44	. . . Hinged-leaf gates
5/04	. Navigable canals	7/46	. . . Gates turning round a horizontal axis arranged midway of the flap
5/06	. . Operating equipment in connection with canals (ship-lifting devices E 02 C)	7/48	. . . Roof or double shutter gates
5/08	. Details, e.g. gates, screens	7/50	. . Floating gates
7/00	Barrages or weirs; Layout, construction, methods of, or devices for, making same (for protecting banks, coasts, or harbours 3/04; sealings or joints 3/16; handling building or like materials for hydraulic engineering E 02 D 15/00; foundations in general E 02 D 27/00)	7/52	. . Equipment preventing vibration of gates
7/02	. Fixed barrages	7/54	. . Sealings for gates
7/04	. . Dams across valleys	8/00	Details of barrages or weirs (cleaning or keeping clear the surface of open water 15/00)
7/06	. . . Earth-fill dams; Rock-fill dams	8/02	. Sediment base gates; Sand sluices; Structures for arresting waterborne material
7/08	. . . Wall dams	8/04	. Valves, slides, or the like; Submerged sluice gates
		8/06	. Spillways; Devices for dissipation of energy, e.g. for reducing eddies
		8/08	. Fish passes; Passages for rafts or boats
		9/00	Water-power plants; Layout, construction or equipment, methods of, or apparatus for, making same (hydraulic motors F 03 B)
		9/02	. Water-ways
		9/04	. . Free-flow canals or flumes; Intakes (gratings or screens therefor 5/08)
		9/06	. . Pressure galleries or pressure conduits; Galleries specially adapted to house pressure conduits; Means specially adapted for use therewith, e.g. housings, valves, gates (driving inclined galleries E 21 D 9/02; valves in general F 16 K; conduits in general F 16 L) [6]
		9/08	. Tide or wave power plants (water-pressure machines, tide or wave motors F 03 B)

E 02 B

- 11/00 Drainage of soil, e.g. for agricultural purposes**
11/02 . Drainage-device-laying apparatus, e.g. drainage ploughs
- 13/00 Irrigation ditches, i.e. gravity flow, open channel water distribution systems** (other distribution systems for watering or spraying gardens, fields, sports grounds, or the like [A 01 G 25/00](#)) [2]
13/02 . Closures for irrigation conduits
- 15/00 Cleaning or keeping clear the surface of open water; Apparatus therefor** (construction of ships or other waterborne vessels [B 63 B](#), e.g. vessels specially adapted for collecting pollution from open water [35/32](#); in swimming or splash baths or pools [E 04 H 4/16](#)) [5]
15/02 . from ice [5]
15/04 . Devices for cleaning or keeping clear the surface of open water from oil or like floating materials by separating or removing these materials (other treatment of water, waste water or sewage [C 02 F](#); materials for treating liquid pollutants, e.g. oil, gasoline, fat, [C 09 K 3/32](#))
15/06 . . Barriers therefor ([15/08](#) takes precedence) [5]
- 15/08 . . Devices for reducing the polluted area without removing the material [5]
15/10 . . Devices for removing the material from the surface [5]
- 17/00 Artificial islands mounted on piles or like supports, e.g. platforms on raisable legs; Construction methods therefor** (fenders [3/26](#); anchoring floating platforms [B 63 B 21/00](#); floating platforms, e.g. anchored, [B 63 B 35/44](#); independent underwater structures [E 02 D 29/00](#)) [5]
17/02 . placed by lowering the supporting construction to the bottom, e.g. with subsequent fixing thereto
17/04 . Equipment specially adapted for raising, lowering, or immobilising the working platform relative to the supporting construction (platform lifts in general [B 66 F 7/00](#))
17/06 . . for immobilising, e.g. using wedges or clamping rings
17/08 . . for raising or lowering
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