

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Labor Department; definitions regarding | 33 | 902 | 62 |
| Lakes, bays, and sounds; able seamen on vessels navigating | 46 | 672(a) | 138 |
| Studies and investigations by | 33 | 941(b) | 62 |
| Lantern; displayed as stern light | 33 | 1070 | 40 |
| Displayed by rowing boat at night | 33 | 1067(b) | 37 |
| Motorboat to carry and display to prevent collision | 46 | 526b(c) | 66 |
| Showing red and green, displayed as sidelight | 33 | 1067 | 37 |
| Launches, fuel for | 46 | 170a | 97 |
| Law enforcement; Coast Guard officials | 14 | 89 | 50 |
| Under Federal Boating Act | 46 | 527b | 75 |
| Laws governing marine inspection | 46 | 492 | 23 |
| Lemon or lime juice, rations of | 46 | 666 | 195 |
| Letters USCG, etc., unauthorized use, penalty | 14 | 639 | 54 |
| Liability of owner, master, or person in charge of small passenger vessel | 46 | 390d | 116 |
| Libel for wages | 46 | 604 | 217 |
| Canalboat, exempted from | 46 | 611 | 217 |
| License and licensing; adjudications in suspension or revocation proceedings | 5 | 1004 | 10 |
| Definitions | 5 | 1001(e) | 8 |
| For barge, seagoing | 46 | 397 | 98 |
| For cargo vessels, steam | 46 | 405 | 89 |
| For small passenger vessels | 46 | 390b | 115 |
| For tank vessels | 46 | 391a | 89 |
| For towing vessels, steam | 46 | 405 | 89 |
| General | 46 | 224 | 147 |
| Seamen | 46 | 672 | 138 |
| Licensed officers; assist Coast Guard inspectors | 46 | 234 | 23, 156 |
| Certificate of competency to | 46 | 224a | 149 |
| Criminal liability, evidence of | 46 | 239(h) | 232 |
| Hawaiian vessels | 46 | 367 | 78, 227 |
| Investigation of acts in violation of law or regulation | 46 | 239(d) | 231 |
| Motorboat operators | 46 | 526f | 67 |
| Motor vessels | 46 | 367 | 78 |
| Oath of | 46 | 231 | 148 |
| On subsidized vessels | 46 | 1131(b) | 143 |
| Pilots | 46 | 214 | 159 |
| Pilots, when required | 46 | 364 | 78 |
| Professional capacity, minimums | 46 | 224a | 149 |
| Renewal of license without appearing in person | 46 | 233 | 148 |
| Replaced on foreign voyage | 46 | 221 | 144 |
| U.S. citizenship required | 46 | 672(a) | 38, 1176 |
| Licenses; alteration of penalty | 46 | 231 | 148 |
| Appeal from suspension or revocation | 46 | 239(g) | 157 |
| Applications for | 46 | 224 | 147 |
| Certificates of competency | 46 | 239b | 158 |
| Denial, narcotics violations | 46 | 225 | 147 |
| Duration of | 46 | 229 | 166 |
| Engineers | 46 | 232 | 144 |
| Exhibition of | 46 | 229f | 168 |
| Exhibition of, by radio officers | 46 | 367 | 78 |
| Hawaiian Islands, for masters and engineers | 46 | 1008 | 14 |
| Imposition of sanctions against | 5 | 237 | 155 |
| Indians | 46 | 225 | 147 |
| Limited to 5-year terms | 46 | 226 | 159 |
| Masters | | | |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Licenses—Continued | | | |
| Mates | 46 | 228 | 159 |
| Misuse of, fine | 18 | 2197 | 60 |
| Motorboat operators; carrying six passengers or less for hire | 46 | 526f | 67 |
| Officer's refusal to serve, grounds for suspension or revocation | 46 | 240 | 157 |
| Officers, required, as condition of employment | 46 | 224a(3) | 149 |
| Operators for small passenger vessels | 46 | 390b | 115 |
| Pilots | 46 | 214 | 159 |
| Radio officers | 46 | 229a | 167 |
| Records of those issued, revoked, suspended, or refused | 46 | 414 | 21 |
| Renewal of | 46 | 225 | 147 |
| Renewal of, when at distance from Coast Guard official | 46 | 233 | 148 |
| Reports regarding | 46 | 414 | 21 |
| Revocation, narcotics violations | 46 | 239b | 158 |
| Suspension or revocation of, general requirements regarding | 46 | 239(g) | 157 |
| To Indians of the Tsimpsean or Haida tribe | 46 | 237 | 155 |
| Unlawful possession and use of | 18 | 2197 | 60 |
| Lifeboat drills | 46 | 481 | 86 |
| Lifeboatman; certificate as | 46 | 672(d) | 141, 181 |
| Certificate or endorsement as, considered as one of efficiency | 46 | 672(d) | 141, 181 |
| Investigation of illegal acts by | 46 | 239(d) | 231 |
| Manning | 46 | 222 | 137 |
| Lifeboats; fuel for | 46 | 170a | 97 |
| Number, type, size, capacity, operation, stowage, etc | 46 | 481 | 86 |
| Life preservers; motorboats to carry | 46 | 526e | 66 |
| Number, type, size, stowage, etc | 46 | 481 | 86 |
| Required on vessels carrying persons not passengers | 46 | 459 | 102 |
| Life, safety of, primary duties | 14 | 2 | 4 |
| Lifesaving apparatus and equipment; approval required | 46 | 489 | 88 |
| Barge, seagoing | 46 | 397 | 98 |
| Carried on motorboats | 46 | 526e | 66 |
| Fuel, flammable or combustible, used in | 46 | 170a | 97 |
| Inspected vessels | 46 | 481 | 86 |
| Inspected vessels, delegation of functions T.D. Order 167-38 | | | |
| Inspection by Coast Guard | 46 | 362 | 77 |
| Passenger vessels engaged in excursions | 46 | 453 | 101 |
| Regulations concerning | 46 | 481 | 86 |
| Tank vessels | 46 | 391a(2) | 90 |
| Light, air, and accommodations for steerage passengers | 46 | 153 | 121 |
| Lighthouse service, unauthorized use of, penalty | 14 | 639 | 54 |
| Lights and shapes, anchor lights | 33 | 1071 | 40 |
| Fishing vessels | 33 | 1069 | 39 |
| International rules | 33 | 1062 | 33 |
| Motorboats | 33 | 1067 | 37 |
| Motorboats, inland waters | 46 | 526b | 65 |
| Pilot vessels | 33 | 1068 | 38 |
| Sailing vessels underway | 33 | 1065 | 36 |
| Stern light requirements | 33 | 1070 | 40 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Lights and shapes—Continued | | | |
| Vessels engaged in minesweeping operations | 33 | 1064 | 35 |
| Vessels handling submarine cable or navigation mark | 33 | 1064 | 35 |
| Vessels not under command | 43 | 1064 | 35 |
| Vessels proceeding under both sail and machinery | 33 | 1074 | 42 |
| Vessels towing or pushing | 33 | 1063 | 35 |
| Vessels underway | 33 | 1062 | 32 |
| Lights for Navy and Coast Guard vessels; international rules, 1951 act | 33 | 143a | 25 |
| International rules, 1963 act | 33 | 1052 | 26 |
| Lights for rafts and other craft; Great Lakes | 33 | 259 | 29 |
| Inland waters | 33 | 178(d) | 28 |
| St. Lawrence River | 33 | 256 | 29 |
| Western rivers | 33 | 316(b) | 30 |
| Lights for seaplanes | 33 | 1061 | 32 |
| Lights for vessels; international rules, 1960 | 33 | 1061 | 32 |
| Lights, signals, and other appliances for vessels operating under or near bridges | 33 | 157a | 28 |
| Liquid cargoes; bulk, as dangerous cargo | 46 | 170(1) | 92 |
| Bulk, handling of | 46 | 391a(2) | 90 |
| Bulk, shipping papers describing | 46 | 391a(5) | 91 |
| Bulk, stowage of | 46 | 391a(2) | 90 |
| Bulk, tankerman handling | 46 | 391a(6) | 91 |
| Regulations governing handling of | 46 | 391a(2) | 90 |
| List of merchant vessels | 46 | 4 | 21 |
| Lists, crew | 46 | 674 | 205 |
| Loadlines; actual line of safety | 46 | 85a | 127 |
| Actual line of safety, coastwise | 46 | 88a | 132 |
| American Bureau of Shipping | 46 | 85b | 127 |
| American Bureau of Shipping, coastwise | 46 | 88b | 132 |
| Certificates | 46 | 85b | 127 |
| Certificates, coastwise | 46 | 88b | 132 |
| Coastwise Act | 46 | 88 | 132 |
| Detention of vessel for violations of Load Line act | 46 | 85f | 129 |
| Detention of vessels on coastwise voyages | 46 | 88f | 134 |
| Determinations | 46 | 85a | 127 |
| Determinations, coastwise vessels | 46 | 88a | 132 |
| Foreign countries | 46 | 85d | 128 |
| For coastwise vessels | 46 | 88 | 132 |
| Foreign vessels, coastwise trade | 46 | 88d | 133 |
| For Great Lakes | 46 | 88a | 132 |
| For ocean-going vessels | 46 | 85 | 127 |
| Logbook entries | 46 | 85e | 129 |
| Logbook entries, coastwise voyages | 46 | 88e | 133 |
| Marking on vessels | 46 | 85b | 127 |
| Marking on vessels, coastwise | 46 | 88b | 132 |
| Markings, coastwise | 46 | 88b | 132 |
| Marks not to be submerged when vessel is in sea water | 46 | 85c | 128 |
| Penalties for violations re | 46 | 85g | 129 |
| Local authorities foreign country, handling in subordination of seamen | 46 | 703 | 219 |
| Local regulations, Dangerous Cargo Act | 46 | 170(7) | 93 |
| Lodging; supplies and services to persons in need | 14 | 88 | 230 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Logbooks | 46 | 201 | 188 |
| Actual drafts of vessel and loadlines | 46 | 85e | 129 |
| Deceased seaman, entries about | 46 | 621 | 221 |
| Deceased seamen, wages, deductions, etc., noted in | 46 | 622 | 221 |
| Deductions from seaman's wages kept in | 46 | 672 | 138 |
| Entries about provisions or water | 46 | 662 | 193 |
| Entries required | 46 | 201 | 188 |
| Entry of offense by seaman | 46 | 702 | 190 |
| Insubordination of seamen, entries about by discharging officer | 46 | 703 | 219 |
| Mode of making entries in | 46 | 202 | 188 |
| Omitting entries, penalty | 46 | 203 | 189 |
| Longshoremen's and Harborworkers' Compensation | | | |
| Act, definitions | 33 | 902 | 62 |
| Installation of safety devices and safeguards | 33 | 941 | 62 |
| Safe place of employment | 33 | 941 | 62 |
| Safety rules and regulations | 33 | 941 | 62 |
| Lookout; duties, 1960 international rules | 33 | 1091 | 47 |
| In low visibility none below able seaman rating permitted | 46 | 672(a) | 138, 176 |
| Lookout, required by 1960 international rules | 33 | 1061(b) | 33 |
| Loss of life, marine casualty | 46 | 239(a) | 231 |
| Loss of vessel, report of probable | 33 | 362 | 229 |
| Lowest passenger deck, definition | 46 | 151 | 119 |
| Low-water alarm indicators, steam vessels | 46 | 405 | 89 |
| Machinery and equipment; boilers, unfired pressure vessels, and appurtenances | 46 | 392 | 85 |
| Cargo and miscellaneous vessels | 46 | 391 | 84 |
| Cargo steam vessels | 46 | 405 | 89 |
| Civilian nautical schoolships | 46 | 1333 | 117 |
| Electrical equipment | 46 | 392 | 85 |
| Inspections | 46 | 391 | 84 |
| Mechanically propelled vessels | 46 | 404 | 88 |
| Passenger vessels | 46 | 391 | 84 |
| Safety, approval of | 46 | 489 | 88 |
| Seagoing barges | 46 | 395 | 97 |
| Small passenger vessels | 46 | 390(b) | 114 |
| Tank vessels | 46 | 391a(2) | 90 |
| Tugboats and towing vessels | 46 | 405 | 89 |
| Vessels subject to inspection | 46 | 481 | 86 |
| Main steampiping, inspection of | 46 | 392 | 85 |
| Maintenance, firefighting and lifesaving equipment | 46 | 481 | 86 |
| Manifests; dangerous cargoes | 46 | 170(7) | 93 |
| Presented to boarding officer | 46 | 158 | 124 |
| Steerage passenger vessels | 46 | 158 | 124 |
| Manning and wage scales, Maritime Administration | 46 | 1131 | 142 |
| Manning; able seamen to have certifications of qualifications | 46 | 672(d) | 141, 181 |
| Bilge systems | 46 | 481(a) | 87 |
| Cargo vessels, steam | 46 | 405 | 89 |
| Complement of officers and crews | 46 | 222 | 137 |
| Exceptions for fishing or whaling vessels or yachts | 46 | 690 | 142, 184 |
| Exceptions for sailing vessels | 46 | 672-1 | 142 |
| Firefighting equipment | 46 | 481 | 86 |
| Lifeboatmen to have certifications of qualifications | 46 | 672(d) | 141, 181 |

| Subject | U.S. Code | | |
|---|-----------|---------|---------|
| | Title | Section | Page |
| Manning—Continued | | | |
| Life-saving equipment | 46 | 481 | 86 |
| Number of radio officers | 46 | 229h | 169 |
| Radio officers required | 46 | 229b | 167 |
| Small passenger vessels | 46 | 390b | 115 |
| Subsidized vessels during emergency | 46 | 1132(h) | 59 |
| Tank vessels | 46 | 391a(2) | 90 |
| Towing vessels, steam | 46 | 405 | 89 |
| Waivers of compliance by President for acquired foreign vessels | 50 | 198 | 80 |
| Manufacturer; name and information on boiler-plates, counterfeiting | 46 | 410 | 113 |
| Stamping name and information on boiler-plates required | 46 | 409 | 112 |
| Marine casualties | | | |
| Assistance required to be rendered by motor-boat | 46 | 526L | 68, 227 |
| Assistance required to be rendered by vessel | 33 | 367 | 227 |
| Barges, reports regarding | 33 | 365 | 229 |
| Classification | 46 | 239(b) | 231 |
| Coast Guard aid and assistance | 14 | 88 | 230 |
| Evidence of criminal liability turned over to Justice Department | 46 | 239(h) | 232 |
| Exchange of information between motorboats and vessels | 46 | 526L | 68, 227 |
| Exchange of information between vessels required | 33 | 367 | 227 |
| Involving loss of life | 46 | 239(a) | 231 |
| Involving loss of life, recreational boating | 46 | 526L | 68, 227 |
| Other than one involving loss of life | 46 | 239(b) | 231 |
| Regulations governing investigations | 46 | 239(j) | 233 |
| Rendering assistance, penalty for failure | 33 | 368 | 227 |
| Reports transmitted to Commandant, U.S. Coast Guard | 33 | 363 | 229 |
| Reports under Motorboat Act | 46 | 526L | 68, 227 |
| Statements about entered in logbook | 46 | 201 | 188 |
| Marine documents; certificate of number | 46 | 527a | 71 |
| Marine engineering; appurtenances to boilers, etc. | 46 | 411 | 111 |
| Boilerplate | 46 | 408 | 112 |
| Boilerplate, maximum thickness | 46 | 412 | 112 |
| Boilerplates, stamping required on | 46 | 409 | 112 |
| Boilers; design, material and construction | 46 | 411 | 111 |
| Cargo and miscellaneous vessels | 46 | 392 | 85 |
| Civilian nautical schoolships | 46 | 1333 | 117 |
| Construction of boilers and unfired pressure vessels, materials required | 46 | 406 | 111 |
| Control of safety valves and steam gages | 46 | 393 | 113 |
| Counterfeiting stamps, punishment | 46 | 410 | 113 |
| Factor of safety of four for boilers, etc. | 46 | 411 | 111 |
| Factory inspections | 46 | 408 | 112 |
| Fittings, maximum allowable working pressures | 46 | 411 | 111 |
| Formulas authorized | 46 | 411 | 111 |
| Improper construction of boilers, steampiping, or unfired pressure vessels; punishment for | 46 | 407 | 111 |
| Inspection of boilers, unfired pressure vessels, appurtenances, machinery, and electrical equipment | 46 | 392 | 85 |
| Iron or steel for boilers or unfired pressure vessels | 46 | 406 | 111 |

| Subject | U.S. Code | | |
|--|-----------|---------|------|
| | Title | Section | Page |
| Marine engineering—Continued | | | |
| Maximum work pressure formulas for boilers, etc | 46 | 411 | 111 |
| Mechanically propelled seagoing vessels | 46 | 367 | 78 |
| Mechanically propelled vessels | 46 | 404 | 88 |
| Obstructing safety valves | 46 | 413 | 113 |
| Passenger vessels | 46 | 392 | 85 |
| Small passenger vessels | 46 | 390b | 115 |
| Regulations authorized | 46 | 411 | 111 |
| Steampiping | 46 | 411 | 111 |
| Unfired pressure vessels; design, materials, and construction | 46 | 411 | 111 |
| Valves, maximum allowable working pressure | 46 | 411 | 111 |
| Welding methods | 46 | 407 | 111 |
| Maritime Administration; civilian nautical schools | 46 | 1332 | 117 |
| Foreign vessels acquired by | 50 | 198 | 80 |
| Manning and wage scales | 46 | 1131 | 142 |
| Vessels subject to inspection | 46 | 363 | 78 |
| Maritime navigation; meaning of | | | 155 |
| Marking and labeling of dangerous cargo | 46 | 170 | 92 |
| Marking loadlines on oceangoing vessels | 46 | 85b | 127 |
| Marking loadlines on coastwise and Great Lakes vessels | 46 | 88b | 132 |
| Marriages aboard vessels; logbook entries about | 46 | 201 | 188 |
| Master; acting as a pilot | 46 | 230 | 160 |
| Barges over 100 gross tons carrying passengers, licensing and classifying for | 46 | 224 | 147 |
| Casualties, logbook entries about, by | 46 | 201 | 188 |
| Citizenship of | 46 | 221 | 145 |
| Color blindness, examination | 46 | 225 | 147 |
| Collision between two vessels, duties of | 33 | 367 | 227 |
| Crew list, under his oath, delivered to collector of customs | 46 | 674 | 205 |
| Crews, signing on or discharging of, by | 46 | 643L | 175 |
| Deceased seaman, responsible for effects of | 46 | 621 | 221 |
| Deceased seamen within the United States, duties and responsibilities regarding effects, etc | | | |
| Definition, for manning | 46 | 625 | 223 |
| Deserting seamen, forfeitures turned over to shipping commissioner | 46 | 713 | 147 |
| Destitute seamen, passage accepted when requested by consul | 46 | 706 | 224 |
| Discharge of seamen by | 46 | 679 | 197 |
| Discipline of steerage passengers by | 46 | 641 | 207 |
| Duties regarding unseaworthy vessel | 46 | 156 | 123 |
| Entries in logbooks to be made by as witnessed | 46 | 653 | 191 |
| Exhibition of license | 46 | 202 | 188 |
| Failure to give assistance, information, etc., in marine casualty, penalty | 33 | 368 | 227 |
| Great Lakes, licensed as pilots | 46 | 216(c) | 163 |
| Indians licensed as | 46 | 237 | 155 |
| Liability in cases of corporal punishment | 46 | 712 | 61 |
| Liability of, to passengers for damages | 46 | 491 | 109 |
| License as | 46 | 226 | 159 |
| License deemed to be a certificate of competency | 46 | 224a | 149 |
| License, endorsed as pilot | 46 | 230 | 160 |
| License, grounds for suspension or revocation | 46 | 226 | 159 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Master—Continued | | | |
| License, validity limited to 5 years | 46 | 226 | 159 |
| Licensing and classifying of | 46 | 224 | 147 |
| Logbook entries by | 46 | 201 | 188 |
| Maintain records as to seamen's wages | 46 | 642 | 208 |
| Mechanically propelled vessels in Hawaii | 46 | 367 | 78 |
| Misuse of license as | 18 | 2197 | 60 |
| Mutual release of claims for wages signed by | 46 | 644 | 210 |
| Neglecting to provide sufficient ship's stores | 46 | 661 | 193 |
| Neglect of duty by | 18 | 2196 | 156 |
| Neglect of master to take charge of effects of deceased seaman, penalty | 46 | 623 | 222 |
| Oath to faithfully perform duties as | 46 | 231 | 148 |
| Performance of shipping commissioner duties authorized | 46 | 643(k) | 175 |
| Performing duties of shipping commissioner | 46 | 546 | 204 |
| Permission regarding complaint about food or water | 46 | 664 | 194 |
| Professional capacity of | 46 | 224a | 149 |
| Refusal to pay wages and charges | 46 | 660 | 193 |
| Refusal to serve under license, grounds for suspension or revocation | 46 | 240 | 157 |
| Regulations regarding conduct of seamen, etc., in shipping articles | 46 | 564 | 199 |
| Removal by owners | 46 | 227 | 144 |
| Required for inspected vessels | 46 | 223 | 137 |
| Required to post shipping agreement | 46 | 577 | 203 |
| Report of marine casualty by | 33 | 361 | 228 |
| Reports regarding steerage passengers | 46 | 158 | 124 |
| Sail vessels over 700 gross tons, licensing and classifying for | 46 | 224 | 147 |
| Seagoing mechanically propelled vessels | 46 | 367 | 78 |
| Seamen's wages, on justifiable complaint in foreign port | 46 | 685 | 219 |
| Seaman's wages paid when discharged before consul | 46 | 682 | 218 |
| Shipping articles by, vessels in coasting trade | 46 | 574 | 202 |
| Shipping articles signed by | 46 | 564 | 199 |
| Steam vessels, licensing and classifying for | 46 | 224 | 147 |
| Suspension or revocation for use of unlawful length of towline | 33 | 153 | 98 |
| Wages, seaman, appropriation of, for court costs | 46 | 707 | 218 |
| When not a passenger | 46 | 390(a) | 114 |
| Masthead light | 33 | 1062 | 33 |
| Mate; acting as a pilot | 46 | 230 | 160 |
| Citizenship required | 46 | 221 | 145 |
| Classification of in licensing | 46 | 228 | 159 |
| Color blindness examination | 46 | 225 | 147 |
| Exhibition of license | 46 | 232 | 144 |
| Indians licensed as | 46 | 237 | 155 |
| Inland | 46 | 228 | 159 |
| Liability of, to passengers for damages | 46 | 491 | 109 |
| License as | 46 | 228 | 159 |
| License deemed to be a certificate of proficiency | 46 | 224a | 149 |
| License endorsed as pilot | 46 | 230 | 160 |
| License, grounds for suspension or revocation | 46 | 228 | 159 |
| License, validity limited to 5 years | 46 | 228 | 159 |
| Licensing and classifying of | 46 | 224 | 147 |
| Misuse of license as | 18 | 2197 | 60 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Mate—Continued | | | |
| Oath to faithfully perform duties as | 46 | 231 | 148 |
| Ocean or coastwise | 46 | 228 | 159 |
| Professional capacity of | 46 | 224a | 149 |
| Refusal to serve under license, grounds for suspension or revocation | 46 | 240 | 157 |
| Seagoing mechanically propelled vessels | 46 | 367 | 78 |
| Steam vessels licensing and classifying for | 46 | 224 | 147 |
| Vessels of limited tonnages | 46 | 223 | 137 |
| Materials; boilers, unfired pressure vessels, appurtenances, and steampiping | 46 | 411 | 111 |
| Inspection of | 46 | 392 | 85 |
| Specifications for boilerplate | 46 | 408 | 112 |
| Small passenger vessels | 46 | 390b | 115 |
| Tank vessels | 46 | 391a | 89 |
| Tested, inspected and stamped by Coast Guard | 46 | 407 | 111 |
| Welding methods | 46 | 407 | 111 |
| Measures and weights | 46 | 668 | 195 |
| Medical division on passenger vessels | 46 | 242 | 170 |
| Medicines | 46 | 666 | 195 |
| For steerage passengers | 46 | 155 | 123 |
| Supplies and services to persons in need | 14 | 88 | 230 |
| Members of engine department, manning | 46 | 672(e) | 139, 182 |
| Qualified | 46 | 672(e) | 139, 192 |
| Merchant marine; administration of, by Commandant | 46 | 2 | 20 |
| Coast Guard field office addresses | | | C210 |
| Merchant Mariner's document; able seamen | 46 | 672(b) | 177 |
| Able seamen, manning | 46 | 672(a) | 138, 176 |
| As certificates of identification | 46 | 643 | 173 |
| As certificates of service | 46 | 672 | 138 |
| Denial, narcotics violations | 46 | 239b | 158 |
| Investigation of illegal acts while serving under | 46 | 239(d) | 231 |
| Lifeboatman | 46 | 672(d) | 141, 181 |
| Qualified member of engine department | 46 | 672(e) | 139, 182 |
| Revocation, narcotics violations | 46 | 239b | 158 |
| Suspension and revocation of, authorized | 46 | 672(h) | 183 |
| Suspension or revocation of, general requirements | 46 | 239(g) | 157 |
| Tankerman | 46 | 391a(6) | 91 |
| Merchant seamen | 46 | 643 | 173 |
| Coast Guard official prohibited from charging for certain services | 46 | 542a | 24 |
| Cruelty to, prohibited | 18 | 2191 | 61 |
| Customs officials serving as shipping commissioner | 46 | 543 | 24 |
| Freedom unimpaired | 46 | 672(k) | 183 |
| General superintendence by Commandant | 46 | 2 | 20 |
| Merchant vessels; acquisition of foreign vessels | 50 | 198 | 80 |
| Coastwise loadlines | 46 | 88 | 132 |
| Complement of officers and crew | 46 | 222 | 137 |
| Detention if in violation of Coastwise Load Line Act | 46 | 88f | 134 |
| Detention if in violation of Load Line Act | 46 | 85f | 129 |
| Loadlines | 46 | 85 | 127 |
| Minimum number of officers | 46 | 223 | 137 |
| Requirements, qualifications, and regulations as to crews | 46 | 672 | 138 |
| When being towed with no cargo, no loadlines required | 46 | 85(c) | 128 |

| Subject | U.S. Code | | |
|--|-----------|----------|---------|
| | Title | Section | Page |
| Military explosives, transportation of | 46 | 170(7) | 93 |
| Military service, Coast Guard, status as | 14 | 1 | 4 |
| Military vessels, lights, and shapes displayed by | 33 | 1073 | 41 |
| Mill inspections, boilerplates | 46 | 408 | 112 |
| Minesweeper, lights and shapes for | 33 | 1064(d) | 36 |
| Minimum Age (Sea) Convention, 1936 | | | 185 |
| Reservations by the U.S. Government | | | 187 |
| Misconduct of officer or seaman, investigation of | 46 | 239(b) | 231 |
| Mississippi River; crew accommodations in steam-boats on | 46 | 660-1 | 102 |
| Pilot rules applicable to | 33 | 301 | 30 |
| Misuse of Federal certificate, license or document, fine | 18 | 2197 | 60 |
| Mitigation or remission of penalties; authorized | 46 | 7 | 53 |
| Carrying too many passengers | 46 | 882 | 107 |
| Federal Boating Act | 46 | 527e | 74 |
| Loadlines | 46 | 85g | 129 |
| Loadlines, Coastwise Act | 46 | 85g | 129 |
| Officer's Competency Certificates Convention, 1936 | | | |
| Enabling Act | 46 | 224a(10) | 151 |
| Refunding penalties | 46 | 8 | 53 |
| Mode of making entries in logbooks | 46 | 202 | 188 |
| Morse code distress signals | 33 | 1093 | 47 |
| Motorboat; accident assistance by operator of | 46 | 526L | 68, 227 |
| Act of 1940 | 46 | 526 | 65 |
| Act of 1940, delegation of functions, T.D. Order | | | 75 |
| Application of other laws to | 46 | 526q | 70 |
| Application of act to vessel | 46 | 526u | 70 |
| Backfire traps | 46 | 526i | 68 |
| Bells | 46 | 526d | 66 |
| Boarding by Coast Guard officers | 46 | 527c | 73 |
| Carburetor flame arresters | 46 | 526i | 68 |
| Carrying copies of pilot rules not required | 46 | 526k | 68 |
| Carrying six or less passengers for hire | 46 | 526f | 67 |
| Casualties involving | 46 | 526L | 68, 227 |
| Casualty report | 46 | 526L | 68, 227 |
| Classification of | 46 | 526a | 65 |
| Combined lantern for | 46 | 526b | 65 |
| Definitions in act | 46 | 526 | 65 |
| Exemption of racing outboard motorboats from act | 46 | 526h | 68 |
| Fire extinguishers | 46 | 526g | 67 |
| Fuel for | 46 | 170a | 97 |
| Indian ownership of | 46 | 237 | 155 |
| Life preservers, etc. | 46 | 526e | 66 |
| Lights for | 46 | 526b | 65 |
| Lights under 1948 international rules | 46 | 526b(f) | 66 |
| Lights under 1960 international rules | 33 | 1087 | 37 |
| Lights when propelled by sail and machinery | 46 | 526b(e) | 66 |
| Lights when operation as sail vessels | 46 | 526b(c) | 66 |
| Minimum number of officers not applicable to | 46 | 223 | 137 |
| Not to hamper vessels in narrow channels | 33 | 1087(c) | 46 |
| Open construction, ventilation of | 46 | 526(j) | 68 |
| Operators' licenses | 46 | 526f | 67 |
| Penalties for violations of act | 46 | 526o | 69 |
| Reckless or negligent operation | 46 | 526L | 68, 227 |
| Reckless or negligent operation; prohibition, fine | 46 | 526m | 69, 228 |
| Regulations to carry out act in most effective manner | 46 | 526p | 70 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Motorboat—Continued | | | |
| Small craft carrying passengers for hire, operators' licenses | 46 | 526f | 67 |
| Sound signals by | 33 | 1076 | 42 |
| Towing or pushing other vessels, lights for | 33 | 1067(b) | 37 |
| Ventilation of engine and fuel compartment bilges | 46 | 526j | 68 |
| Violations, general | 46 | 526o | 69 |
| Whistles or other sound-producing appliances | 46 | 526c | 66 |
| Motor lifeboat, fuel for | 46 | 170a | 97 |
| Motor vehicles, transportation of | 46 | 170(16) | 96 |
| Municipal governments, not to impede pilots licensed by Federal Government | 46 | 215 | 160 |
| Municipal ordinances or regulations re dangerous cargoes | 46 | 170 | 92 |
| Municipal regulation of pilots; prohibited on Great Lakes | 46 | 216g | 164 |
| Muster lists required as lifesaving and firefighting precautions | 46 | 481 | 86 |
| Muster of crew; by boarding officer | 46 | 677 | 207 |
| On information | 46 | 672(d) | 141, 181 |
| Mutual release of claims for wages | 46 | 644 | 210 |
| Name and home port, exhibited on stern | 46 | 46 | 82 |
| Name of vessel, exhibited on pilothouse | 46 | 493 | 82 |
| Narcotic drug; definition | 46 | 239a | 158 |
| Violations; denial or revocation of seamen's documents | 46 | 239b | 158 |
| Narrow channels (motorboats); power-driven vessel of less than 65 feet not to hamper vessels in | 33 | 1087(c) | 46 |
| Sailing vessels not to hamper power-driven vessels in | 33 | 1082(b) | 45 |
| National defense; emergency foreign vessel acquisition | 50 | 198 | 80 |
| Waivers of laws in interest of | 46 | prec. 1 | 58 |
| Nationality of crews | 46 | 672a | 145 |
| Officers | 46 | 221 | 145 |
| Naturalized officers | 46 | 221 | 145 |
| Subsidized vessels | 46 | 1132(a) | 145 |
| Vessels of the United States | 46 | 672a | 145 |
| Nautical schoolship; civilian | 46 | 1333 | 117 |
| Graduates as able seamen | 46 | 672(a) | 138 |
| Graduates as qualified members of engine department | 46 | 672(e) | 139, 182 |
| Naval Reserve, U.S.; members may wear uniforms | 46 | 1131(b) | 143 |
| Members registered as staff officers | 46 | 245 | 171 |
| Officers of subsidized vessels, members in | 46 | 1132(g) | 138 |
| Naval vessels, safety of | 14 | 91 | 51 |
| Navigable waters of the United States; Federal Boating Act applicable to | 46 | 527a | 71 |
| Irondequoit Bay, N.Y. | 46 | 365 | 81 |
| Motorboat Act applicable to | 46 | 526u | 70 |
| Numbering undocumented vessels on | 46 | 527a | 71 |
| Navigation; aids to | 14 | 2 | 4 |
| Navigation in restricted visibility use of radar | 33 | 1094 | 48 |
| Navigation laws; enforcement by Treasury Department officers | 19 | 1581 | 52 |
| Penalties remitted or mitigated | 46 | 7 | 53 |
| Refunding penalties | 6 | 8 | 53 |
| Reports on | 46 | 4 | 21 |
| Vessels subject to | 46 | 364 | 78 |

| Subject | U.S. Code | | |
|--|-----------|---------|---------|
| | Title | Section | Page |
| Navy, Coast Guard as a service in | 14 | 1-3 | 4, 5 |
| Navy vessels, as civilian nautical schoolships | 46 | 1334 | 118 |
| Exemptions regarding lights for, 1951 act | 33 | 143a | 25 |
| Lights and shapes; exemptions from 1960 international rules | 33 | 1073 | 41 |
| Lights for | 33 | 1052 | 26 |
| Lights for, exemptions | 33 | 356 | 31 |
| Safety in territorial waters, Coast Guard control over vessels | 14 | 91 | 51 |
| Neglect of duty or drunkenness by seamen | 18 | 2196 | 156 |
| Neglect to provide sufficient stores | 46 | 661 | 193 |
| Negligent operation of a motorboat or a vessel, penalty | 46 | 526m | 69, 228 |
| Negligent or reckless operation of vessels | 46 | 526L | 68, 227 |
| Nitroglycerin, liquid, transportation of | 46 | 170 | 92 |
| Notice of repairs, inspected vessels | 46 | 435 | 100 |
| Notice of proposed regulations; Administrative Procedure Act | 5 | 1003(a) | 10 |
| Dangerous cargoes | 46 | 170(9) | 95 |
| Inland pilot rules | 33 | 157 | 172 |
| Published in Federal Register | 5 | 1003(a) | 10 |
| Tank vessels | 46 | 391a(3) | 90 |
| Western rivers pilot rules | 33 | 353 | 31 |
| Notices; time, place, and subject of investigations | 46 | 239(g) | 157 |
| To mariners; lights for Navy or Coast Guard vessels | 33 | 360a | 32 |
| Notice of transfer of interest; destruction or abandonment of undocumented vessel; or change of address of owner | 46 | 527b | 73 |
| Number; assigned undocumented vessel, displayed on bows | 46 | 527a(e) | 71 |
| Certificate of | 46 | 527a(c) | 71 |
| For documented vessels | 46 | 45 | 83 |
| For undocumented vessels | 46 | 527a(o) | 71 |
| Nurses, certificates of registry for | 42 | 242 | 170 |
| Oaths; licensed officer | 46 | 231 | 148 |
| Radio officer, to perform duties | 46 | 229e | 168 |
| Seamen, to perform duties | 46 | 672(g) | 182 |
| Staff officers, to perform assigned duties | 46 | 244 | 171 |
| Witnesses in investigations, casualty cases, etc | 46 | 239(e) | 232 |
| Obstructing safety valves prohibited | 46 | 413 | 113 |
| Offenses; by seamen, penalties | 46 | 701 | 189 |
| Entry in logbook about | 46 | 702 | 90 |
| Regarding artificial islands and fixed structures | 43 | 1333(e) | 56 |
| Officer in charge, marine inspection, addresses of | | C210 | |
| Officers and crews; cargo vessels, steam | 46 | 405 | 89 |
| Complement of, for manning | 46 | 222 | 137 |
| Laws relating to, waived by President for foreign vessels acquired | 50 | 198 | 80 |
| Seagoing motor vessels | 46 | 367 | 78 |
| Tank vessels | 46 | 391a(2) | 90 |
| Towing vessels, steam | 46 | 405 | 89 |
| Visiting parts of vessels occupied by passengers | 46 | 157 | 124 |
| Officer Competency Certificates Convention, 1936 (ILO No. 53) | | | 151 |
| Enabling Act | 46 | 224a | 149 |
| Reservations by the United States | | | 155 |
| Officers' liability for damages to passengers | 46 | 491 | 109 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Officers of merchant vessels; alteration of license by | 46 | 231 | 148 |
| Appearing in person to renew licenses | 46 | 225 | 147 |
| Assistance to Coast Guard inspectors by | 46 | 234 | 156 |
| Citizenship required | 46 | 221 | 145 |
| Complement of | 46 | 221 | 145 |
| Definition | 46 | 221 | 145 |
| Engineers included | 46 | 221 | 145 |
| Engineers, inspected vessels | 46 | 229 | 168 |
| Engineers, uninspected vessels | 46 | 224a | 149 |
| Exhibition of license | 46 | 232 | 144 |
| Indians as | 46 | 237 | 155 |
| Investigation of acts of incompetency or misconduct by | 46 | 239(b) | 231 |
| Licensed, replacement of, on foreign voyage | 46 | 221 | 144 |
| Licenses limited to 5-year terms | 46 | 225 | 147 |
| Licensing and classifying of, general | 46 | 224 | 147 |
| Master, inspected vessel | 46 | 226 | 159 |
| Master, license endorsed as pilot | 46 | 230 | 160 |
| Master, uninspected vessel | 46 | 224a | 149 |
| Mate, inspected vessels | 46 | 228 | 159 |
| Mate, license endorsed as pilot | 46 | 230 | 160 |
| Mate, uninspected vessel | 46 | 224a | 149 |
| Minimum number of officers required | 46 | 223 | 137 |
| Misuse of licenses by | 18 | 2197 | 60 |
| Narcotic drug law violations, denial or revocation of licenses for | 46 | 239(a) | 158 |
| Naval reservists | 46 | 1332(g) | 138 |
| Naval Reserve, U.S. members may wear uniforms | 46 | 1131(b) | 143 |
| Neglect of duty by | 18 | 2196 | 156 |
| Number endorsed on certificate of inspection | 46 | 222 | 137 |
| Oaths of | 46 | 231 | 148 |
| Orders by, to be in language understood by crew members | 46 | 672(a) | 138, 176 |
| Passenger spaces, unlawful visiting in | 46 | 157 | 124 |
| Pilot | 46 | 214 | 159 |
| Quarters on subsidized vessels for | 46 | 1131(b) | 143 |
| Radiotelegraph officers to be licensed | 46 | 229b | 167 |
| Replacement on foreign voyage | 46 | 221 | 144 |
| Staff officers | 46 | 242 | 170 |
| State regulations as to licensed pilots | 46 | 215 | 160 |
| Subsidized vessels, manning and wage scales | 46 | 1131 | 142 |
| Surrender of license in case of inflicting corporal punishment | 46 | 712 | 61 |
| Watches | 46 | 235 | 138 |
| Watches of seagoing vessel | 46 | 673 | 140 |
| Official logbook | 46 | 201 | 188 |
| Deceased seaman, entries about | 46 | 621 | 221 |
| Deceased seamen, wages, deductions, etc., noted in | 46 | 622 | 221 |
| Deductions from seamen's wages kept in | 46 | 642 | 208 |
| Entry of seamen's offense in | 46 | 702 | 190 |
| Insubordination of seamen, entries about by discharging officer | 46 | 703 | 219 |
| Loadlines and vessel's draft entries in | 46 | 85e | 129 |
| Mode of making entries in | 46 | 202 | 188 |
| Official notice of a material fact | 5 | 1006 | 12 |
| Official numbers for documented vessels | 46 | 45 | 83 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Official records, agency rule on availability | 5 | 1002(c) | 9 |
| Operate, definition of | 46 | 526L(a) | 68, 227 |
| Operation of vessels on Great Lakes without registered pilots | 46 | 216f | 164 |
| Operator; duty of, in marine casualty or accident | 46 | 526L | 68, 227 |
| License for motorboats | 46 | 526f | 67 |
| Small passenger vessels | 46 | 390b | 115 |
| Order; declaratory | 5 | 1004(d) | 11 |
| Definition of | 5 | 1001(d) | 8 |
| Number of crew members able to understand | 46 | 672(a) | 138, 176 |
| Subpenas and production of evidence | 5 | 1005(c) | 12 |
| Organic laws governing Coast Guard | | | 1 |
| Other officer, definition | 46 | 216(e) | 161 |
| Outboard motorboats, exemptions for | 46 | 526h | 68 |
| Outer Continental Shelf Lands Act | 43 | 1333 | 56 |
| Delegation of functions, T.D. Order 167-15 | | | 57 |
| Laws and regulations governing | 43 | 1333 | 56 |
| Overtaking vessel to keep out of the way | 33 | 1086 | 45 |
| Overtime services of Coast Guard or customs officials | 46 | 382b | 21 |
| Owner; definition, for manning | 46 | 713 | 147 |
| Liability of, Small Passenger Act | 46 | 390d | 116 |
| Liability of, to passengers for damages | 46 | 491 | 109 |
| Report of probable loss of vessel | 33 | 362 | 229 |
| Packages, drums or barrels; flammable or combustible liquids in | 46 | 391a(1) | 89 |
| Pamphlets required by law; Laws Governing Marine Inspection | 46 | 492 | 23 |
| Pilot rules not required to be carried aboard motorboats | 46 | 526k | 68 |
| Rules of the Road—Western Rivers | 33 | 353 | 31 |
| Rules of the Road—Inland | 33 | 157 | 27 |
| Panama Canal Zone; Dangerous Cargo Act not applicable in | 46 | 170(1) | 92 |
| Papers; clearance, withholding | 46 | 161 | 126 |
| Hearing records | 5 | 1006 | 12 |
| Shipping, dangerous cargoes | 46 | 170(7) | 93 |
| Ship's documents and papers, examination by Coast Guard | 14 | 89 | 50 |
| Ship's manifest and other documents, examination by Treasury Department officials | 19 | 1581 | 52 |
| Tank vessels | 46 | 391a(5) | 91 |
| Party, definition of | 5 | 1001(b) | 8 |
| Passenger-carrying vessel; cargo vessels carrying passengers | 46 | 882 | 107 |
| Definition, for small passenger vessel | 46 | 390(b) | 114 |
| Definition, in Dangerous Cargo Act | 46 | 170(2) | 92 |
| Passenger deck; definition, for steerage passengers | 46 | 151 | 119 |
| Passenger; definition, for small passenger vessels | 46 | 390(a) | 114 |
| Number needed to have a "passenger vessel" | 46 | 882 | 107 |
| Passengers; cabin | 46 | 151 | 119 |
| Discipline and cleanliness steerage | 46 | 156 | 123 |
| Emigrant | 46 | 161 | 126 |
| Liability of master and owners for damage to | 46 | 491 | 109 |
| Number allowable on cargo vessels | 46 | 882 | 107 |
| Number allowable on passenger vessels | 46 | 451 | 106 |
| Steerage | 46 | 151 | 119 |
| Steerage, death of | 46 | 159 | 124 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Passenger vessels; accommodation of deck passengers | 46 | 478 | 109 |
| Accommodations, separation by sexes | 46 | 152 | 120 |
| Accommodations for steerage passengers | 46 | 151 | 119 |
| Accommodations, small passenger vessels | 46 | 390a(a) | 115 |
| Barges, seagoing | 46 | 395(a) | 97 |
| Berths for steerage passengers | 46 | 151 | 119 |
| Boarding officer furnished passenger list | 46 | 158 | 124 |
| Boiler, unfired pressure vessels, appurtenances, machinery and electrical equipment, inspection | 46 | 392 | 85 |
| Bulkheads on seagoing and lake steam vessels | 46 | 482 | 106 |
| Carrying emigrants to foreign countries | 46 | 161 | 126 |
| Certificate of inspection required | 46 | 399 | 98 |
| Civilian nautical schoolships considered to be | 46 | 1333 | 117 |
| Contract plans and specifications for | 46 | 369 | 104 |
| Count or list of passengers | 46 | 460 | 107 |
| Crew quarters | 46 | 660-1 | 102 |
| Crew quarters, inspection monthly | 46 | 660a | 103 |
| Death of steerage passenger | 46 | 159 | 124 |
| Deck accommodations for passengers | 46 | 478 | 109 |
| Definition, in Dangerous Cargo Act | 46 | 170(2) | 92 |
| Definition, in number allowed | 46 | 882 | 107 |
| Excursion permits | 46 | 453 | 101 |
| Exhibit of inspection certificate | 46 | 400 | 99 |
| Firefighting equipment and precautions | 46 | 481 | 86 |
| Food for steerage passengers | 46 | 154 | 122 |
| Hospitals, surgeon, and medicines when carrying steerage passengers | 46 | 155 | 123 |
| Hull and equipment inspections | 46 | 391 | 84 |
| Instructions and standards in building | 46 | 369 | 104 |
| Laws applicable to | 46 | 362 | 77 |
| Laws governing marine inspection, copies of, for | 46 | 492 | 23 |
| Lifesaving equipment | 46 | 481 | 86 |
| List or count of passengers | 46 | 460 | 107 |
| Load waterlines | 46 | 85a | 127 |
| Load waterlines, coastwise | 46 | 88a | 132 |
| Lowest passenger deck, definition | 46 | 151 | 119 |
| Manning of | 46 | 222 | 137 |
| Mechanically propelled | 46 | 404 | 88 |
| Medical division in staff department | 46 | 242 | 170 |
| Minimum number of officers required | 46 | 223 | 137 |
| Number of passengers allowable | 46 | 451 | 106 |
| Passenger deck | 46 | 151 | 119 |
| Plans and specifications | 46 | 369 | 104 |
| Seagoing, motor propelled | 46 | 367 | 78 |
| Small, inspection of | 46 | 390 | 114 |
| Staff departments on | 46 | 242 | 170 |
| Stairways and gangways | 46 | 477 | 108 |
| Steering apparatus for | 46 | 473 | 108 |
| Steerage; inspection and examination by customs officers | 46 | 160 | 125 |
| Steerage passengers | 46 | 151 | 119 |
| Transportation of animals in | 46 | 156a | 126 |
| Visiting by seamen prohibited | 46 | 157 | 124 |
| Watchmen, night, on | 46 | 470 | 108 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Passengers received on board vessels without valid inspection certificate | 46 | 400 | 99 |
| Passing rules for vessels | | | 32 |
| Payment of wages to seamen | 46 | 642 | 208 |
| Payment of witness fees and expenses | 46 | 239(f) | 232 |
| Peak space bulkheads | 46 | 483 | 106 |
| Penalties; altering certificate or license | 46 | 231 | 148 |
| Assessment, mitigation or remission; Coastwise Load Line Act | 46 | 88g | 135 |
| Assessment, mitigation or remission; Federal Boating Act | 46 | 527e | 74 |
| Assessment, mitigation or remission; Load Line Act | 46 | 85g | 129 |
| Barge, seagoing, failure to have certificate of inspection | 46 | 398 | 98 |
| Carrying sheath knives by seamen | 46 | 710 | 157 |
| Carrying too many passengers | 46 | 452 | 106 |
| Casualties, reporting | 33 | 364 | 229 |
| Coast Guard ensigns and pennants, unlawful display of | 14 | 638 | 54 |
| Complement of officers and crew | 46 | 222 | 137 |
| Crew accommodations, failure to provide | 46 | 660-1 | 102 |
| Crew members employed in violation of law | 46 | 672a(d) | 145 |
| Crew members visiting passenger quarters | 46 | 157 | 124 |
| Customs officers omission to enforce inspection laws | 46 | 495 | 50 |
| Dangerous Cargo Act or regulations | 46 | 170 | 92 |
| Death of passenger during voyage | 46 | 159 | 124 |
| Discharging crews of merchant vessels | 46 | 643 | 173 |
| Employment as officers without licenses | 46 | 224 | 147 |
| Employment of crew members in violation of subsidy law | 46 | 1132(e) | 146 |
| Employment of persons not holding licenses as officers | 46 | 224a(5) | 150 |
| Employment of seaman without certificate of service | 46 | 672(i) | 183 |
| Failing to produce crew lists | 46 | 676 | 206 |
| Failure in discipline, cleanliness of steerage passengers, or to provide exercise space | 46 | 156 | 123 |
| Failure to carry copies of laws governing marine inspection | 46 | 492 | 23 |
| Failure to comply with inspection laws | 46 | 497 | 79 |
| Failure to exhibit name and home port | 46 | 46 | 82 |
| Failure to have valid inspection certificate | 46 | 402 | 100 |
| Failure to keep a count or list of passengers | 46 | 461 | 108 |
| Failure to keep medicines on board | 46 | 667 | 195 |
| Failure to keep watchmen | 46 | 471 | 108 |
| Failure to maintain proper crew quarters | 46 | 660a | 103 |
| Failure to make repairs on notice | 46 | 436 | 101 |
| Failure to make required logbook entries | 46 | 201 | 188 |
| Failure to pay wages, etc., to seamen when vessel is sold foreign | 46 | 684 | 219 |
| Failure to perform shipping commissioner duties | 46 | 643(k) | 209 |
| Failure to post copy of shipping agreement | 46 | 577 | 203 |
| Failure to produce apprentice | 46 | 562 | 205 |
| Failure to produce or account for person on crew list | 46 | 677 | 207 |
| Failure to produce records or evidence in arbitration proceedings | 46 | 652 | 211 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Penalties—Continued | | | |
| Failure to provide clothing and heat for seamen | 46 | 669 | 196 |
| Failure to provide good food or water | 46 | 662 | 193 |
| Failure to provide hospital, surgeon, and medicine for steerage passengers | 46 | 155 | 123 |
| Failure to provide light, air, and accommodations on passenger vessels | 46 | 153 | 121 |
| Failure to provide medicines, medical stores, lime or lemon juice, sugar, salt, vinegar, etc. | 46 | 667 | 195 |
| Failure to provide proper accommodations for passengers | 46 | 479 | 109 |
| Failure to provide provisions or water | 46 | 662 | 193 |
| Failure to report and pay collector of customs for death of steerage passenger | 46 | 159 | 124 |
| Failure to report probable loss of vessel | 33 | 362 | 229 |
| Failure to submit marine casualty reports | 33 | 361 | 228 |
| Failure to submit reports on employment and discharge of seamen | 46 | 643L | 175, 209 |
| False certification by inspector | 46 | 403 | 22 |
| Federal Boating Act | 46 | 527e | 74 |
| For shipping seamen without articles | 46 | 575 | 203 |
| Fraud in obtaining certificate, document, or license | 18 | 2197 | 60 |
| Great Lakes Pilotage Act | 46 | 216e | 163 |
| Hours of work | 46 | 673 | 140 |
| Knowingly shipping seamen without shipping articles | 46 | 568 | 201 |
| Loadline violations | 46 | 85g | 129 |
| Loadline violations, coastwise | 46 | 88g | 135 |
| Logbook entries, omitting | 46 | 203 | 189 |
| Mitigation by Commandant, U.S. Coast Guard, or Commissioner of Customs | 46 | 7 | 53 |
| Motorboat Act, generally | 46 | 526a | 69 |
| Mustering of crew, etc. | 46 | 672(d) | 141, 181 |
| Name of vessel not exhibited on pilothouse | 46 | 493 | 82 |
| Neglect or refusal to pay over balance of forfeitures by deserting seamen | 46 | 706 | 224 |
| Neglect to take charge of effects of deceased seamen | 46 | 623 | 222 |
| Negligent operation of vessels | 46 | 526L | 68, 227 |
| Numbering of undocumented vessels | 46 | 527e | 74 |
| Obstructing complaints about provisions or water | 46 | 664 | 194 |
| Offenses by seamen | 46 | 701 | 189 |
| Omitting required entries from logbooks | 46 | 203 | 189 |
| Operating vessels without required officers and crew | 46 | 222 | 137 |
| Passenger vessels not constructed or altered as described in approved plans | 46 | 369 | 104 |
| Personating shipping commissioner | 46 | 546 | 204 |
| Pilot rules, St. Marys River | 33 | 474 | 30 |
| Radiotelegraph officers or operators | 46 | 229b | 167 |
| Reckless or negligent operation of a motorboat or vessel | 46 | 526m | 69 |
| Refusing or neglecting complaint that vessel is unseaworthy | 46 | 653 | 191 |
| Remission by Commandant, U.S. Coast Guard, or Commissioner of Customs | 46 | 7 | 53 |
| Remission or mitigation, marine casualties | 33 | 364 | 229 |
| Seagoing barges | 46 | 398 | 98 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Penalties—Continued | | | |
| Seamen failing to join ship after signing shipping articles | 46 | 576 | 203 |
| Sending unseaworthy vessel to sea | 46 | 658 | 192 |
| Shipping seamen in foreign ports not before consul | 46 | 571 | 202 |
| Shipping seamen without agreement | 46 | 567 | 201 |
| Sign on crews of merchant vessels | 46 | 643 | 173 |
| Small Passenger Vessel Act | 46 | 390d | 116 |
| Staff officers | 46 | 246 | 171 |
| Tank Vessel Act or regulations | 46 | 391a | 84, 89 |
| Unauthorized use of words "Coast Guard," etc | 14 | 639 | 54 |
| Unlawful discharge of seamen | 46 | 641 | 207 |
| Use of unlawful towline | 33 | 153 | 98 |
| Vessels failing to have required coastwise load line certificates | 46 | 88b | 132 |
| Vessels failing to have required loadline certificates | 46 | 85b | 127 |
| Vessels operated without complying with inspection laws | 46 | 497 | 79 |
| Vessels violating laws regarding emigrant or steerage passengers | 46 | 162 | 126 |
| Watch duty of deck officers | 46 | 235 | 138 |
| Watches and hours of labor | 46 | 673 | 140 |
| Wearing sheath knife | 46 | 710 | 157 |
| Wilful breach of duty | 18 | 2196 | 156 |
| Penalty cases; adjudications in | 5 | 1004 | 10 |
| Permits; dangerous cargoes, to load or discharge | 46 | 170(7) | 93 |
| Excursion | 46 | 453 | 101 |
| Tank vessels | 46 | 391a | 84, 89 |
| Person, definition of | 5 | 1001(b) | 8 |
| Impairment of rights prohibited | 5 | 1011 | 16 |
| Right to petition regarding rules and regulations | 5 | 1003(d) | 10 |
| Persons in addition to crew on cargo vessels | 46 | 882 | 107 |
| Persons not considered as passengers | 46 | 458 | 101 |
| Petitions for issuance, amendment or repeal of rules and regulations | 5 | 1003(d) | 10 |
| Notice of denial | 5 | 1005(d) | 12 |
| Petroleum carried in double bottoms | 46 | 467 | 110 |
| Petty officers, Coast Guard law enforcement | 14 | 89 | 50 |
| Photographs of seamen | 46 | 672(d) | 141, 131 |
| Physical examinations and qualifications; able seamen | 46 | 672(a) | 138, 176 |
| Food handlers must be free of communicable disease | 46 | 672(g) | 182 |
| Ordinary seamen | 46 | 672(a) | 138, 176 |
| Qualified member of engine department | 46 | 672(e) | 139, 182 |
| Physician; or surgeon; as a staff officer | 46 | 243 | 170 |
| On passenger vessel carrying steerage passengers | 46 | 155 | 123 |
| Pirates, transportation of | 46 | 170 | 92 |
| Piledrivers; not subject to Dangerous Cargo Act | 46 | 170(6) | 93 |
| Pilotage; duty by pilot vessel, lights and shapes displayed | 33 | 1068 | 38 |
| Fees or charges for | 46 | 215 | 160 |
| For vessels not sailing under register | 46 | 364 | 78 |
| Great Lakes, regulations and policies | 46 | 216h | 164 |
| State | 46 | 215 | 160 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Pilot associations for Great Lakes | 46 | 216b(e) | 162 |
| Boarding vessels on arrival | 46 | 158 | 124 |
| Canadian registered | 46 | 216(d) | 160 |
| Canadian, serving on U.S. registered vessels on Great Lakes | 46 | 216a | 161 |
| Citizenship requirements | 46 | 221 | 144 |
| Coastwise or inland vessels under direction of federally licensed | 46 | 364 | 78 |
| Color blindness, grounds for rejection on renewal of license | 46 | 225 | 147 |
| Determination by, when navigation is unsafe | 46 | 480 | 109 |
| Endorsement as, on master's or mate's license | 46 | 230 | 160 |
| Great Lakes; areas required to have registered pilots | 46 | 216a | 161 |
| Great Lakes; vessels operating on under control of | 46 | 216a | 161 |
| Indians licensed as | 46 | 237 | 155 |
| Liability of, to passengers for damages | 46 | 491 | 109 |
| License | 46 | 214 | 159 |
| License, exhibition of, by | 46 | 232 | 144 |
| License, grounds for suspension or revocation | 46 | 214 | 159 |
| License, validity limited to 5 years | 46 | 214 | 159 |
| Licensing and classification as | 46 | 224 | 147 |
| Oath to faithfully perform duties as | 46 | 231 | 148 |
| Refusal to serve under license, grounds for suspension or revocation | 46 | 240 | 157 |
| Registration of Great Lakes pilots | 46 | 216b | 161 |
| Required on vessels not sailing under registry | 46 | 364 | 78 |
| Small steam vessels, ferryboats, canalboats and yachts | 46 | 404 | 88 |
| State regulation of | 46 | 215 | 160 |
| State regulation prohibited, Great Lakes | 46 | 216g | 164 |
| U.S. registered, definition | 46 | 216(c) | 160 |
| Vessels requiring Federal licenses | 46 | 364 | 78 |
| Pilothouse; name of vessel exhibited on sides of | 46 | 493 | 82 |
| Signaling apparatus to engineroom | 46 | 473 | 108 |
| Pilot Rules; carrying copies of, not required for motorboats | 46 | 526k | 68 |
| Certain inland waters, harbors, and rivers applicability to | 33 | 154 | 27 |
| Certain inland waters; lights for rafts, etc | 33 | 178(d) | 28 |
| Certain inland waters; special rules authorized | 33 | 157 | 27 |
| Demarcation of high seas for | 33 | 151 | 27 |
| Exceptions to rules of navigation | 33 | 157a | 28 |
| Exemption for Navy or Coast Guard vessels | 33 | 356 | 31 |
| Great Lakes; applicability of | 33 | 241 | 29 |
| Great Lakes; lights for small tugs, St. Lawrence River vessels, ferryboats, rafts and canal-boats | 33 | 256 | 29 |
| Great Lakes; lights for boats, rafts, etc, navigating by hand or horsepower, or at anchor | 33 | 259 | 29 |
| Great Lakes; special rules authorized | 33 | 243 | 29 |
| Great Lakes; St. Marys River | 33 | 474 | 30 |
| International Rules, 1948 | 33 | 143 | 25 |
| International Rules, 1960 | 33 | 1061 | 32 |
| International Rules, 1960, applicability | 33 | 1051 | 25 |
| International Rules; departures from under special circumstances | 33 | 1089 | 46 |
| International Rules, lights and shapes | 33 | 1062 | 33 |

| Subject | U.S. Code | | |
|--|-----------|---------|------|
| | Title | Section | Page |
| Pilot Rules—Continued | | | |
| International Rules; Navy and Coast Guard vessels, exemptions for lights | 33 | 1052 | 26 |
| Lights for motorboats | 46 | 526b | 65 |
| Navy and Coast Guard vessels, exemptions regarding lights | 33 | 143a | 25 |
| Navy or Coast Guard vessels of special construction | 33 | 360 | 32 |
| Vessels subject to passing rules | 46 | 364 | 78 |
| Western rivers; applicability of | 33 | 301 | 30 |
| Western rivers; lights not otherwise provided for | 33 | 316(b) | 30 |
| Western rivers; special rules authorized | 33 | 353 | 31 |
| Pilot vessels; exempted from crew accommodation requirements | 46 | 660-1 | 102 |
| Lights and shapes displayed | 33 | 1068 | 38 |
| Sound signals by | 33 | 1076 | 42 |
| Places of employment, inspection of | 33 | 941(c) | 63 |
| Plans and specifications; definition, in passenger vessel construction or alteration | 46 | 369(d) | 105 |
| Passenger vessels | 46 | 369 | 104 |
| Tank vessels | 46 | 391a(4) | 90 |
| Portable side lights | 33 | 1066 | 37 |
| Port; definition of | 46 | 47 | 82 |
| Home port name exhibited on stern | 46 | 48 | 82 |
| Light for motorboat | 46 | 526b | 65 |
| Light, under International Rules, 1960 | 33 | 1062(a) | 33 |
| Posting; agreement between master and crew | 46 | 577 | 203 |
| Certificates of inspection | 46 | 400 | 99 |
| Law on visiting parts of vessels occupied by passengers by seamen | 46 | 157 | 124 |
| Licenses of officers | 46 | 232 | 144 |
| Licenses of radiotelegraph officers | 46 | 229f | 168 |
| Muster lists and duties of seamen | 46 | 481 | 86 |
| Pilot Rules—Great Lakes | 33 | 243 | 29 |
| Power-driven vessel, definition, 1960 International Rules | 33 | 1061(c) | 33 |
| Lights for | 33 | 1062 | 33 |
| Sound signals by, when in sight of one another | 33 | 1090 | 46 |
| Precautions against fire regulations authorized | 46 | 481 | 86 |
| Watchmen during nighttime | 46 | 470 | 108 |
| President; authorized to suspend laws | 46 | 82 | 50 |
| Authorized to waive compliance with certain laws | 50 | 198 | 80 |
| Documents signed by | 44 | 311(g) | 19 |
| Great Lakes requiring registered pilots described by | 46 | 216a | 161 |
| Proclamation of, published in Federal Register | 44 | 305(a) | 17 |
| Proclamation of, regulations for preventing collisions at sea, 1951 act | 33 | 143 | 25 |
| Proclamation of, regulations for preventing collisions at sea, 1963 act | 33 | 1051 | 25 |
| Publication of lines regarding Continental Shelf | 43 | 1333 | 56 |
| Pressure vessels, construction | 46 | 407 | 111 |
| Inspection | 46 | 392 | 85 |
| Probate of deceased seaman's estate | 46 | 627 | 223 |
| Procedure after arrest for violation of Motorboat Act | 46 | 526n | 69 |
| Procedures; rulemaking | 5 | 1003(b) | 10 |
| Production of copy of crew list on return of vessel | 46 | 677 | 107 |
| Prolonged blast, definition of, Rules of the Road | 33 | 1061(c) | 33 |

| Subject | U.S. Code | | |
|---|-----------|---------|---------|
| | Title | Section | Page |
| Propelling machinery | 46 | 392 | 85 |
| Proper lookout, 1960 International Rules | 33 | 1091 | 47 |
| Provisions or food; allowance for reduction of | 46 | 665 | 194 |
| Complaints about | 46 | 662 | 193 |
| False complaint about | 46 | 663 | 194 |
| Lemon or lime juice, salt, sugar, and vinegar required | 46 | 666 | 195 |
| Measures or weights | 46 | 668 | 195 |
| Permission from master as to complaint about | 46 | 664 | 194 |
| Provisions to guard against fires; motorboats | 46 | 526i | 68 |
| Small passenger vessels | 46 | 390b | 115 |
| Special regulations | 46 | 481 | 86 |
| Tank vessels | 46 | 391a | 89 |
| Publication of information required by Administrative Procedure Act | 5 | 1002(a) | 9 |
| Publication of notice and character of lights for vessels of special construction | 33 | 360a | 32 |
| Public Health Service; fumigation of forecastles, rules for | 46 | 660-1 | 102 |
| Public hearings; dangerous cargo regulations | 46 | 170(9) | 95 |
| Notice of, under Administrative Procedure Act | 5 | 1003(a) | 10 |
| Pilot Rules—Certain Inland Waters | 33 | 157 | 27 |
| Pilot Rules—Western Rivers | 33 | 353 | 31 |
| Tank vessel regulations | 46 | 391a(3) | 90 |
| Public inspection of final opinions or orders | 5 | 1002 | 9 |
| Public records; marine casualties involving loss of life | 46 | 239(a) | 231 |
| Public vessels of United States numbering of, not required | 46 | 527a | 71 |
| Puerto Rico, Commonwealth of; Motorboat Act applicable in | 46 | 526u | 70 |
| Numbering undocumented vessels in | 46 | 527a | 71 |
| Pumps; bilge systems | 46 | 481 | 86 |
| Punishment; coercion or bribery of witness | 46 | 239(i) | 232 |
| Corporal; inflicted on seamen | 46 | 712 | 61 |
| Counterfeiting continuous discharge books | 46 | 643 | 173 |
| Cruelty to seamen | 18 | 2191 | 61 |
| Drunkenness by seamen | 18 | 2196 | 156 |
| Failure to give assistance, information, etc., in marine casualty | 33 | 368 | 227 |
| False information regarding crews of vessels | 46 | 672(d) | 141 |
| Improper construction of boilers, etc | 46 | 407 | 111 |
| Influencing or injuring witness before agencies | 18 | 1505 | 233 |
| Inspector certifying falsely | 46 | 403 | 22 |
| Manufacture of faulty lifesaving or firefighting equipment | 46 | 481 | 86 |
| Neglect of duty by seamen | 18 | 2196 | 156 |
| Reckless or negligent operation of a motorboat or a vessel | 46 | 526m | 69, 228 |
| Shipping commissioner charging fees for furnishing merchant seamen | 46 | 542a | 24 |
| Unauthorized use of words "Coast Guard," etc | 14 | 639 | 54 |
| Purser, creation of staff department with purser's division | 46 | 244 | 171 |
| Investigation of illegal acts by | 46 | 239(d) | 231 |
| Member of Naval Reserve | 46 | 245 | 171 |
| Oath required when receiving certificate of registry | 46 | 244 | 171 |
| Registration as staff officer | 46 | 242 | 170 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Qualifications; able seaman | 46 | 672(b) | 177 |
| Certificate of registry | 46 | 243 | 170 |
| Crew members | 46 | 672(a) | 138 |
| Engineer's licenses | 46 | 229 | 166 |
| Lifeboatman | 46 | 672(d) | 141, 181 |
| Master's licenses | 46 | 226 | 159 |
| Mate's licenses | 46 | 228 | 159 |
| Pilot's licenses | 46 | 214 | 159 |
| Qualified members of engine department | 46 | 672(e) | 139, 182 |
| Radio officers licenses | 46 | 229e | 168 |
| Radio operator | 46 | 672(g) | 182 |
| Staff officers | 46 | 243 | 170 |
| Tankerman | 46 | 391a | 89 |
| Quarters; civilian nautical schoolships | 46 | 1333 | 117 |
| Crew | 46 | 660-1 | 102 |
| Crew, inspection | 46 | 660a | 103 |
| Hospital | 46 | 660-1 | 102 |
| Passenger | 46 | 369 | 104 |
| Passenger, seagoing barges | 46 | 395 | 97 |
| Passenger, small passenger vessels | 46 | 390b | 115 |
| Passenger, steerage | 46 | 151 | 119 |
| Racing outboard motorboats; exemptions for | 46 | 526h | 68 |
| Radar; as an aid to avoid collisions at sea | 33 | 1094 | 48 |
| Information, recommendations on the use of | 33 | 1094 | 48 |
| Information to be used to prevent collisions | 33 | 1075 | 42 |
| Range and bearing, recommendation regarding | 33 | 1094 | 48 |
| Radio officers | 46 | 229g | 168 |
| For Great Lakes vessels | 46 | 229h | 169 |
| Licenses | 46 | 229a | 167 |
| Licenses, grounds for suspension or revocation | 46 | 229c | 167 |
| Licenses, validity limited to 5 years | 46 | 229e | 167 |
| Radio operator | 46 | 672(g) | 182 |
| Investigation of illegal acts by | 46 | 239(d) | 231 |
| Neglect of duty by | 18 | 2196 | 156 |
| Produce unexpired license of Federal Communications Commission | 46 | 672(g) | 182 |
| Radiotelegraph alarm signed for distress calls | 33 | 1093 | 47 |
| Radiotelegraph operators; as officers, licensing of | 46 | 229a | 167 |
| For Great Lakes vessels | 46 | 229g | 168 |
| Three watches required | 46 | 673 | 140 |
| Radiotelephone alarm signals for distress calls | 33 | 1093 | 47 |
| Rafts; certain inland waters; navigating by hand-power or current | 33 | 178(d) | 28 |
| Great Lakes | 33 | 256 | 29 |
| Great Lakes; navigating by handpower or current | 33 | 259 | 29 |
| Lights or day signals for; certain inland waters | 33 | 157 | 27 |
| Western rivers | 33 | 316(b) | 30 |
| Western rivers; navigating by handpower or current | 33 | 353 | 31 |
| Rates and charges for services of Great Lakes pilots | 46 | 216c | 163 |
| Real property, acquisition by Coast Guard | 14 | 92 | 5 |
| Reciprocity agreements regarding vessel inspections | 46 | 362 | 77 |
| Reciprocity and comity among several State jurisdictions | 46 | 527f | 74 |
| Reckless or negligent operation of vessels; prohibition | 46 | 526L | 68, 227 |
| Penalty | 46 | 526m | 69, 228 |
| Records and reports about navigation laws | 46 | 4 | 21 |
| Records and reports of Coast Guard officials | 46 | 414 | 21 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Records; certificates of efficiency | 46 | 672(f) | 182 |
| Certificates of service | 47 | 672(c) | 180 |
| Crew lists | 46 | 672 | 206 |
| Loadlines and drafts of coastwise vessels | 46 | 88e | 133 |
| Marine casualties involving loss of life | 46 | 239(a) | 231 |
| Seamen, not public records | 46 | 643(f) | 174, 208 |
| Service by seamen | 46 | 643(e) | 173, 208 |
| Recovery for injury to or death of seamen | 46 | 688 | 196 |
| Recreational boating; Federal Boating Act | 46 | 527 | 71 |
| Red River of the North; Pilot Rules, Inland, not applicable to | 33 | 154 | 27 |
| Pilot Rules, Western Rivers, applicable to | 33 | 301 | 30 |
| Refunding of penalties | 46 | 8 | 53 |
| Refusal of master to pay wages and charges | 46 | 660 | 193 |
| Refusal of seamen to sail when vessel is found seaworthy | 46 | 655 | 192 |
| Refusal to clear a vessel; not complying with Coastwise Load Line Act | 46 | 88f | 134 |
| Not complying with inspection laws | 46 | 496 | 50 |
| Not complying with Load Line Act | 46 | 85f | 129 |
| Register; barge, seagoing | 46 | 397 | 98 |
| Certificates of, for staff officers | 46 | 242 | 170 |
| Coast Guard certificates of character of seamen | 46 | 645 | 211 |
| Seamen, shipping commissioner to maintain | 46 | 545 | 204 |
| Registered, definition for emergency foreign vessel acquisition | 50 | 198(f) | 81 |
| Registration of staff officers | 46 | 242 | 170 |
| Registration of U.S. pilots | 46 | 216b | 161 |
| Registry or enrollment denied to vessels not complying with law | 46 | 496 | 50 |
| Regulation of carriage of explosives or other dangerous articles on vessels | 46 | 170 | 92 |
| Regulation of Great Lakes pilots and pilotage | 46 | 216 | 160 |
| Regulation of length of towlines | 33 | 152 | 98 |
| Regulations and rules; able seamen; certification of accidents and other casualties reported under Motorboat Act | 46 | 526L(c) | 69, 228 |
| Administration of, to be uniform | 46 | 372 | 20 |
| Allotments of seamen's wages | 46 | 599(f) | 215 |
| Amendment procedures | 5 | 1003 | 10 |
| Artificial islands and fixed structures, Outer Continental Shelf | 43 | 1333(e) | 56 |
| Authority to comply with Administrative Procedure Act | 5 | 1011 | 16 |
| Barges, seagoing | 46 | 395 | 97 |
| Bell pulls for signaling between engineroom and pilothouse | 46 | 473 | 108 |
| Boiler inspections | 46 | 392 | 85 |
| Boilerplate | 46 | 406 | 111 |
| Boilerplate testing and inspection standards | 46 | 408 | 112 |
| Boilers; design, materials, and construction | 46 | 411 | 111 |
| Bulkheads, watertight, in steam vessels | 46 | 482 | 106 |
| Carburetor flame arresters and backfire traps for machinery using gasoline as fuel | 46 | 526i | 68 |
| Casualty and accident assistance, reports | 46 | 526L | 68, 227 |
| Casualty, marine | 46 | 239(a) | 231 |
| Certificate for coastwise loadlines | 46 | 88b | 132 |
| Certificates of identification or continuous discharge books | 46 | 643 | 173 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Regulations and rules—Continued | | | |
| Certificates of inspection | 46 | 399 | 98 |
| Certificates of service or efficiency | 46 | 672(a) | 138 |
| Civilian nautical schools | 46 | 1333 | 117 |
| Coastwise Load Line Act | 46 | 88a | 132 |
| Codifications of, in Federal Register | 44 | 311 | 19 |
| Commandant's authority, T.D. Order 120 | | | 4 |
| Commerce Department vessels | 46 | 363 | 78 |
| Congress, submitted to | 46 | 527d | 73 |
| Crew accommodations | 46 | 660-1 | 102 |
| Dangerous cargoes | 46 | 170 | 92 |
| Definitions regarding | 5 | 1001 | 8 |
| Delegation of powers by the Secretary of the Treasury | 14 | 631 | 6 |
| Demarcation lines of high seas | 33 | 151 | 27 |
| Designation of regulations for preventing collisions at sea | 33 | 1053 | 26 |
| Discharging crew members | 46 | 643(k) | 175, 209 |
| Electrical apparatus and equipment | 46 | 392 | 85 |
| Employment and discharge of seamen, reports, etc | 46 | 643(l) | 175 |
| Enforcement of provisions regarding Officers' Competency Certificates Convention, 1936 | 46 | 224a | 149 |
| Enforcement of seamen's laws | 46 | 689 | 20 |
| Excursion permits | 46 | 453 | 101 |
| Exhibiting posters containing Pilot Rules—Great Lakes | 33 | 243 | 29 |
| Explosives | 46 | 170(7) | 93 |
| Federal Boating Act | 46 | 527d | 73 |
| Fire extinguishers for motorboats, etc | 46 | 526g | 67 |
| Firefighting equipment and precautions | 46 | 481 | 86 |
| Foreign vessels acquired by Maritime Administration | 50 | 198 | 80 |
| Fuel for lifeboats | 46 | 170a | 97 |
| Great Lakes pilots and pilotage | 46 | 216 | 160 |
| Handling liquid cargo in bulk | 46 | 391a(2) | 90 |
| Having force of law | 46 | 375 | 20 |
| Hawaiian vessels, officers for | 46 | 367 | 78 |
| Hull inspections | 46 | 391 | 84 |
| Hydrostatic and other tests | 46 | 392 | 85 |
| Incapacitated seamen requiring prompt discharge | 46 | 683 | 218 |
| Inspection, enforcement of | 46 | 416 | 20 |
| Inspection of vessels, generally | 46 | 375 | 20 |
| International Rules, 1960 | 33 | 1061 | 32 |
| Investigations of accidents, casualties, etc | 46 | 239(a) | 231 |
| Labor Department | 33 | 941 | 62 |
| License renewals | 46 | 225 | 147 |
| License renewals, when licensed officer need not be present | 46 | 233 | 148 |
| Licensing and classifying of officers | 46 | 224 | 147 |
| Lifesaving devices for motorboats | 46 | 526e | 66 |
| Lifesaving equipment | 46 | 481 | 86 |
| Lights and shapes, International Rules | 33 | 1062 | 33 |
| Lights for Navy and Coast Guard vessels | 33 | 1052 | 26 |
| Lights for vessels of special construction, 1945 act | 33 | 360 | 32 |
| Load Line Act, Coastwise | 46 | 88a | 132 |
| Load Line Act, Oceangoing Vessels | 46 | 85a | 127 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Regulations and rules—Continued | | | |
| Local, not inconsistent with dangerous cargo regulations | 46 | 170(7) | 93 |
| Machinery, propelling and auxiliary | 46 | 392 | 85 |
| Manifests of cargo on steerage passenger vessels | 46 | 158 | 124 |
| Manning, tank vessels | 46 | 391a(6) | 91 |
| Marine casualties | 46 | 239(a) | 231 |
| Marine casualty investigations | 46 | 239(j) | 233 |
| Marine engineering | 46 | 411 | 111 |
| Mechanically propelled vessels | 46 | 404 | 88 |
| Merchant seamen, enforcement of laws governing | 46 | 689 | 20 |
| Motorboat Act | 46 | 526p | 70 |
| Motorboat operator's license | 46 | 526f | 67 |
| Notice of contents by publication in Federal Register | 44 | 307 | 18 |
| Notice of rulemaking | 5 | 1003(a) | 10 |
| Numbering of undocumented vessels | 46 | 527d | 73 |
| Overtime services performed by Coast Guard or customs officials | 46 | 382b | 21 |
| Passengers, number, allowable | 46 | 481 | 86 |
| Passenger vessels, construction or alteration | 46 | 369 | 104 |
| Petitions regarding | 5 | 1003(d) | 10 |
| Physical standards for seamen | 46 | 672(a) | 138, 176 |
| Pilot Rules—Great Lakes | 33 | 243 | 29 |
| Pilot Rules—Inland Waters | 33 | 154 | 27 |
| Pilot Rules, St. Marys River | 33 | 474 | 30 |
| Pilot Rules—Western Rivers | 33 | 353 | 31 |
| Pilots, registered, for Great Lakes | 46 | 216(c) | 160 |
| Piping, steam | 46 | 411 | 111 |
| Posting certificate of inspection | 46 | 400 | 99 |
| Presumption of validity when published in Federal Register | 44 | 307 | 18 |
| Prima facie evidence of text | 44 | 311(e) | 19 |
| Publication of, in Federal Register | 5 | 1002 | 9 |
| Public hearings, Administrative Procedure Act | 5 | 1003(a) | 10 |
| Public hearings, dangerous cargo regulations | 46 | 170(9) | 95 |
| Public hearings, inland pilot rules | 33 | 157 | 27 |
| Public hearings; Pilot Rules—Western Rivers | 33 | 353 | 31 |
| Public hearings; tank vessel regulations | 46 | 391a(3) | 90 |
| Registration of staff officers | 46 | 247 | 172 |
| Reinspections of vessels | 46 | 435 | 100 |
| Rulemaking procedures | 5 | 1003 | 10 |
| Rules of the Road—Demarcation Line Between High Seas and Inland Waters | 33 | 151 | 27 |
| Rules of the Road—Exceptions in or Around Bridges | 33 | 157a | 28 |
| Rules of the Road—Great Lakes | 33 | 243 | 29 |
| Rules of the Road—Inland Waters | 33 | 157 | 27 |
| Rules of the Road—International Rules, 1948 | 33 | 143 | 25 |
| Rules of the Road—International Rules, 1960 | 33 | 1061 | 32 |
| Rules of the Road—St. Marys River | 33 | 474 | 30 |
| Rules of the Road—Vessels of Special Construction | 33 | 360 | 32 |
| Safety; promulgation and enforcement | 14 | 2 | 4 |
| Schoolships approved so graduates may receive able seamen or qualified members of engine department certificates | 46 | 672(e) | 139, 182 |
| Seagoing barges | 46 | 395 | 97 |

| Subject | U.S. Code | | |
|--|-----------|----------|----------|
| | Title | Section | Page |
| Regulations and rules—Continued | | | |
| Seagoing motor vessels | 46 | 367 | 78 |
| Secretary of the Treasury, promulgation by | 14 | 633 | 6 |
| Shipment and discharge of merchant seamen | 46 | 643(j) | 175 |
| Shipment and discharge of seamen not shipped before Coast Guard official | 46 | 643(1) | 175, 209 |
| Signals between engineroom and pilothouse | 46 | 473 | 108 |
| Signing on crew members | 46 | 643(k) | 175, 209 |
| Small passenger-carrying vessels | 46 | 390b | 115 |
| Special rules under 1960 International Rules | 33 | 1090 | 46 |
| Superintendence of commercial marine and merchant seamen | 46 | 2 | 20 |
| Suspension and revocation of licenses or documents | 46 | 239(g) | 157 |
| System for numbering undocumented vessels | 46 | 527a | 71 |
| Tankerman certificate | 46 | 391a(6) | 91 |
| Tank vessels | 46 | 391a(2) | 90 |
| Tests of boilers and machinery | 46 | 392(d) | 86 |
| Title 52 of the Revised Statutes, to carry out | 46 | 375 | 20 |
| Title 52 of the Revised Statutes, to secure proper excursion of | 46 | 416 | 20 |
| To enforce seamen's laws | 46 | 689 | 20 |
| Towing vessels, steam | 46 | 405 | 89 |
| Towlines, length of | 33 | 152 | 98 |
| Unfired pressure vessels; design, materials, and construction | 46 | 411 | 111 |
| Ventilation of motorboat engine and fuel compartments | 46 | 526j | 68 |
| Vessels operating under or near bridges | 33 | 157a | 28 |
| Welding for boilers, etc | 46 | 407 | 111 |
| Regulations for preventing collisions at sea, 1960 | | | |
| Applicability of 1951 act | 33 | 143 | 25 |
| Applicability of 1963 act | 33 | 1051 | 25 |
| Designation of | 33 | 1053 | 26 |
| Exemptions for Navy and Coast Guard vessels, 1951 act | 33 | 143a | 25 |
| Not affected by Motorboat Act | 46 | 526r | 70 |
| Reinspections of vessels | 46 | 435 | 100 |
| Remission or mitigation of penalties; authorization for Coast Guard to | | | |
| Coastwise Load Line Act | 46 | 7 | 53 |
| Federal Boating Act | 46 | 88g | 135 |
| Load Line Act | 46 | 527e | 74 |
| Marine casualties | 46 | 85g | 129 |
| Motorboat Act | 33 | 364 | 229 |
| Officers' Competency Certificates Convention, 1936, Enabling Act | 46 | 526p | 70 |
| Removal of captain or master by owners | 46 | 224a(10) | 151 |
| Renewal of licenses; appearing in person required | 46 | 227 | 144 |
| Officer living in foreign country | 46 | 225 | 147 |
| When residing at a distance from Coast Guard official | 46 | 225 | 147 |
| Reorganization Plan No. 3 of 1946 | | | 1 |
| Reorganization Plan No. 26 of 1950 | | | 3 |
| Assignment of functions under | | | 4 |
| Repairs or alterations of vessels; notice to Coast Guard | 46 | 435 | 100 |
| Passenger vessel | 46 | 369 | 104 |
| Small passenger vessels | 46 | 390b | 115 |
| Tank vessels | 46 | 391a(2) | 90 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Replacement of crew members | 46 | 222 | 137 |
| Replacement of officer on foreign voyage | 46 | 221 | 144 |
| Reporting accidents, collisions, and other casualties, required by Motorboat Act | 46 | 526L(c) | 69, 228 |
| Reporting marine casualty involving loss of life | 46 | 239(a) | 231 |
| Reports; accidents, etc., under Motorboat Act | 46 | 526L | 68, 227 |
| Customs officers on steerage passenger vessels | 46 | 160 | 125 |
| Employment or discharge of seamen | 46 | 643(L) | 175, 209 |
| Inspections by Coast Guard officials | 46 | 414 | 21 |
| Licenses issued, etc., by Coast Guard officials | 46 | 414 | 21 |
| Loss of vessel, by owner | 33 | 362 | 229 |
| Marine casualties by master, owner, or agent | 33 | 361 | 228 |
| Marine casualties involving loss of life | 46 | 239(a) | 231 |
| Navigation laws, improvement to | 46 | 4 | 21 |
| Quarterly, by consular officers, regarding deceased seamen | 46 | 624 | 222 |
| Recreational boating accident, collision or other casualty | 46 | 526L | 68, 227 |
| Shipping seamen to replace those lost by desertion or casualty | 46 | 569 | 144, 201 |
| Shipment and discharge of seamen, by masters | 46 | 643(L) | 175, 209 |
| Rescues; facilities for promotion of safety, primary duties | 14 | 2 | 4 |
| Saving life and property | 14 | 88 | 230 |
| Reservations by the United States; Minimum Age (Sea) Convention, 1936 | | | 185 |
| Officer's Competency Certificates Convention | | | 151 |
| Reshipment of seamen | 46 | 672(a) | 138 |
| Restricted visibility, duty to reduce speed | 33 | 1077 | 43 |
| Revised Statutes of the United States, table listing | | | 235 |
| Revocation and suspension proceedings; adjudications in | 5 | 1004 | 10 |
| Certificate, document or license subject to | 46 | 239(g) | 157 |
| Certificates of registry as staff officers | 46 | 246(c) | 172 |
| Certificates of service or efficiency | 46 | 672(h) | 183 |
| Engineer's license | 46 | 229 | 166 |
| Licenses to officers of uninspected vessels | 46 | 224a | 149 |
| Master's license | 46 | 226 | 159 |
| Mate's license | 46 | 228 | 159 |
| Notice of time, place, and subject | 46 | 239(g) | 157 |
| Officer's refusal to serve | 46 | 240 | 157 |
| Pilot's license | 46 | 214 | 159 |
| Radio officers licenses | 46 | 229e | 167 |
| Right of appeal | 46 | 239(g) | 157 |
| Seaman's documents; narcotics violations | 46 | 239b | 158 |
| Tankerman's certificate | 46 | 391a | 89 |
| Revocation; based on inspection | 46 | 391(d) | 84 |
| Certificate of inspection | 46 | 399 | 98 |
| Civilian nautical schoolships | 46 | 1333(c) | 117 |
| Enforcement procedures | 46 | 435 | 100 |
| Loadline classification society appointment | 46 | 88b | 132 |
| Right of appeal | 46 | 435 | 100 |
| Small passenger vessel | 46 | 390c | 115 |
| Tank vessels | 46 | 391a(4) | 90 |
| Right of appeal; complement of officers and crew | 46 | 222 | 137 |
| Inspection of vessels and deficiencies reported | 46 | 391 | 84 |
| Loadlines, coastwise, detention of vessels | 46 | 88f | 134 |
| Loadlines, detention of vessel | 46 | 85f | 129 |
| Reinspections and notices for repairs | 46 | 435 | 100 |
| Suspension or revocation proceedings | 46 | 239(g) | 157 |
| Under Administrative Procedure Act | 5 | 1009 | 15 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Right of judicial review | 5 | 1009 | 15 |
| Right of seamen to a discharge | 46 | 673 | 140 |
| Right to counsel | 46 | 239(d) | 231 |
| Ring buoys; number, type, size, stowage, etc. | 46 | 481 | 86 |
| On motorboats | 46 | 526e | 66 |
| River steam vessels; mates, licensing | 46 | 228 | 159 |
| To be anchored when navigation is unsafe | 46 | 480 | 109 |
| Rockets as distress signals | 33 | 1093 | 47 |
| Routes or areas of operation for vessels, small passenger vessels | 46 | 390b | 115 |
| Rowing boats; lights for, under 1960 International Rules | 33 | 1067 | 37 |
| Sound signals by | 33 | 1076 | 42 |
| Rule and rulemaking, definition of | 5 | 1001 | 8 |
| Rules as to list of crew | 46 | 676 | 206 |
| Rules for settlement of wages | 46 | 644 | 210 |
| Rules for shipping articles | 46 | 565 | 200 |
| Rules in regard to effects of deceased seamen | 46 | 622 | 221 |
| Rules of the Road; compliance with, by numbered vessels | 46 | 527e | 24 |
| Exceptions concerning navigation near bridges | 33 | 157a | 28 |
| Great Lakes | 33 | 243 | 29 |
| Inland | 33 | 157 | 27 |
| International Rules, 1960 | 33 | 1061 | 32 |
| International Rules, 1960, annex to | 33 | 1094 | 48 |
| Lights for motorboats | 46 | 526b | 65 |
| Local rules under 1960 International Rules | 33 | 1092 | 47 |
| Passing rules, vessels subject to | 46 | 364 | 78 |
| Pilot Rules not required aboard motorboats | 46 | 526k | 68 |
| Western rivers | 33 | 353 | 31 |
| Safe place of employment; variations from requirements | 33 | 941(d) | 63 |
| Safety certificates. (See certificates of inspection.) | | | |
| Safety certificates under Safety of Life at Sea Convention | 46 | 390c | 115 |
| Safety devices and safeguards | 33 | 941 | 62 |
| Safety of Life at Sea Convention, 1960 Index to | | | C186 |
| Safety of life, promotion of | 14 | 2 | 4 |
| Safety of navigation or commerce; investigations of casualties to promote | 46 | 239(b) | 231 |
| Safety regulations; promulgation and enforcement of | 14 | 2 | 4 |
| Safety valves; cargo vessels, steam | 46 | 405 | 89 |
| Controlled by Coast Guard | 46 | 393 | 113 |
| Obstructing prohibited | 46 | 413 | 113 |
| Towing steam vessels | 46 | 405 | 89 |
| Sailing rules, and steering | 33 | 1078 | 44 |
| Sailing vessels; carrying passengers, inspection of | 46 | 391(c) | 84 |
| Excepted from coastwise laws | 46 | 544 | 142 |
| Fog signals by | 33 | 1076 | 42 |
| Lights for | 33 | 1065 | 36 |
| Lights when operated as motorboat | 46 | 526b(c) | 66 |
| Manning, exceptions for | 46 | 672-1 | 142 |
| Licensing of masters of | 46 | 226 | 159 |
| Licensing of mates of | 46 | 228 | 159 |
| Masters of those over 700 gross tons | 46 | 224 | 147 |
| Mates of those over 700 gross tons | 46 | 228 | 159 |
| Not to hamper safe passage of power-driven vessel in restricted or narrow channel | 33 | 1082(b) | 45 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Sailing vessels—Continued | | | |
| Passenger-carrying | 46 | 390a | 114 |
| Sound signals on fog horns | 33 | 1076 | 42 |
| Steering rules | 33 | 1079 | 44 |
| Sale of effects of deceased seaman | 46 | 621 | 221 |
| Salt rations | 46 | 666 | 195 |
| Salvage vessels, not subject to Dangerous Cargo Act | 46 | 170(6) | 93 |
| Watches not applicable to | 46 | 673 | 140 |
| Samples of dangerous articles or materials | 46 | 170 (4) | 92 |
| Sanction and relief, definition of | 5 | 1001(f) | 9 |
| Sanctions, imposition of | 5 | 1008 | 14 |
| Saving life and property, Coast Guard function | 14 | 88 | 230 |
| Schoolships; approved and conducted under regulations of Commandant, U.S. Coast Guard | 46 | 672(a) | 138, 176 |
| Schoolships, civilian nautical | 46 | 1333 | 117 |
| Screens for side lights | 33 | 1062(a) | 33 |
| Seagoing barge; definition, for manning | 46 | 672(c) | 184 |
| Inspection | 46 | 395 | 97 |
| Manning | 46 | 672b | 183 |
| Towlines, length of | 33 | 152 | 98 |
| Seagoing vessels, propelled by internal-combustion engines, subject to inspection | 46 | 367 | 78 |
| Seal, official, shipping commissioner | 46 | 565 | 200 |
| Seaman; absent without leave, penalties | 46 | 701 | 189 |
| Advances and allotments of wages noted on shipping articles | 46 | 564 | 199 |
| Advances to | 46 | 599 | 214 |
| Agreement as to loss of lien or right to wages prohibited | 46 | 600 | 216 |
| Allotments by | 46 | 599 | 214 |
| Allowances to, for reduction of provisions | 46 | 665 | 194 |
| Capacity in which employed described in shipping articles | 46 | 564 | 199 |
| Carrying sheath knives by, prohibited | 46 | 710 | 157 |
| Certificate of character by master | 46 | 645 | 211 |
| Certificate of service or efficiency | 46 | 672(a) | 138 |
| Certificates of discharge for | 46 | 643(e) | 173, 208 |
| Certificates of identification or continuous discharge books | 46 | 643(g) | 174 |
| Clothing and heat for | 46 | 669 | 196 |
| Clothing exempt from attachment | 46 | 563 | 199 |
| Complaints about provisions or water | 46 | 662 | 193 |
| Continuous discharge books for | 46 | 643 | 173 |
| Crew list to contain names of those allowed to ship on foreign voyages | 46 | 675 | 206 |
| Criminal liability, evidence of | 46 | 239(h) | 232 |
| Cruelty to, prohibited, fine | 18 | 2191 | 61 |
| Deceased, duties of consular officer | 46 | 624 | 222 |
| Deceased, effects distributed by district court | 46 | 627 | 223 |
| Deceased, effects turned over to district court | 46 | 626 | 223 |
| Deceased, within the United States | 46 | 625 | 223 |
| Definition, for manning | 46 | 713 | 147 |
| Demands for wages | 46 | 644 | 210 |
| Deserting, forfeiture by | 46 | 706 | 224 |
| Desertion, penalties | 46 | 701 | 189 |
| Disobedience to lawful command | 46 | 701 | 189 |
| Destitute, disabled or sick, transportation to United States | 46 | 679 | 179 |
| Destitute, in foreign ports | 46 | 678 | 197 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Seaman—Continued | | | |
| Destitute, transportation of, to United States | 46 | 679 | 197 |
| Document, definition | 46 | 239a | 158 |
| Drunkenness by | 18 | 2196 | 156 |
| Effects, logbook entries about | 46 | 201 | 188 |
| Effects of deceased | 46 | 621 | 221 |
| Failing to join ship at time specified in shipping articles | 46 | 576 | 203 |
| Failure to join vessel, penalties | 46 | 701 | 189 |
| Freedom unimpaired | 46 | 672(k) | 183 |
| Identification of | 46 | 643 | 173 |
| Improper discharge, right of wages in case of | 46 | 594 | 212 |
| Incapacitated, discharge before consul | 46 | 683 | 218 |
| Incapacitated, requiring prompt discharge | 46 | 683 | 218 |
| Information about placed in crew list | 46 | 674 | 205 |
| In safe harbor, not required to do unnecessary work on Sundays and holidays | 46 | 673 | 140 |
| Insubordination in foreign country | 46 | 703 | 219 |
| Investigation of acts of incompetency or misconduct by | 46 | 239(b) | 231 |
| Knowingly shipping, without shipping articles | 46 | 568 | 201 |
| Laws applicable to fishing or whaling vessels or yachts | 46 | 690 | 142, 184 |
| Lemon or lime juice for | 46 | 666 | 195 |
| Limit of sum recoverable during voyage by | 46 | 602 | 216 |
| Logbook entries about | 46 | 201 | 188 |
| Lost by desertion or casualty | 46 | 569 | 144, 201 |
| Maintenance and travel expenses back to United States when incapacitated | 46 | 683 | 218 |
| Medicines for | 46 | 666 | 195 |
| Mode of discharge | 46 | 641 | 207 |
| Mutual release of claims for wages signed by | 46 | 644 | 210 |
| Neglect of duty by | 18 | 2196 | 156 |
| Neglect to join ship as required under shipping articles | 46 | 576 | 203 |
| Number in deck department | 46 | 672(a) | 138, 176 |
| Offenses by, entry in logbook | 46 | 702 | 190 |
| Protection and relief | 46 | 653 | 191 |
| Protection and relief of, in foreign port | 46 | 679 | 197 |
| Quitting vessel without leave, penalties | 46 | 701 | 189 |
| Records, kept by Coast Guard | 46 | 643(f) | 174 |
| Recovery of injury to or death of | 46 | 688 | 196 |
| Refusal to sail when vessel is found seaworthy | 46 | 655 | 192 |
| Relief and protection | 46 | 653 | 191 |
| Relief of sick and destitute, unclaimed wages and effects of deceased seamen | 46 | 628 | 224 |
| Replacement of | 46 | 569 | 144, 201 |
| Reshipment, signing shipping articles required | 46 | 572 | 202 |
| Salt ration | 46 | 666 | 195 |
| Sea service, records of | 46 | 643(e) | 173 |
| Shipping articles signed by | 46 | 564 | 199 |
| Shipping articles, vessels in coasting trade | 46 | 574 | 202 |
| Shipping commissioner to superintend engagement and discharge | 46 | 575 | 203 |
| Shipping in foreign ports | 46 | 570 | 201 |
| Shipping to replace those lost by desertion or casualty | 46 | 569 | 144, 201 |
| Slop chest for | 46 | 670 | 196 |
| Soliciting, as lodgers | 46 | 709 | 184 |
| Sugar ration | 46 | 666 | 195 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Seaman—Continued | | | |
| Transportation to place of shipment | 46 | 593 | 212 |
| Unlawful shipment | 46 | 578 | 204 |
| Various offenses by, penalties | 46 | 701 | 156 |
| Vinegar ration | 46 | 666 | 165 |
| Visiting parts of vessels occupied by passengers prohibited | 46 | 157 | 124 |
| Voyage descriptions in shipping articles signed by | 46 | 572 | 202 |
| Wages, accounting as to | 46 | 642 | 208 |
| Wages affected when unlawfully refusing or neglecting to work | 46 | 595 | 213 |
| Wages, appropriation of for court costs | 46 | 707 | 218 |
| Wages, commencement of | 46 | 591 | 212 |
| Wages, consul neglecting to collect when discharging seaman | 46 | 683 | 218 |
| Wages, forfeitures or deductions, enforcement | 46 | 705 | 220 |
| Wages, libel for | 46 | 604 | 217 |
| Wages, libel for, canalboat, exempted | 46 | 611 | 217 |
| Wages, logbook entries about | 46 | 201 | 188 |
| Wages, nonpayment, summons for | 46 | 603 | 216 |
| Wages, partial payment at ports | 46 | 597 | 213 |
| Wages, time for payment | 46 | 596 | 213 |
| Wages, when discharged before consul | 46 | 682 | 218 |
| Wages, when vessel is sold foreign | 46 | 684 | 219 |
| Who cease to be crew members, logbook entries about | 46 | 201 | 186 |
| Working alternatively in deck and engine departments prohibited | 46 | 673 | 145 |
| Searches and seizures, law enforcement | 14 | 80 | 54 |
| Sea service, evidence of | 46 | 643(e) | 226 |
| Seaplane; definition of in 1960 International Rules | 33 | 1061 | 112 |
| International Rules, 1960, applicable to | 33 | 1061 | 112 |
| Lights and shapes displayed when at anchor | 33 | 1071(e) | 111 |
| Lights and shapes displayed when aground | 33 | 1071(f) | 111 |
| Lights required when underway on water | 33 | 1062(b) | 111 |
| On the water, definition of | 33 | 1080(b) | 111 |
| To keep clear of all vessels | 33 | 1082(c) | 111 |
| Stern light for | 33 | 1070 | 111 |
| Towing lights for | 33 | 1063 | 111 |
| Use of flareup light by | 33 | 1079 | 111 |
| When not under command | 33 | 1064(b) | 111 |
| Secretary of Commerce; advisory committee on Great Lakes pilotage | 46 | 2165 | 164 |
| Arrangements with Canada re Great Lakes pilotage, concurrence of Secretary of State | 46 | 216d | 163 |
| Authorized to use Federal facilities on reimbursable basis | 46 | 216f | 165 |
| Civilian nautical school, examination and inspection of | 46 | 1332 | 117 |
| Definition, in regulation of Great Lakes pilots and pilotage | 46 | 216 | 160 |
| Foreign vessels, emergency acquisition of | 50 | 198 | 80 |
| Functions transferred from | | | 1 |
| Mitigate or remit penalties under regulation of Great Lakes pilots and pilotage | 46 | 216e | 163 |
| Operation of vessels acquired under emergency conditions | 50 | 198 | 80 |
| Registration of U.S. pilots for Great Lakes | 46 | 216b | 161 |
| Rules and regulations Great Lakes pilotage | 46 | 216(e) | 161 |

| Subject | U.S. Code | | |
|---|-----------|---------|---------|
| | Title | Section | Page |
| Secretary of Commerce—Continued | | | |
| Suspension or revocation of registration of U.S. pilot, Great Lakes | 46 | 216b | 161 |
| Secretary of Defense, waivers requested by | 46 | 1 | 58 |
| Secretary of the Interior, definition | 43 | 1331(b) | 56 |
| Secretary of labor; definition of | 33 | 902 | 62 |
| Investigations by | 33 | 941(b) | 62 |
| Safety rules, authorized | 33 | 941 | 62 |
| Studies by | 33 | 941(b) | 62 |
| Secretary of the Navy; orders of, Coast Guard subject to | 14 | 3 | 5 |
| Prescribe distinguishing insignia for members in U.S. Naval Reserve who are licensed officers | 46 | 1131(b) | 143 |
| Staff officers who are members of U.S. Naval Reserve, wearing insignia approved by | 46 | 245 | 171 |
| Secretary of State; instructions regarding destitute seamen | 46 | 678 | 197 |
| Written arrangements between Canada and United States re Great Lakes pilotage, currency of | 46 | 216d | 160 |
| Secretary of the Treasury; appeals from inspection requirements | 46 | 391(d) | 84 |
| Boilers and machinery | 46 | 392 | 85 |
| Casualties, etc., reported to, under Motorboat Act | 46 | 526(L) | 68, 227 |
| Dangerous cargoes | 46 | 170 | 92 |
| Definition | 14 | 5 | 5 |
| Definition, under denial or revocation of seamen's documents | 46 | 239a | 231 |
| Delegation of powers authorized | 14 | 631 | 6 |
| Delegation of functions, T.D. Order 120 | | | 4 |
| Delegation of functions, T.D. Order 167-14 | | | 81 |
| Delegation of functions, T.D. Order 167-15 | | | 57 |
| Delegation of functions, T.D. Order 167-17 | | | 7 |
| Delegation of functions, T.D. Order 167-20 | | | 116 |
| Delegation of functions, T.D. Order 167-32 | | | 75 |
| Delegation of functions, T.D. Order 167-33 | | | 31 |
| Delegation of functions, T.D. Order 167-38 | | | 87 |
| Delegation of functions, T.D. Order 167-48 | | | 131 |
| Delegation of functions, T.D. Order 167-58 | | | 28 |
| Delegation of functions, T.D. Order CGFR 51-1 | | | 58 |
| Delegation of functions, T.D. Order CGFR 56-28 | | | 85 |
| Firefighting equipment and precautionary measures | 46 | 481 | 86 |
| Functions | 14 | 92 | 5 |
| General powers | 46 | 391 | 84 |
| Hulls and equipment | | | |
| Lifesaving equipment and precautionary measures | 46 | 481 | 86 |
| Lights for Coast Guard vessels, exemptions regarding, 1945 act | 33 | 360 | 32 |
| Lights for Coast Guard vessels, exemptions regarding, 1948 act | 33 | 356 | 31 |
| Lights, signals, etc., for vessels operating under or near bridges | 33 | 157a | 28 |
| Loadlines, coastwise | 46 | 88a | 132 |
| Loadlines, oceangoing vessels | 46 | 85a | 127 |
| Mechanically propelled vessels | 46 | 404 | 88 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Secretary of the Treasury—Continued | | | |
| Motorboat operators when carrying passengers for hire | 46 | 526f | 67 |
| Pilot Rules—Western Rivers | 33 | 353 | 31 |
| Regulations regarding accident assistance | 46 | 526L | 68, 227 |
| Reinspection of vessels | 46 | 435 | 100 |
| Reports on navigation laws to | 46 | 4 | 21 |
| Rules and regulations artificial islands and fixed structures on Outer Continental Shelf | 43 | 1333(e) | 56 |
| Rules and regulations collection and handling fees for deaths of steerage passengers | 46 | 159 | 124 |
| Rules and regulations, promulgation | 14 | 633 | 6 |
| Small passenger vessels | 46 | 390(d) | 114 |
| Small passenger vessel functions | 46 | 390a | 114 |
| Vessels, foreign, documented for coastwise trade | 50 | 198 | 80 |
| Waivers of navigation and vessel inspection laws | 46 | 1 | 58 |
| Sections of United States Code in pamphlet | | | 239 |
| Seizures; by Treasury Department officers | 19 | 1581 | |
| Separability of laws | 46 | 691 | 184 |
| Service of rules; Administrative Procedure Act requirements | | | |
| Services; persons in need, furnishing | 5 | 1003(c) | 10 |
| Shapes and lights | 14 | 88 | 230 |
| Shipment and discharge of merchant seamen; before Coast Guard officials | 33 | 1062 | 33 |
| Before customs officials | 46 | 643 | 173 |
| Crews | 46 | 643(k) | 175, 209 |
| Not applicable to vessels on certain voyages | 46 | 583 | 199 |
| Not applicable to unrigged vessels except sea-going barges | 46 | 643(L) | 175, 209 |
| Shipping commissioner duties to superintend | 46 | 643a | 176 |
| Shipment and discharge of merchant seamen | 46 | 545 | 204 |
| Arbitration of disputes by shipping commissioner | 46 | 643 | 173 |
| Shipment of seamen, only those in certified crew lists allowed to sail foreign | 46 | 651 | 211 |
| Shipment, unlawful, void | 46 | 675 | 206 |
| Shipping agreements between master and crew | 46 | 578 | 204 |
| Shipping articles; allotments of wages contained in | 46 | 563 | 199 |
| Certificate of acknowledgement, form of | 46 | 599 | 214 |
| Consular's endorsement re shipping seamen in foreign ports | 46 | 565 | 200 |
| Copy posted for information of crew | 46 | 570 | 201 |
| Entries on, regarding insubordination of seamen, by consul | 46 | 577 | 203 |
| Exceptions to, for certain vessels | 46 | 703 | 219 |
| Notations regarding deceased seamen | 46 | 565 | 200 |
| Reshipment of seamen, signed on, in foreign port | 46 | 622 | 221 |
| Rules for | 46 | 573 | 202 |
| Scale of provisions set forth in | 46 | 565 | 200 |
| Seamen's capacity in which employed noted on | 46 | 584 | 199 |
| Seamen replacing those lost by desertion or casualty | 46 | 564 | 199 |
| Shipment of seamen without signing, penalties | 46 | 569 | 144 |
| Shipping commissioner's seal on | 46 | 567 | 201 |
| Ship's regulations, in | 46 | 565 | 200 |
| | 46 | 564 | 199 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Shipping articles—Continued | | | |
| Stipulations regarding abandonment of right to wages | 46 | 600 | 216 |
| Time for payment of wages under | 46 | 596 | 213 |
| Unlawful shipment void | 46 | 578 | 204 |
| Vessels in coasting trade | 46 | 574 | 202 |
| Vessels required to enter into | 46 | 564 | 199 |
| Vessels sold foreign, presented to consul | 46 | 684 | 219 |
| Voyage description and other data required in | 46 | 564 | 199 |
| Wages of seamen whose services are terminated before period or voyage ends | 46 | 593 | 212 |
| Shipping casualty, evidence of criminal liability | 46 | 239(h) | 232 |
| Shipping commissioner; allotments examined and enforced by | 46 | 599 | 214 |
| Apprentices, duties regarding | 46 | 561 | 205 |
| Arbiter of problems submitted by master and crew members | 46 | 651 | 211 |
| Certificates of discharge issued by | 46 | 643(e) | 173, 208 |
| Certificates regarding deceased seamen, issued by | 46 | 622 | 221 |
| Complaints about provisions or water made to | 46 | 662 | 193 |
| Continuous discharge books, entries in | 46 | 643(d) | 173 |
| Crews shipped before | 46 | 563 | 199 |
| Deceased seamen's effects turned over to district court by | 46 | 626 | 223 |
| Deceased seamen, responsibilities and duties regarding | 46 | 622 | 221 |
| Deceased seamen within the United States, duties and responsibilities | 46 | 625 | 223 |
| Deserting seamen; clothes, effects and wages, forfeited by, responsibilities regarding | 46 | 706 | 224 |
| Discharging seamen | 46 | 641 | 207 |
| Duties | 46 | 545 | 204 |
| Duties performed by collectors of customs, masters, etc | 46 | 643(k) | 175, 209 |
| Fees for furnishing merchant seamen prohibited | 46 | 542a | 24 |
| Master performing duties of | 46 | 546 | 204 |
| May ship and discharge crews of vessels in coastwise trade | 46 | 646 | 211 |
| Mutual discharge and settlement of claims of wages supervised by | 46 | 644 | 210 |
| Mutual release signed in presence of | 46 | 644 | 210 |
| Official seal of | 46 | 565 | 200 |
| Personating, penalty for | 46 | 546 | 204 |
| Register of character certificates of seamen maintained | 46 | 645 | 211 |
| Shipping articles, rules for | 46 | 565 | 200 |
| When customs officials may serve as | 46 | 543 | 24 |
| Shipping; control in order to safeguard naval vessels | 14 | 91 | 51 |
| Documents and papers; inspection by Coast Guard | 14 | 89 | 50 |
| Papers; dangerous cargoes | 46 | 170(7) | 93 |
| Papers; tank vessels | 46 | 391a(5) | 91 |
| Seamen replacing those lost by desertion or casualty | 46 | 569 | 144, 201 |
| Shippers and consignees described on shipping papers, tank vessels | 46 | 391a(5) | 91 |
| Ship's lifeboats, numbering of | 46 | 527a | 71 |
| Ships of war; lights and shapes used by | 33 | 1073 | 41 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Ship's signal and emergency equipment, transportation of | 46 | 170(4) | 92 |
| Ship's stores; flammable or combustible liquids as | 46 | 391a(1) | 89 |
| Transportation of | 46 | 170 | 92 |
| Short blast, definition of, Rules of the Road | 33 | 1061(c) | 33 |
| Side lights, motorboats | 46 | 526(b) | 65 |
| Signalling apparatus, between engineroom and pilothouse | 46 | 473 | 108 |
| Signals; bend | 33 | 1087 | 46 |
| Distress, under 1960 International Rules | 33 | 1093 | 47 |
| Distress, transportation of | 46 | 170(4) | 92 |
| Lights and shapes of vessels | 33 | 1064(g) | 36 |
| Rules of the Road, definitions | 33 | 1061(c) | 32 |
| Slop chest | 46 | 670 | 196 |
| Small passenger-carrying vessels | 46 | 390 | 114 |
| Small vessels, lights for | 33 | 1067 | 37 |
| Smuggling, by seaman, penalties | 46 | 701 | 189 |
| Soliciting seamen as lodgers | 46 | 709 | 184 |
| Sound-producing devices or whistles for motorboats | 46 | 526c | 66 |
| Sound signals; and conduct in restricted visibility | 33 | 1076 | 42 |
| Bend | 33 | 1087(b) | 46 |
| Indicating course, meaning of | 33 | 1090(a) | 46 |
| Radar does not relieve vessel from giving | 33 | 1075 | 42 |
| Visual signals shown simultaneously | 33 | 1090 | 46 |
| When in doubt of action of other vessel | 33 | 1090 | 46 |
| Special permit for excursions | 46 | 453 | 101 |
| Specifications and plans for passenger vessels | 46 | 369 | 104 |
| Speed in weather restricting visibility | 33 | 1077 | 43 |
| Sprinkler systems, passenger vessels | 46 | 369 | 104 |
| Stability of vessels; loadlines | 46 | 85a | 127 |
| Loadlines, coastwise | 46 | 88a | 132 |
| Staff officers; certificates of registry | 46 | 242 | 170 |
| Stairways and gangways | 46 | 477 | 108 |
| Stamps for marking steel or iron plates | 46 | 409 | 112 |
| Starboard light | 33 | 1062(a) | 33 |
| Starboard light for motorboat | 46 | 526b | 65 |
| State; agreements with Coast Guard about enforcement | 46 | 527f | 74 |
| Defined, in Motorboat Act | 46 | 526u | 70 |
| Federal agreements | 46 | 527f | 74 |
| Governments; not to impede pilots licensed by Federal Government | 46 | 215 | 160 |
| Jurisdiction; Outer Continental Shelf | 43 | 1333 | 56 |
| Laws; applicability to submerged lands off coasts | 43 | 1333 | 56 |
| Laws enforcement provisions | 46 | 527h | 73 |
| Numbering of undocumented vessels | 46 | 527a | 71 |
| Readiness in time of war | 14 | 2 | 4 |
| Regulation of pilots prohibited on Great Lakes | 46 | 216g | 164 |
| Regulations as to licenses of pilots and pilot charges | 46 | 215 | 160 |
| Regulations regarding dangerous cargoes | 46 | 170 | 92 |
| System of numbering | 46 | 527a | 71 |
| Tax laws and withholding of taxes | 46 | 601 | 216 |
| Vessels, numbering of | 46 | 527a | 71 |
| Where undocumented vessel is principally used | 46 | 527a(b) | 71 |
| Statement of general course of business by agency, publication of | 5 | 1002(a) | 9 |
| Steam generators construction | 46 | 407 | 111 |
| Steam launches, manning of | 46 | 404 | 88 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Steam propelled motorboats, inspection of | 46 | 526 | 65 |
| Steam vessels; approved equipment for | 46 | 489 | 88 |
| Boilers, etc., to be inspected | 46 | 392 | 85 |
| Boilers; design, construction, and materials for | 46 | 411 | 111 |
| Carrying persons not passengers | 46 | 458 | 101 |
| Certificate of inspection | 46 | 399 | 98 |
| Coastwise, pilotage | 46 | 215 | 160 |
| Crew accommodations | 46 | 660-1 | 102 |
| Engineers of, licensing | 46 | 229 | 166 |
| Excepted from certain laws when on certain voyages | 46 | 544 | 142 |
| Inspection required | 46 | 361 | 77 |
| Licensing and classifying officers of | 46 | 224 | 147 |
| Masters of, licensing | 46 | 226 | 159 |
| Mates of, licensing | 46 | 228 | 159 |
| Motorboats considered as | 46 | 526 | 65 |
| Name exhibited on pilothouse | 46 | 493 | 82 |
| Pilots, licensed by State for | 46 | 215 | 160 |
| Pilots of, licensing | 46 | 214 | 159 |
| Radio officers, licensing of | 46 | 229b | 167 |
| Reinspections | 46 | 435 | 100 |
| River, anchored when navigation is unsafe | 46 | 480 | 109 |
| Stairways and gangways | 46 | 477 | 108 |
| Vessels, carrying flammable or combustible liquids in bulk, considered as | 46 | 391a | 89 |
| Watertight bulkheads required | 46 | 483 | 106 |
| What are | 46 | 361 | 77 |
| Steelplates; boiler construction | 46 | 406 | 111 |
| Inspection standards | 46 | 408 | 112 |
| Testing standards | 46 | 408 | 112 |
| Unfired pressure vessels | 46 | 406 | 111 |
| Steerage passengers | 46 | 151 | 119 |
| Berths for | 46 | 151 | 119 |
| Death of | 46 | 159 | 124 |
| Deck space allotted to | 46 | 151 | 119 |
| Definition of | 46 | 151 | 119 |
| Food for | 46 | 154 | 122 |
| Hospitals for | 46 | 155 | 123 |
| Light, air, cooking, and toilet facilities for | 46 | 153 | 121 |
| List of, presented boarding officer or customs | 46 | 158 | 124 |
| Navy rations | 46 | 154 | 122 |
| Space for exercise | 46 | 156 | 123 |
| Surgeon for | 46 | 155 | 123 |
| Steering and navigating apparatus for passenger-carrying vessels | 46 | 473 | 108 |
| Steering and sailing rules | 33 | 1078 | 44 |
| Applicable when vessels are in sight of each other | 33 | 1078 | 44 |
| Duty to slacken speed, reverse, or stop | 33 | 1085 | 45 |
| General considerations | 33 | 1078 | 44 |
| Motorboats not to hamper vessels in channels | 33 | 1087(e) | 46 |
| Overtaking vessel to keep out of way | 33 | 1086 | 45 |
| Power-driven vessels crossing | 33 | 1081 | 45 |
| Power-driven vessels meeting end on | 33 | 1080 | 44 |
| Power-driven vessels in narrow channels | 33 | 1087 | 46 |
| Power-driven vessels nearing bends in channels | 33 | 1087(b) | 46 |
| Power-driven vessels to keep out of way of sailing vessel | 33 | 1082 | 45 |
| Right-of-way of fishing vessels | 33 | 1088 | 46 |
| Sailing vessels approaching one another; windward side | 33 | 1079 | 44 |

| Subject | U.S. Code | | |
|--|-----------|---------|---------|
| | Title | Section | Page |
| Steering and sailing rules—Continued | | | |
| Special circumstances requiring departure from vessel crossing ahead of vessel having right-of-way | 33 | 1089 | 46 |
| Vessels to keep out of way of another | 33 | 1084 | 45 |
| Vessels having right-of-way | 33 | 1083 | 45 |
| Steering, navigating and signaling apparatus | 46 | 473 | 108 |
| Stern light | 33 | 1062(a) | 33 |
| Motorboats | 33 | 1067(b) | 37 |
| Requirements for | 33 | 1070 | 40 |
| Sailing vessel | 33 | 1065 | 35 |
| Steward, investigation of illegal acts by | 46 | 239(d) | 231 |
| St. Mary's River, rules and regulations governing | 33 | 474 | 30 |
| Stopping vessels, immunity of Coast Guard officers | 14 | 637 | 54 |
| Stores, ship; neglect to provide | 46 | 661 | 193 |
| Petroleum in double bottoms | 46 | 467 | 110 |
| Stowage, firefighting and lifesaving equipment | 46 | 481 | 86 |
| Stowaways on vessels or aircraft, fines | 18 | 2199 | 60 |
| Submarine cable-laying vessel; fog signals sounded by | 33 | 1076 | 42 |
| Lights and shapes displayed | 33 | 1071(d) | 41 |
| Lights and shapes for | 33 | 1064(c) | 35 |
| Submergence of coastwise loadlines | 46 | 88c | 133 |
| Submergence of loadlines | 46 | 85c | 128 |
| Subpenas; and production of evidence | 5 | 1005(c) | 12 |
| Witnesses and documents, etc., authorized | 46 | 239(e) | 232 |
| Subsidized vessels; citizenship of officers and crews | 46 | 1132 | 145 |
| Manning and wage scales, posted on | 46 | 1131 | 142 |
| Sugar, rations | 46 | 666 | 195 |
| Sundays, overtime services performed on | 46 | 382b | 21 |
| Unnecessary work on by seamen | 46 | 673 | 140 |
| Sunken vessels, destruction or towing into port | 14 | 88 | 230 |
| Surgeon, vessel carrying steerage passengers | 46 | 155 | 123 |
| Surgeons, registration of, as staff officers | 46 | 242 | 170 |
| Suspension and revocation proceedings; adjudications | 5 | 1004 | 10 |
| Appeals | 46 | 239(g) | 157 |
| Authority for | 46 | 239(g) | 157 |
| Certificates of registry as staff officers | 46 | 246(c) | 172 |
| Counsel permitted | 46 | 239(g) | 157 |
| Engineers licenses | 46 | 229 | 166 |
| Imposition of sanctions | 5 | 1008 | 14 |
| Initial decisions | 5 | 1007 | 13 |
| Judicial review | 5 | 1009 | 15 |
| Master's license, if using unlawful length of towline | 33 | 153 | 98 |
| Master's licenses | 46 | 226 | 159 |
| Mate's licenses | 46 | 228 | 159 |
| Merchant mariners documents as certificates of identification; service or efficiency | 46 | 672(h) | 183 |
| Motorboat operator's license | 46 | 526f | 67 |
| Notice of time, place, and subject | 46 | 239(g) | 157 |
| Officer's failure to assist in inspections | 46 | 234 | 23, 156 |
| Pilot's licenses | 46 | 214 | 159 |
| Pilots, registered, for Great Lakes | 46 | 216b | 161 |
| Presiding officers | 5 | 1006 | 12 |
| Radio officers licenses | 46 | 229c | 167 |
| Records of testimony and findings | 46 | 239(g) | 157 |
| Regulations governing | 46 | 239(j) | 233 |
| Refusal to serve or perform his official duties | 46 | 240 | 157 |

| Subject | U.S. Code | | |
|---|-----------|---------|------|
| | Title | Section | Page |
| Suspension and revocation proceedings—Continued | | | |
| Review of initial decisions | 5 | 1007 | 13 |
| Tankerman | 46 | 391a(6) | 91 |
| Suspension of certificate of inspection | 46 | 435 | 100 |
| Passenger vessel not in compliance with approved plans and specifications | 46 | 369 | 104 |
| Suspension of laws, rules, and regulations | 46 | 82 | 58 |
| Suspension, manning subsidized vessels | 46 | 1132(h) | 59 |
| Suspension of provisions as to watch officers | 46 | 236 | 58 |
| Table listing laws by United States Code sections | | | 239 |
| Table listing Revised Statutes | | | 235 |
| Tanker Act | 46 | 391a | 89 |
| Not amended or altered by Motorboat Act | 46 | 526r | 70 |
| Tankerman certificate | 46 | 391a(6) | 91 |
| Tank vessels; applicability of Dangerous Cargo Act | | | |
| to | 46 | 170(1) | 92 |
| Inspection required | 46 | 391a | 89 |
| Officers, number, required | 46 | 391a(6) | 91 |
| Permit endorsed on certificate of inspection | 46 | 391a(4) | 90 |
| Plans approved by American Bureau of Shipping | 46 | 391a(4) | 90 |
| Tankermen on, to be certificated | 46 | 391a | 89 |
| Temporary certificate of inspection | 46 | 399 | 98 |
| Tests; inspection, for foreign vessels admitted to registry | 46 | 366 | 79 |
| Three-watch system for certain vessels | 46 | 673 | 140 |
| Time for payment of wages | 46 | 596 | 213 |
| Time of publication or service of rules | 5 | 1003(c) | 10 |
| Towing lights and shapes | 33 | 1063 | 35 |
| Towing vessels; able seamen, exceptions | 46 | 672b | 183 |
| Fog signals by | 33 | 1076 | 42 |
| Hours of labor for Great Lakes limited to 8 hours | 46 | 673 | 140 |
| Inspection when propelled by steam | 46 | 405 | 89 |
| Lights for, St. Lawrence River | 33 | 256 | 29 |
| Not subject to Dangerous Cargo Act | 46 | 170(b) | 93 |
| On voyages of less than 600 miles | 46 | 673 | 140 |
| When guest is not a passenger | 46 | 390(a) | 114 |
| Towlines, length of | 33 | 152 | 98 |
| Transcript of evidence | 5 | 1005(b) | 12 |
| Transcript of records at hearings | 5 | 1006(d) | 12 |
| Transfer and transportation of fishing catch of other vessels | 46 | 404a | 89 |
| Transfer of functions to the Secretary of the Treasury | | | 3 |
| Transfer of ownership of undocumented vessel | 46 | 527a | 71 |
| Transportation of destitute seamen to United States | 46 | 679 | 197 |
| Transportation of seamen to place of shipment, when required | 46 | 593 | 212 |
| Trawling, lights and shapes for vessels engaged in | 33 | 1069 | 39 |
| Treasury Department, Coast Guard a bureau of | 14 | 1 | 4 |
| Treasury Department Order 120 | | | 4 |
| Order 167-14 | | | 81 |
| Order 167-15 | | | 57 |
| Order 167-17 | | | 7 |
| Order 167-20 | | | 116 |
| Order 167-32 | | | 75 |
| Order 167-33 | | | 31 |
| Order 167-38 | | | 87 |
| Order 167-48 | | | 131 |
| Order 167-58 | | | 28 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Treasury Department—Continued | | | |
| Order CGFR 51-1 | | | 58 |
| Order CGFR 56-28 | | | 85 |
| Treaties; applicable to tank vessels | 46 | 391a(4) | 90 |
| Triennial inspections; small passenger | 46 | 390a | 114 |
| Trinitrotoluene, transportation of | 46 | 170 | 92 |
| Tsimpsan or Haida Tribe of Indians | 46 | 237 | 155 |
| Tugboats and towboats not motorboats if propelled by steam | 46 | 526 | 65 |
| Tugboats, steam | 46 | 405 | 89 |
| Unauthorized fees for inspection of vessels | 18 | 1912 | 22 |
| Underway, definition of, Rules of the Road | 33 | 1061(c) | 33 |
| Undocumented vessels, numbering system for identification | 46 | 527a | 71 |
| Unfired pressure vessels; constructed of iron, steel, or other metals | 46 | 406 | 111 |
| Construction and design requirements | 46 | 411 | 111 |
| Exemption for those having diameters 30 inches or less | 46 | 408 | 112 |
| Inspections | 46 | 392 | 85 |
| Materials for | 46 | 411 | 111 |
| Materials used not meeting requirements | 46 | 407 | 111 |
| Uniformity of laws, rules, and regulations: Congressional policy | 46 | 527f | 74 |
| United States Code, table listing sections printed | | | 239 |
| United States district courts, jurisdiction over violations of Longshoremen's and Harborworkers' Compensation Act | 33 | 941(e) | 63 |
| United States Government employees, investigation of performance of duties | 46 | 239(d) | 231 |
| United States registered pilot, definition | 46 | 216 | 160 |
| Unlawful shipments of seamen void | 46 | 578 | 204 |
| Unrigged vessel, definition | 46 | 672c | 184 |
| Definition, in connection with Officers' Competency Certificates Convention, 1936 | 46 | 224a | 149 |
| Except seagoing barges, shipment and discharge of seamen, not applicable to | 46 | 643a | 17 |
| Exempt from inspection of crew quarters | 46 | 660b | 103 |
| Manning exceptions | 46 | 672b | 183 |
| Unseaworthy vessel, complaints | 46 | 653 | 191 |
| In foreign ports | 46 | 656 | 192 |
| Payment of charges for inspection of vessel | 46 | 659 | 193 |
| Use of flammable or combustible fuel | 46 | 170a | 97 |
| Use of instruments for security of life to be approved | 46 | 489 | 88 |
| Use of radar information, recommendation | 33 | 1094 | 48 |
| Valves, formulas for | 46 | 411 | 111 |
| Maximum allowable working pressures | 46 | 411 | 111 |
| Minimum thickness | 46 | 411 | 111 |
| Safety, control of | 46 | 393 | 113 |
| Safety, obstructing | 46 | 413 | 113 |
| Ventilation of engine and fuel compartment bilges or motorboats and vessels using volatile fuels | 46 | 526j | 68 |
| Ventilators, for steerage passengers | 46 | 153 | 121 |
| Vessel; able seamen required | 46 | 672(a) | 138, 176 |
| Accommodations for steerage passengers | 46 | 151 | 119 |
| Actual line of safety, re loadlines | 46 | 85a | 127 |
| Aground; lights and shapes displayed | 33 | 1071 | 40 |
| Aground, sound signals by | 33 | 1076 | 42 |
| Allowance for reduction of provisions | 46 | 665 | 194 |

| Subject | U.S. Code | | |
|--|-----------|---------|------|
| | Title | Section | Page |
| Vessel—Continued | | | |
| Alteration of courses in meeting situations | 33 | 1094 | 48 |
| American Bureau of Shipping re loadlines for | 46 | 85b | 127 |
| Anchor light and shapes displayed | 33 | 1071 | 40 |
| Approved equipment for | 46 | 489 | 88 |
| Assistance to be rendered when casualty occurs | 33 | 367 | 227 |
| Barges, inspection required | 46 | 395 | 97 |
| Being pushed ahead; lights and shapes for | 33 | 1065(c) | 36 |
| Being towed; shape to be displayed | 33 | 1065(d) | 37 |
| Berths for passengers, steerage | 46 | 152 | 120 |
| Biennial inspection | 46 | 391 | 84 |
| Bilge systems | 46 | 481 | 86 |
| Boarding by Coast Guard authorized | 14 | 89 | 50 |
| Boarding by Coast Guard officers | 46 | 527e(c) | 51 |
| Boiler and machinery inspections | 46 | 391 | 84 |
| Cargo, steam, inspection of | 46 | 405 | 89 |
| Carrying emigrant passengers from United States | 46 | 161 | 126 |
| Carrying passengers for hire, Motorboat Act | 46 | 526f | 67 |
| Carrying passengers, means of escape | 46 | 477 | 108 |
| Carrying passengers, number allowable | 46 | 451 | 106 |
| Carrying passengers, steering apparatus for | 46 | 473 | 108 |
| Carrying sheath knives aboard by seamen prohibited | 46 | 710 | 157 |
| Carrying steerage passengers, accommodations for | 46 | 151 | 119 |
| Carrying steerage passengers and animals | 46 | 156a | 126 |
| Carrying steerage passengers, boarding on arrival | 46 | 158 | 124 |
| Carrying steerage passengers; clearance papers withheld | 46 | 161 | 126 |
| Carrying steerage passengers; death of passengers | 46 | 159 | 124 |
| Carrying steerage passengers, discipline and cleanliness | 46 | 156 | 123 |
| Carrying steerage passengers; fines and penalties | 46 | 162 | 126 |
| Carrying steerage passengers, food for | 46 | 154 | 122 |
| Carrying steerage passengers; hospitals, surgeons, and medicines | 46 | 155 | 123 |
| Carrying steerage passengers; inspections and examination by customs and their reports | 46 | 160 | 125 |
| Carrying steerage passengers; lights, air, and accommodations for passengers | 46 | 153 | 121 |
| Carrying steerage passengers; seamen prohibited from visiting areas occupied by passengers | 46 | 157 | 124 |
| Carrying steerage passengers; space for exercising passengers | 46 | 156 | 123 |
| Certificate of inspection | 46 | 399 | 98 |
| Certificate of inspection, based on examinations | 46 | 391 | 84 |
| Certificate of inspection, valid, required in order to navigate lawfully | 46 | 399 | 98 |
| Civilian nautical schoolships | 46 | 1333 | 117 |
| Classification society re loadlines | 46 | 85b | 127 |
| Clearance withheld for Load Line Act violations | 46 | 85f | 129 |
| Clothing and heat for crew members | 46 | 669 | 196 |
| Coastwise, seagoing, subject to navigation laws | 46 | 364 | 78 |
| Collision with another vessel | 33 | 367 | 227 |
| Commerce Department, subject to inspection | 46 | 363 | 78 |

| Subject | U.S. Code | | |
|--|-----------|---------|------|
| | Title | Section | Page |
| Vessel—Continued | | | |
| Complaint about provisions or water | 46 | 662 | 193 |
| Complaint that it is unseaworthy | 46 | 653 | 191 |
| Complement of officers and crew | 46 | 222 | 137 |
| Conduct in restricted visibility | 33 | 1075 | 42 |
| Crew accommodations | 46 | 660-1 | 102 |
| Crew list, certified copy, furnished boarding officer | 46 | 677 | 207 |
| Crew lists for collector | 46 | 674 | 205 |
| Crew lists, rules governing | 46 | 676 | 206 |
| Crew, percentage to be U.S. citizens | 46 | 672a(b) | 145 |
| Crew quarters inspected | 46 | 660a | 103 |
| Crew required to be signed on in presence of shipping commissioner | 46 | 563 | 199 |
| Deceased seamen | 46 | 621 | 221 |
| Definition, for carriage of explosives, etc | 46 | 170 | 92 |
| Definition, for manning | 46 | 713 | 147 |
| Definition, in Federal Boating Act | 46 | 527 | 71 |
| Definition in 1960 International Rules | 33 | 1061(c) | 33 |
| Detention, Load Line Act | 46 | 85f | 129 |
| Detention; officer requirements | 46 | 224a | 149 |
| Detention; on coastwise voyages | 46 | 88f | 134 |
| Detention; under Dangerous Cargo Act | 46 | 170(13) | 95 |
| Discharge of seamen in presence of shipping commissioner | 46 | 641 | 207 |
| Documents and paper examined by Coast Guard | 14 | 89 | 50 |
| Documentation denied if not inspected | 46 | 496 | 50 |
| Documentation of | 46 | 2 | 20 |
| Draft marks exhibited | 46 | 48 | 82 |
| Electrical equipment inspection | 46 | 392 | 85 |
| Engaged in fishing, definition of | 33 | 1061(c) | 33 |
| Engaged in taking oysters | 46 | 598 | 220 |
| Engaged in underwater operations, lights and shapes displayed when at anchor | 33 | 1071(d) | 41 |
| Entries in logbooks re loadlines and vessels actual drafts | 46 | 85e | 129 |
| Entries of offenses by seamen in logbooks of | 46 | 702 | 190 |
| Equipment inspection | 46 | 391 | 84 |
| Examination after complaints about food or water | 46 | 662 | 193 |
| Examination by surveyors on complaint of unseaworthiness | 46 | 654 | 191 |
| Exceptions for, when in coastwise trade | 46 | 544 | 142 |
| Exemptions under Dangerous Cargo Act | 46 | 170(11) | 95 |
| Explosives or dangerous weapons aboard without permission, fine | 18 | 2277 | 61 |
| Fire extinguishers required by Motorboat Act | 46 | 526g | 67 |
| Fishing, exempted from inspection | 46 | 367 | 78 |
| Fishing, lights and shapes for | 33 | 1069 | 39 |
| Fog signals sounded by | 33 | 1076 | 42 |
| Foreign, acquired under emergency conditions | 50 | 198 | 80 |
| Foreign-going, clearance if crew member is deceased | 46 | 622 | 221 |
| Great Lakes, operation without registered pilots | 46 | 216f | 164 |
| Great Lakes, pilotage | 46 | 216a | 161 |
| Great Lakes, subject to navigation laws | 46 | 364 | 78 |
| Handling submarine cable or navigation mark | 33 | 1064(c) | 35 |
| Hull inspection | 46 | 391 | 84 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Vessel—Continued | | | |
| In coasting trade; master performing shipping commissioner duties | 46 | 546 | 204 |
| In coasting trade; shipment and discharge of crews | 46 | 646 | 211 |
| In coasting trade; shipping articles for | 46 | 574 | 202 |
| In coastwise trade; shipment and discharge of crews | 46 | 646 | 211 |
| Indian ownership of | 46 | 237 | 155 |
| In foreign ports, reports on complaints of unseaworthiness | 46 | 657 | 192 |
| In foreign port, vessel unseaworthy complaint | 46 | 656 | 192 |
| Insubordination of seamen in foreign country | 46 | 703 | 219 |
| Knowingly shipping seamen without articles, penalties | 46 | 568 | 201 |
| Laid up, dismantled, and out of commission | 46 | 391(e) | 85 |
| Liable for violations of Title 52, Revised Statutes | 46 | 497 | 79 |
| Libel for wages | 46 | 604 | 217 |
| Lifesaving devices required by Motorboat Act | 46 | 526e | 66 |
| Lights and shapes for | 33 | 1062 | 33 |
| Lights and shapes displayed when aground | 33 | 1071(e) | 41 |
| Lights and shapes displayed when at anchor | 33 | 1071 | 40 |
| Loaded so as not to submerge loadline marks | 46 | 85c | 128 |
| Loading, maximum allowed | 46 | 85a | 127 |
| Loading so as to submerge coastwise loadlines | 46 | 88c | 133 |
| Loadline, coastwise, regulations | 46 | 88b | 132 |
| Loadlines for oceangoing | 46 | 85 | 127 |
| Logbook entries re coastwise loadlines, and drafts of vessel | 46 | 88e | 133 |
| Logbooks required | 46 | 201 | 188 |
| Longshoremen's and Harborworkers Compensation Act | 33 | 941(g) | 64 |
| Loss of, report | 33 | 362 | 229 |
| Manning | 46 | 222 | 137 |
| Manning, exceptions for fishing or whaling vessels or yachts | 46 | 690 | 142, 184 |
| Marine casualties | 46 | 239 | 231 |
| Marine casualty reports involving submittal of | 33 | 361 | 228 |
| Marine engineering | 46 | 411 | 111 |
| Marking loadlines | 46 | 85b | 127 |
| Marking loadlines, coastwise | 46 | 88b | 132 |
| Master, licensed, required | 46 | 223 | 137 |
| Master or owner neglecting to provide sufficient stores | 46 | 661 | 193 |
| Master, U.S. citizenship required under manning law | 46 | 713 | 147 |
| Material factors considered for loadlines | 46 | 85a | 127 |
| Mates, licensed, required | 46 | 223 | 137 |
| Mates, licensed, when engaged on voyages of less than 400 miles | 46 | 223 | 137 |
| Mechanically propelled, above 15 gross tons, and carrying freight for hire inspection of | 46 | 404 | 88 |
| Mechanically propelled, subject to inspection | 46 | 387 | 78 |
| Medicines, chest of | 46 | 666 | 195 |
| Members of engine department | 46 | 672(e) | 139 |
| Moderate speed in fog, etc | 33 | 1077 | 43 |
| Motorboat | 46 | 526 | 65 |
| Muster of crew | 46 | 672(d) | 141 |
| Name and home port exhibited on | 46 | 46 | 82 |

| Subject | U.S. Code | | |
|---|-----------|---------|---------|
| | Title | Section | Page |
| Vessel—Continued | | | |
| Name exhibited on pilothouse | 46 | 493 | 82 |
| Navigating Irondequoit Bay, N.Y., to be inspected | 46 | 365 | 81 |
| Neglect of duty by seamen aboard | 18 | 2196 | 156 |
| Negligent or reckless operation of | 46 | 526L | 68, 227 |
| Not subject to Dangerous Cargo Act | 46 | 170(6) | 93 |
| Not under command; fog signals sounded by | 33 | 1076 | 42 |
| Numbering of those documented | 46 | 45 | 83 |
| Officers to assist in the inspection | 46 | 234 | 23, 156 |
| On Great Lakes and inland waters carrying persons not passengers | 46 | 458 | 101 |
| On foreign voyages, filling vacancies in crew | 46 | 672a(c) | 145 |
| Operating-differential subsidy, manning and wage scales for | 46 | 1131 | 142 |
| Passenger, oceangoing, staff officers | 46 | 242 | 170 |
| Passengers, sailing with unregistered staff officers | 46 | 246 | 171 |
| Passing rules | 33 | 1080 | 44 |
| Penalties for not complying with inspection requirements | 46 | 497 | 79 |
| Pilotage, State | 46 | 215 | 160 |
| Pilots required, when vessels are not sailing under registry | 46 | 364 | 78 |
| Power-driven, definition | 33 | 1061(c) | 33 |
| Proceeding under sail and machinery, day signal displayed | 33 | 1074 | 42 |
| Producing seamen before shipping commissioner | 33 | 1074 | 42 |
| Professional capacity of officers for | 46 | 573 | 202 |
| Radio officers required | 46 | 224a | 149 |
| Rates, charges, etc., for Great Lakes registered pilots | 46 | 229b | 167 |
| Reckless or negligent operation of | 46 | 218c | 163 |
| Refusal of officers to serve prohibited | 46 | 526L | 68, 227 |
| Registered in a territory, meaning of | 46 | 240 | 157 |
| Regulations for preventing collisions applicable to | 33 | 1061 | 32 |
| Reinspections | 46 | 435 | 100 |
| Removal of master by owners | 46 | 227 | 144 |
| Replacement of officers | 46 | 221 | 144 |
| Reshipment of seamen in foreign ports | 46 | 573 | 202 |
| Reshipment of seamen, U.S. ports | 46 | 572 | 202 |
| Responsibility to reduce speed in restricted visibility | 33 | 1094 | 48 |
| Risk of collision | 33 | 1078 | 44 |
| Rules as to list of crew | 46 | 676 | 206 |
| Seamen failing to join at time specified in articles | 46 | 576 | 203 |
| Seamen refusing to sail after vessel is found seaworthy | 46 | 655 | 192 |
| Seamen to have certificates of identification or continuous discharge books | 46 | 643 | 173 |
| Seamen's wages, appropriation of, for court costs | 46 | 707 | 218 |
| Seamen's wages, payment | 46 | 597 | 213 |
| Seamen working, alternatively in deck and engine departments prohibited | 46 | 673 | 140 |
| Shipping articles required by | 46 | 564 | 199 |
| Shipping seamen in foreign ports | 46 | 570 | 201 |

| Subject | U.S. Code | | |
|--|-----------|---------|----------|
| | Title | Section | Page |
| Weights and measures | 46 | 668 | 195 |
| Welding for boilers | 46 | 407 | 111 |
| Welding vessels, not subject to Dangerous Cargo Act | 46 | 170(6) | 93 |
| Western Rivers—Pilot Rules | 33 | 301 | 30 |
| Whaling vessel; allowance for reduction of provisions, not applicable to | 46 | 665 | 194 |
| Crew list for collector | 46 | 674 | 205 |
| Discharging crew in foreign port if unseaworthy, not applicable to | 46 | 658 | 192 |
| Examinations required on complaints of unseaworthiness not applicable to | 46 | 654 | 191 |
| Manning, exceptions for | 46 | 690 | 142 |
| Minimum number of officers, not applicable to | 46 | 223 | 137 |
| Replacement of seamen not applicable to | 46 | 569 | 144 |
| Seaman's refusal to sail, penalty, not applicable to | 46 | 655 | 192 |
| Seamen omitting to join, penalty not applicable to | 46 | 576 | 203 |
| Seamen or crew members on, not required to have continuous discharge books or certificates of identification | 46 | 643(i) | 175, 209 |
| Seamen's documents and records not applicable to | 46 | 643(i) | 175, 209 |
| Seamen's laws applicable to | 46 | 690 | 184 |
| Seamen's wages, partial payment, not applicable to | 46 | 597 | 213 |
| Shipping seamen to replace those lost by desertion or casualty, not applicable to | 46 | 569 | 144, 201 |
| Slop chest not required on | 46 | 670 | 196 |
| Unseaworthy complaint in foreign port, not applicable to | 46 | 656 | 192 |
| Wheelhouse, name of vessel exhibited on | 46 | 493 | 82 |
| Whistle, definition of, Rules of the Road | 33 | 1061(c) | 33 |
| Or other sound-producing appliances for motor-boats | 46 | 526c | 66 |
| Sound signals by | 33 | 1076 | 42 |
| Whistling, useless and unnecessary, prohibited | 46 | 375 | 20 |
| Wiper, engine department | 46 | 672(e) | 139 |
| Rating | 46 | 672(e) | 139 |
| Withholding of State taxes | 46 | 601 | 216 |
| Witnesses; bribery prohibited | 46 | 239(i) | 232 |
| Coercion prohibited | 46 | 239(i) | 232 |
| Fees and expenses | 46 | 239(f) | 232 |
| Influencing | 18 | 1505 | 233 |
| In investigations under R.S. 4450 | 46 | 239(d) | 231 |
| Oaths administered by Coast Guard | 46 | 239(e) | 232 |
| Subpenaing of | 46 | 239(e) | 232 |
| Threatening | 18 | 1505 | 233 |
| Travel by expenses for | 46 | 239(f) | 232 |
| Work, hours of | 46 | 673 | 140 |
| Working hours, radio officers | 46 | 229d | 167 |
| Wrecking vessels, minimum number of officers not applicable to | 46 | 223 | 137 |
| Wreck or loss of vessel, wages of seamen | 46 | 592 | 212 |
| Yacht; allowance for reduction of provisions, not applicable to | 46 | 665 | 194 |
| Discharging crew in foreign port if unseaworthy, not applicable to | 46 | 658 | 192 |
| Examinations required on complaints of unseaworthiness not applicable to | 46 | 654 | 191 |

| Subject | U.S. Code | | |
|---|-----------|---------|----------|
| | Title | Section | Page |
| Yacht—Continued | | | |
| Exempted from crew accommodation requirements | 46 | 660-1 | 102 |
| Inspection of hulls and boilers | 46 | 404 | 88 |
| Manning, exceptions for | 46 | 690 | 184 |
| Minimum number of officers not applicable to | 46 | 223 | 137 |
| Professional capacity of officers for | 46 | 224a | 149 |
| Replacement of seamen not applicable to | 46 | 569 | 144 |
| Seamen omitting to join, penalty not applicable to | 46 | 576 | 203 |
| Seamen or crewmembers on, not required to have continuous discharge books or certificates of identification | 46 | 643(i) | 175, 209 |
| Seamen's documents and records not applicable to | 46 | 643(i) | 175, 209 |
| Seamen's laws applicable to | 46 | 690 | 142, 184 |
| Seamen's refusal to sail, penalty, not applicable to | 46 | 655 | 192 |
| Seamen's wages, partial payment, not applicable to | 46 | 597 | 213 |
| Shipping seamen to replace those lost by desertion or casualty, not applicable to | 46 | 569 | 144 |
| Unseaworthy complaint in foreign port, not applicable to | 46 | 656 | 192 |

APPENDIX II
INTERNATIONAL CONFERENCE ON SAFETY OF LIFE
AT SEA, 1960

CONTENTS

| | <i>Page</i> |
|--|-------------|
| Final Act of Conference (partial, list of contracting governments)..... | C2 |
| International Convention for the Safety of Life at Sea, 1960..... | C3 |
| Articles..... | C3 |
| <i>Regulations</i> | |
| Chapter I.—General Provisions..... | C9 |
| Part A.—Application, Definitions, etc..... | C9 |
| Part B.—Surveys and Certificates..... | C11 |
| Part C.—Casualties..... | C17 |
| Chapter II.—Construction..... | C18 |
| Part A.—General..... | C18 |
| Part B.—Subdivision and Stability..... | C20 |
| Part C.—Machinery and Electrical Installations..... | C49 |
| Part D.—Fire Protection..... | C57 |
| Part E.—Fire Detection and Extinction in Passenger Ships and Cargo Ships..... | C72 |
| Part F.—General Fire Precautions..... | C90 |
| Chapter III.—Lifesaving Appliances, etc..... | C93 |
| Part A.—General..... | C93 |
| Part B.—Passenger Ships Only..... | C114 |
| Part C.—Cargo Ships Only..... | C121 |
| Chapter IV.—Radiotelegraphy and Radiotelephony..... | C126 |
| Part A.—Application and Definitions..... | C126 |
| Part B.—Watches..... | C128 |
| Part C.—Technical Requirements..... | C130 |
| Part D.—Radio Logs..... | C143 |
| Chapter V.—Safety of Navigation..... | C145 |
| Chapter VI.—Carriage of Grain..... | C158 |
| Chapter VII.—Carriage of Dangerous Goods..... | C165 |
| Chapter VIII.—Nuclear Ships..... | C169 |
| Appendix.—Certificates..... | C172 |
| Index..... | C186 |

C1

**INTERNATIONAL CONVENTION FOR THE SAFETY OF
LIFE AT SEA, 1960**

Article I

(a) The Contracting Governments undertake to give effect to the provisions of the present Convention and of the Regulations annexed thereto, which shall be deemed to constitute an integral part of the present Convention. Every reference to the present Convention implies at the same time a reference to these Regulations.

(b) The Contracting Governments undertake to promulgate all laws, decrees, orders and regulations and to take all other steps which may be necessary to give the present Convention full and complete effect, so as to ensure that, from the point of view of safety of life, a ship is fit for the service for which it is intended.

Article II

The ships to which the present Convention applies are ships registered in countries the Governments of which are Contracting Governments, and ships registered in territories to which the present Convention is extended under Article XIII.

Article III

Laws, Regulations

The Contracting Governments undertake to communicate to and deposit with the Inter-Governmental Maritime Consultative Organization (hereinafter called the Organization):

- (a) a list of non-governmental agencies which are authorised to act in their behalf in the administration of measures for safety of life at sea for circulation to the Contracting Governments for the information of their officers;
- (b) the text of laws, decrees, orders and regulations which shall have been promulgated on the various matters within the scope of the present Convention;
- (c) a sufficient number of specimens of their Certificates issued under the provisions of the present Convention for circulation to the Contracting Governments for the information of their officers.

Article IV

Cases of Force Majeure

(a) No ship, which is not subject to the provisions of the present Convention at the time of its departure on any voyage, shall become subject to the provisions of the present Convention on account of any deviation from its intended voyage due to stress of weather or any other cause of *force majeure*.

**FINAL ACT OF THE INTERNATIONAL CONFERENCE
ON SAFETY OF LIFE AT SEA, 1960**

Upon the invitation of the Inter-Governmental Maritime Consultative Organization, a Conference was held in London from 17 May to 17 June 1960 for the purpose of drawing up a Convention to replace the International Convention for the Safety of Life at Sea signed in London on 10 June 1948 as well as for the purpose of revising the International Regulations for Preventing Collisions at Sea, 1948.

The Governments of the following countries, being desirous of promoting safety of life at sea by establishing in common agreement uniform principles and rules directed thereto, were represented by Delegations at the Conference:—

| | |
|-----------------------------|-------------------------------------|
| Argentina | Republic of Korea |
| Australia | Kuwait |
| Belgium | Liberia |
| Brazil | Mexico |
| Bulgaria | Netherlands |
| Cameroun | New Zealand |
| Canada | Norway |
| China | Pakistan |
| Cuba | Panama |
| Czechoslovakia | Peru |
| Denmark | Philippines |
| Dominican Republic | Poland |
| Finland | Portugal |
| France | Spain |
| Federal Republic of Germany | Sweden |
| Greece | Switzerland |
| Hungary | Union of Soviet Socialist Republics |
| Iceland | United Arab Republic |
| India | United Kingdom |
| Ireland | United States of America |
| Israel | Venezuela |
| Italy | Yugoslavia |
| Japan | |

The Governments of the following countries were represented at the Conference by observers:—

| | |
|-----------|-----------------------|
| Ceylon | Roumania |
| Chile | Thailand |
| Guinea | Turkey |
| Indonesia | Union of South Africa |
| Iran | Vietnam |

Who, having communicated their full powers, found in good and due form, have agreed as follows:—

* * * * *

(b) Persons who are on board a ship by reason of *force majeure* or in consequence of the obligation laid upon the master to carry shipwrecked or other persons shall not be taken into account for the purpose of ascertaining the application to a ship of any provisions of the present Convention.

Article V

Carriage of Persons in Emergency

(a) For the purpose of moving persons from any territory in order to avoid a threat to the security of their lives a Contracting Government may permit the carriage of a larger number of persons in its ships than is otherwise permissible under the present Convention.

(b) Such permission shall not deprive other Contracting Governments of any right of control under the present Convention over such ships which come within their ports.

(c) Notice of any such permission, together with a statement of the circumstances, shall be sent to the Organization by the Contracting Government granting such permission.

Article VI

Suspension in case of War

(a) In case of war or other hostilities, a Contracting Government which considers that it is affected, whether as a belligerent or as a neutral, may suspend the operation of the whole or any part of the Regulations annexed hereto. The suspending Government shall immediately give notice of any such suspension to the Organization.

(b) Such suspension shall not deprive other Contracting Governments of any right of control under the present Convention over the ships of the suspending Government when such ships are within their ports.

(c) The suspending Government may at any time terminate such suspension and shall immediately give notice of such termination to the Organization.

(d) The Organization shall notify all Contracting Governments of any suspension or termination of suspension under this Article.

Article VII

Prior Treaties and Conventions

(a) As between the Contracting Governments the present Convention replaces and abrogates the International Convention for the Safety of Life at Sea which was signed in London on 10 June 1948.

(b) All other treaties, conventions and arrangements relating to safety of life at sea, or matters appertaining thereto, at present in force between

Governments parties to the present Convention, shall continue to have full and complete effect during the terms thereof as regards:

- (i) ships to which the present Convention does not apply;
- (ii) ships to which the present Convention applies, in respect of matters for which it has not expressly provided.

(c) To the extent, however, that such treaties, conventions or arrangements conflict with the provisions of the present Convention, the provisions of the present Convention shall prevail.

(d) All matters which are not expressly provided for in the present Convention remain subject to the legislation of the Contracting Governments.

Article VIII

Special Rules drawn up by Agreement

When in accordance with the present Convention special rules are drawn up by agreement between all or some of the Contracting Governments, such rules shall be communicated to the Organization for circulation to all Contracting Governments.

Article IX

Amendments

(a) (i) The present Convention may be amended by unanimous agreement between the Contracting Governments.

(ii) Upon the request of any Contracting Government a proposed amendment shall be communicated by the Organization to all Contracting Governments for consideration and acceptance under this paragraph.

(b) (i) An amendment to the present Convention may be proposed to the Organization at any time by any Contracting Government and such proposal, if adopted by a two-thirds majority of the Assembly of the Organization (hereinafter called the Assembly), upon recommendation adopted by a two-thirds majority of the Maritime Safety Committee of the Organization (hereinafter called the Maritime Safety Committee), shall be communicated by the Organization to all Contracting Governments for their acceptance.

(ii) Any such recommendation by the Maritime Safety Committee shall be communicated by the Organization to all Contracting Governments for their consideration at least six months before it is considered by the Assembly.

(c) (i) A conference of Governments to consider amendments to the present Convention proposed by any Contracting Government shall at any time be convened by the Organization upon the request of one-third of the Contracting Governments.

(ii) Every amendment adopted by such conference by a two-thirds majority of the Contracting Governments shall be communicated by the Organization to all Contracting Governments for their acceptance.

(d) Any amendment communicated to Contracting Governments for their acceptance under paragraph (b) or (c) of this Article shall come into force for all Contracting Governments, except those which before it comes into force make a declaration that they do not accept the amendment, twelve months after the date on which the amendment is accepted by two-thirds of the Contracting Governments including two-thirds of the Governments represented on the Maritime Safety Committee.

(e) The Assembly, by a two-thirds majority vote, including two-thirds of the Governments represented on the Maritime Safety Committee, and subject to the concurrence of two-thirds of the Contracting Governments to the present Convention, or a conference convened under paragraph (c) of this Article by a two-thirds majority vote, may determine at the time of its adoption that the amendment is of such an important nature that any Contracting Government which makes a declaration under paragraph (d) of this Article and which does not accept the amendment within a period of twelve months after the amendment comes into force, shall, upon the expiry of this period, cease to be a party to the present Convention.

(f) Any amendment to the present Convention made under this Article which relates to the structure of a ship shall apply only to ships the keels of which are laid after the date on which the amendment comes into force.

(g) The Organisation shall inform all Contracting Governments of any amendments which come into force under this Article, together with the date on which such amendments shall come into force.

(h) Any acceptance or declaration under this Article shall be made by a notification in writing to the Organisation, which shall notify all Contracting Governments of the receipt of the acceptance or declaration.

Article X

Signature and Acceptance

(a) The present Convention shall remain open for signature for one month from this day's date and shall thereafter remain open for acceptance. Governments of States may become parties to the Convention by:

- (i) signature without reservation as to acceptance;
- (ii) signature subject to acceptance followed by acceptance; or
- (iii) acceptance.

(b) Acceptance shall be effected by the deposit of an instrument with the Organisation, which shall inform all Governments that have already accepted the Convention of each acceptance received and of the date of its receipt.

Article XI

Coming into Force

(a) The present Convention shall come into force twelve months after the date on which not less than fifteen acceptances, including seven by countries each with not less than one million gross tons of shipping, have been deposited in accordance with Article X. The Organisation shall inform all Governments which have signed or accepted the present Convention of the date on which it comes into force.

(b) Acceptances deposited after the date on which the present Convention comes into force shall take effect three months after the date of their deposit.

Article XII

Denunciation

(a) The present Convention may be denounced by any Contracting Government at any time after the expiry of five years from the date on which the Convention comes into force for that Government.

(b) Denunciation shall be effected by a notification in writing addressed to the Organisation which shall notify all the other Contracting Governments of any denunciation received and of the date of its receipt.

(c) A denunciation shall take effect one year, or such longer period as may be specified in the notification, after its receipt by the Organisation.

Article XIII

Territories

(a) (i) The United Nations in cases where they are the administering authority for a territory or any Contracting Government responsible for the international relations of a territory shall as soon as possible consult with such territory in an endeavour to extend the present Convention to that territory and may at any time by notification in writing given to the Organisation declare that the present Convention shall extend to such territory.

(ii) The present Convention shall from the date of the receipt of the notification or from such other date as may be specified in the notification extend to the territory named therein.

(b) (i) The United Nations or any Contracting Government which has made a declaration under paragraph (a) of this Article, at any time after the expiry of a period of five years from the date on which the Convention has been so extended to any territory, may by a notification in writing given to the Organisation declare that the present Convention shall cease to extend to any such territory named in the notification.

(ii) The present Convention shall cease to extend to any territory mentioned in such notification one year, or such longer period as may be

specified therein, after the date of receipt of the notification by the Organization.

(c) The Organization shall inform all the Contracting Governments of the extension of the present Convention to any territories under paragraph (a) of this Article, and of the termination of any such extension under the provisions of paragraph (b), stating in each case the date from which the present Convention has been or will cease to be so extended.

Article XIV

Registration

(a) The present Convention shall be deposited in the archives of the Organization and the Secretary-General of the Organization shall transmit certified true copies thereof to all Signatory Governments and to all other Governments which accept the present Convention.

(b) As soon as the present Convention comes into force it shall be registered by the Organization with the Secretary-General of the United Nations.

CHAPTER I.—GENERAL PROVISIONS

PART A.—APPLICATION, DEFINITIONS, &c.

Regulation 1

Application

(a) Unless expressly provided otherwise, the present Regulations apply only to ships engaged on international voyages.

(b) The classes of ships to which each Chapter applies are more precisely defined, and the extent of the application is shown, in each Chapter.

Regulation 2

Definitions

For the purpose of the present Regulations, unless expressly provided otherwise:—

- (a) "Regulations" means the Regulations referred to in Article I (a) of the present Convention.
- (b) "Administration" means the Government of the country in which the ship is registered.
- (c) "Approved" means approved by the Administration.
- (d) "International voyage" means a voyage from a country to which the present Convention applies to a port outside such country, or conversely; and for this purpose every territory for the international relations of which a Contracting Government is responsible or for which the United Nations are the administering authority is regarded as a separate country.
- (e) A passenger is every person other than:
 - (i) the master and the members of the crew or other persons employed or engaged in any capacity on board a ship on the business of that ship; and
 - (ii) a child under one year of age.
- (f) A passenger ship is a ship which carries more than twelve passengers.
- (g) A cargo ship is any ship which is not a passenger ship.
- (h) A tanker is a cargo ship constructed or adapted for the carriage in bulk of liquid cargoes of an inflammable nature.
- (i) A fishing vessel is a vessel used for catching fish, whales, seals, walrus or other living resources of the sea.
- (j) A nuclear ship is a ship provided with a nuclear power plant.

(k) "New ship" means a ship the keel of which is laid on or after the date of coming into force of the present Convention.

(l) "Existing ship" means a ship which is not a new ship.

(m) A mile is 6,080 feet or 1,852 metres.

Regulation 3

Exceptions

(a) The present Regulations, unless expressly provided otherwise, do not apply to:—

- (i) Ships of war and troopships.
- (ii) Cargo ships of less than 500 tons gross tonnage.
- (iii) Ships not propelled by mechanical means.
- (iv) Wooden ships of primitive build, such as dhows, junks, &c.
- (v) Pleasure yachts not engaged in trade.
- (vi) Fishing vessels.

(b) Except as expressly provided in Chapter V, nothing herein shall apply to ships solely navigating the Great Lakes of North America and the River St. Lawrence as far east as a straight line drawn from Cap des Rosiers to West Point, Anticosti Island and, on the north side of Anticosti Island, the 63rd Meridian.

Regulation 4

Exemptions

A ship which is not normally engaged on international voyages but which, in exceptional circumstances, is required to undertake a single international voyage may be exempted by the Administration from any of the requirements of the present Regulations provided that it complies with safety requirements which are adequate in the opinion of the Administration for the voyage which is to be undertaken by the ship.

Regulation 5

Equivalents

(a) Where the present Regulations require that a particular fitting, material, appliance or apparatus, or type thereof, shall be fitted or carried in a ship, or that any particular provision shall be made, the Administration may allow any other fitting, material, appliance or apparatus, or type thereof, to be fitted or carried, or any other provision to be made in that ship, if it is satisfied by trial thereof or otherwise that such fitting, material, appliance

or apparatus, or type thereof, or provision, is at least as effective as that required by the present Regulations.

(b) Any Administration which so allows, in substitution, a fitting, material, appliance or apparatus, or type thereof, or provision, shall communicate to the Organization particulars thereof together with a report on any trials made and the Organization shall circulate such particulars to other Contracting Governments for the information of their officers.

PART B.—SURVEYS AND CERTIFICATES

Regulation 6

Inspection and Survey

The inspection and survey of ships, so far as regards the enforcement of the provisions of the present Regulations and the granting of exemptions therefrom, shall be carried out by officers of the country in which the ship is registered, provided that the Government of each country may entrust the inspection and survey either to surveyors nominated for the purpose or to organizations recognised by it. In every case the Government concerned fully guarantees the completeness and efficiency of the inspection and survey.

Regulation 7

Initial and Subsequent Surveys of Passenger Ships

(a) A passenger ship shall be subjected to the surveys specified below:

- (i) A survey before the ship is put in service.
- (ii) A periodical survey once every twelve months.
- (iii) Additional surveys, as occasion arises.

(b) The surveys referred to above shall be carried out as follows:

- (i) *The survey before the ship is put in service* shall include a complete inspection of its structure, machinery and equipments, including the outside of the ship's bottom and the inside and outside of the boilers. This survey shall be such as to ensure that the arrangements, material, and scantlings of the structure, boilers and other pressure vessels and their appurtenances, main and auxiliary machinery, electrical installation, radio installation, radiotelegraph installations in motor lifeboats, portable radio apparatus for survival craft, life-saving appliances, fire detecting and extinguishing appliances, pilot ladders and other equipments, fully comply with the requirements of the present Convention, and of the laws, decrees, orders and regulations promulgated as a result thereof by the Administration for ships of the service for which it is intended. The survey shall also be such as to ensure that the workmanship

of all parts of the ship and its equipments is in all respects satisfactory, and that the ship is provided with the lights, means of making sound signals and distress signals as required by the provisions of the present Convention and the International Collision Regulations.

(ii) *The periodical survey* shall include an inspection of the structure, boilers and other pressure vessels, machinery and equipments, including the outside of the ship's bottom. The survey shall be such as to ensure that the ship, as regards the structure, boilers and other pressure vessels and their appurtenances, main and auxiliary machinery, electrical installation, radio installation, radiotelegraph installations in motor lifeboats, portable radio apparatus for survival craft, life-saving appliances, fire detecting and extinguishing appliances, pilot ladders and other equipments, is in satisfactory condition and fit for the service for which it is intended, and that it complies with the requirements of the present Convention, and of the laws, decrees, orders and regulations promulgated as a result thereof by the Administration. The lights and means of making sound signals and the distress signals carried by the ship shall also be subject to the above-mentioned survey for the purpose of ensuring that they comply with the requirements of the present Convention and of the International Collision Regulations.

(iii) *A survey either general or partial*, according to the circumstances, shall be made every time an accident occurs or a defect is discovered which affects the safety of the ship or the efficiency or completeness of its life-saving appliances or other equipments, or whenever any important repairs or renewals are made. The survey shall be such as to ensure that the necessary repairs or renewals have been effectively made, that the material and workmanship of such repairs or renewals are in all respects satisfactory, and that the ship complies in all respects with the provisions of the present Convention and of the International Collision Regulations, and of the laws, decrees, orders and regulations promulgated as a result thereof by the Administration.

(c) (i) The laws, decrees, orders and regulations referred to in paragraph (b) of this Regulation shall be in all respects such as to ensure that, from the point of view of safety of life, the ship is fit for the service for which it is intended.

(ii) They shall among other things prescribe the requirements to be observed as to the initial and subsequent hydraulic or other acceptable alternative tests to which the main and auxiliary boilers, connections, steam pipes, high pressure receivers, and fuel tanks for internal combustion engines

are to be submitted, including the test procedures to be followed and the intervals between two consecutive tests.

Regulation 8

Surveys of Life-Saving Appliances and other Equipments of Cargo Ships

The life-saving appliances, except a radiotelegraph installation in a motor lifeboat or a portable radio apparatus for survival craft, and the fire extinguishing appliances of cargo ships to which Chapters II and III of the present Regulations apply shall be subject to initial and subsequent surveys as provided for passenger ships in Regulation 7 of this Chapter with the substitution of 24 months for 12 months in sub-paragraph (a) (ii) of that Regulation. The fire control plans in new ships and the pilot ladders, lights and means of making sound signals carried by new and existing ships shall be included in the surveys for the purpose of ensuring that they comply fully with the requirements of the present Convention and, where applicable, the International Collision Regulations.

Regulation 9

Surveys of Radio Installations of Cargo Ships

The radio installations of cargo ships to which Chapter IV of the present Regulations applies and any radiotelegraph installation in a motor lifeboat or portable radio apparatus for survival craft which is carried in compliance with the requirements of Chapter III of the present Regulations shall be subject to initial and subsequent surveys as provided for passenger ships in Regulation 7 of this Chapter.

Regulation 10

Survey of Hull, Machinery and Equipment of Cargo Ships

The hull, machinery and equipment (other than items in respect of which Cargo Ship Safety Equipment Certificates, Cargo Ship Safety Radiotelegraphy Certificates or Cargo Ship Safety Radiotelephony Certificates are issued) of a cargo ship shall be surveyed on completion and thereafter in such manner and at such intervals as the Administration may consider necessary in order to ensure that their condition is in all respects satisfactory. The survey shall be such as to ensure that the arrangements, material, and scantlings of the structure, boilers and other pressure vessels and their appurtenances, main and auxiliary machinery, electrical installations and other equipments are in all respects satisfactory for the service for which the ship is intended.

Regulation 11*Maintenance of Conditions after Survey*

After any survey of the ship under Regulations 7, 8, 9 or 10 has been completed, no change shall be made in the structural arrangements, machinery, equipments, &c. covered by the survey, without the sanction of the Administration.

Regulation 12*Issue of Certificates*

- (a) (i) A certificate called a Passenger Ship Safety Certificate shall be issued after inspection and survey to a passenger ship which complies with the requirements of Chapters II, III and IV and any other relevant requirements of the present Regulations.
- (ii) A certificate called a Cargo Ship Safety Construction Certificate shall be issued after survey to a cargo ship which satisfies the requirements for cargo ships on survey set out in Regulation 10 of this Chapter and complies with the applicable requirements of Chapter II, other than those relating to fire extinguishing appliances and fire control plans.
- (iii) A certificate called a Cargo Ship Safety Equipment Certificate shall be issued after inspection to a cargo ship which complies with the relevant requirements of Chapters II and III and any other relevant requirements of the present Regulations.
- (iv) A certificate called a Cargo Ship Safety Radiotelegraphy Certificate shall be issued after inspection to a cargo ship, fitted with a radiotelegraph installation, which complies with the requirements of Chapter IV and any other relevant requirements of the present Regulations.
- (v) A certificate called a Cargo Ship Safety Radiotelephony Certificate shall be issued after inspection to a cargo ship, fitted with a radiotelephone installation, which complies with the requirements of Chapter IV and any other relevant requirements of the present Regulations.
- (vi) When an exemption is granted to a ship under and in accordance with the provisions of the present Regulations, a certificate called an Exemption Certificate shall be issued in addition to the certificates prescribed in this paragraph.
- (vii) Passenger Ship Safety Certificates, Cargo Ship Safety Construction Certificates, Cargo Ship Safety Equipment Certificates, Cargo Ship Safety Radiotelegraphy Certificates, Cargo Ship Safety Radiotelephony Certificates and Exemption Certificates shall be issued either by the Administration or by any person or organization duly

authorised by it. In every case, that Administration assumes full responsibility for the Certificate.

(b) Notwithstanding any other provision of the present Convention any certificate issued under, and in accordance with, the provisions of the International Convention for the Safety of Life at Sea, 1948, which is current when the present Convention comes into force in respect of the Administration by which the certificate is issued, shall remain valid until it expires under the terms of Regulation 13 of Chapter I of that Convention.

(c) A Contracting Government shall not issue Certificates under, and in accordance with, the provisions of the International Convention for the Safety of Life at Sea, 1948 or 1929, after the date on which acceptance of the present Convention by the Government takes effect.

Regulation 13*Issue of Certificate by another Government*

A Contracting Government may, at the request of the Administration, cause a ship to be surveyed and, if satisfied that the requirements of the present Regulations are complied with, shall issue certificates to the ship in accordance with the present Regulations. Any certificate so issued must contain a statement to the effect that it has been issued at the request of the Government of the country in which the ship is or will be registered, and it shall have the same force and receive the same recognition as a certificate issued under Regulation 12 of this Chapter.

Regulation 14*Duration of Certificates*

(a) Certificates other than Cargo Ship Safety Construction Certificates, Cargo Ship Safety Equipment Certificates and Exemption Certificates shall be issued for a period of not more than 12 months. Cargo Ship Safety Equipment Certificates shall be issued for a period of not more than 24 months. Exemption Certificates shall not be valid for longer than the period of the certificates to which they refer.

(b) If a survey takes place within two months before the end of the period for which a Cargo Ship Safety Radiotelegraphy Certificate or a Cargo Ship Safety Radiotelephony Certificate issued in respect of cargo ships of 300 tons gross tonnage and upwards, but less than 500 tons gross tonnage, was originally issued, that certificate may be withdrawn, and a new certificate may be issued which shall expire 12 months after the end of the said period.

(c) If a ship at the time when its certificate expires is not in a port of the country in which it is registered, the certificate may be extended by the Administration, but such extension shall be granted only for the purpose of allowing the ship to complete its voyage to the country in which it is registered or is to be surveyed, and then only in cases where it appears proper and reasonable so to do.

(d) No certificate shall be thus extended for a longer period than five months, and a ship to which such extension is granted shall not, on its arrival in the country in which it is registered or the port in which it is to be surveyed, be entitled by virtue of such extension to leave that port or country without having obtained a new certificate.

(e) A certificate which has not been extended under the foregoing provisions of this Regulation may be extended by the Administration for a period of grace of up to one month from the date of expiry stated on it.

Regulation 15

Form of Certificates

(a) All certificates shall be drawn up in the official language or languages of the country by which they are issued.

(b) The form of the certificates shall be that of the models given in the Appendix to the present Regulations. The arrangement of the printed part of the model certificates shall be exactly reproduced in the certificates issued, or in certified copies thereof, and the particulars inserted in the certificates issued, or in certified copies thereof, shall be in Roman characters and Arabic figures.

Regulation 16

Posting up of Certificates

All certificates or certified copies thereof issued under the present Regulations shall be posted up in a prominent and accessible place in the ship.

Regulation 17

Acceptance of Certificates

Certificates issued under the authority of a Contracting Government shall be accepted by the other Contracting Governments for all purposes covered by the present Convention. They shall be regarded by the other Contracting Governments as having the same force as certificates issued by them.

Regulation 18

Qualification of Certificates

(a) If in the course of a particular voyage a ship has on board a number of persons less than the total number stated in the Passenger Ship Safety Certificate and is in consequence, in accordance with the provisions of the present Regulations, free to carry a smaller number of lifeboats and other

life-saving appliances than that stated in the Certificate, an annex may be issued by the Government, person, or organization referred to in Regulation 12 or 13.

(b) This annex shall state that in the circumstances there is no infringement of the provisions of the present Regulations. It shall be annexed to the Certificate and shall be substituted for it in so far as the life-saving appliances are concerned. It shall be valid only for the particular voyage for which it is issued.

Regulation 19

Control

Every ship holding a certificate issued under Regulation 12 or Regulation 13 is subject in the ports of the other Contracting Governments to control by officers duly authorised by such Governments in so far as this control is directed towards verifying that there is on board a valid certificate. Such certificate shall be accepted unless there are clear grounds for believing that the condition of the ship or of its equipment does not correspond substantially with the particulars of that certificate. In that case, the officer carrying out the control shall take such steps as will ensure that the ship shall not sail until it can proceed to sea without danger to the passengers or the crew. In the event of this control giving rise to intervention of any kind, the officer carrying out the control shall inform the Consul of the country in which the ship is registered in writing forthwith of all the circumstances in which intervention was deemed to be necessary, and the facts shall be reported to the Organization.

Regulation 20

Privileges

The privileges of the present Convention may not be claimed in favour of any ship unless it holds appropriate valid certificates.

PART C.—CASUALTIES

Regulation 21

Casualties

(a) Each Administration undertakes to conduct an investigation of any casualty occurring to any of its ships subject to the provisions of the present Convention when it judges that such an investigation may assist in determining what changes in the present Regulations might be desirable.

(b) Each Contracting Government undertakes to supply the Organization with pertinent information concerning the findings of such investigations. No reports or recommendations of the Organization based upon such information shall disclose the identity or nationality of the ships concerned or in any manner fix or imply responsibility upon any ship or person.

CHAPTER II.—CONSTRUCTION

PART A.—GENERAL

Regulation 1

Application

(a) (i) Unless expressly provided otherwise, this Chapter applies to new ships.

(ii) In the case of existing passenger ships and cargo ships the keels of which were laid on or after the date of coming into force of the International Convention for the Safety of Life at Sea, 1948, the Administration shall ensure that the requirements which were applied under Chapter II of that Convention to new ships as defined in that Chapter are complied with. In the case of existing passenger ships and cargo ships the keels of which were laid before the date of coming into force of that Convention, the Administration shall ensure that the requirements which were applied under Chapter II of that Convention to existing ships as defined in that Chapter are complied with. As regards those requirements of Chapter II of the present Convention which are not contained in Chapter II of the 1948 Convention the Administration shall decide which of these requirements shall be applied to existing ships as defined in the present Convention.

(b) For the purpose of this Chapter:—

(i) A new passenger ship is a passenger ship the keel of which is laid on or after the date of coming into force of the present Convention, or a cargo ship which is converted to a passenger ship on or after that date, all other passenger ships being described as existing passenger ships.

(ii) A new cargo ship is a cargo ship the keel of which is laid on or after the date of coming into force of the present Convention.

(c) The Administration may, if it considers that the sheltered nature and conditions of the voyage are such as to render the application of any specific requirements of this Chapter unreasonable or unnecessary, exempt from those requirements individual ships or classes of ships belonging to its country which, in the course of their voyage, do not proceed more than 20 miles from the nearest land.

(d) In the case of a passenger ship which is permitted under paragraph (c) of Regulation 27 of Chapter III to carry a number of persons on board in excess of the lifeboat capacity provided, it shall comply with the special standards of subdivision set out in paragraph (e) of Regulation 5 of this Chapter, and the associated special provisions regarding permeability in paragraph (d) of Regulation 4 of this Chapter, unless the Administration is satisfied that, having regard to the nature and conditions of the voyage, compliance with the other provisions of the Regulations of this Chapter is sufficient.

(e) In the case of passenger ships which are employed in the carriage of large numbers of unberthed passengers in special trades, such, for example, as the pilgrim trade, the Administration, if satisfied that it is impracticable to enforce compliance with the requirements of this Chapter, may exempt such ships, when they belong to its country, from those requirements on the following conditions:—

- (i) That the fullest provision which the circumstances of the trade will permit shall be made in the matter of construction.
- (ii) That steps shall be taken to formulate general rules which shall be applicable to the particular circumstances of these trades. Such rules shall be formulated in concert with such other Contracting Governments, if any, as may be directly interested in the carriage of such passengers in such trades.

Notwithstanding any provisions of the present Convention, the Simla Rules, 1931, shall continue in force as between the parties to those Rules until the rules formulated under sub-paragraph (e) (ii) of this Regulation shall come into force.

Regulation 2

Definitions

For the purpose of this Chapter, unless expressly provided otherwise:—

(a) (i) A *subdivision loadline* is a waterline used in determining the subdivision of the ship.

(ii) The *deepest subdivision loadline* is the waterline which corresponds to the greatest draught permitted by the subdivision requirements which are applicable.

(b) The *length of the ship* is the length measured between perpendiculars taken at the extremities of the deepest subdivision loadline.

(c) The *breadth of the ship* is the extreme width from outside of frame to outside of frame at or below the deepest subdivision loadline.

(d) The *draught* is the vertical distance from the moulded base line amidships to the subdivision loadline in question.

(e) The *bulkhead deck* is the uppermost deck up to which the transverse watertight bulkheads are carried.

(f) The *margin line* is a line drawn at least 3 inches (or 76 millimetres) below the upper surface of the bulkhead deck at side.

(g) The *permeability* of a space is the percentage of that space which can be occupied by water.

The volume of a space which extends above the margin line shall be measured only to the height of that line.

(h) The *machinery space* is to be taken as extending from the moulded base line to the margin line and between the extreme main transverse watertight bulkheads bounding the spaces containing the main and auxiliary propelling machinery, boilers serving the needs of propulsion, and all permanent coal bunkers.

In the case of unusual arrangements, the Administration may define the limits of the machinery spaces.

(i) *Passenger spaces* are those which are provided for the accommodation and use of passengers, excluding baggage, store, provision and mail rooms.

For the purposes of Regulations 4 and 5 of this Chapter, spaces provided below the margin line for the accommodation and use of the crew shall be regarded as passenger spaces.

(j) In all cases *volumes* and *areas* shall be calculated to moulded lines.

PART B.—SUBDIVISION AND STABILITY

(Part B applies to passenger ships only, except that Regulation 19 also applies to cargo ships.)

Regulation 3

Floodable Length

(a) The floodable length at any point of the length of a ship shall be determined by a method of calculation which takes into consideration the form, draught and other characteristics of the ship in question.

(b) In a ship with a continuous bulkhead deck, the floodable length at a given point is the maximum portion of the length of the ship, having its centre at the point in question, which can be flooded under the definite assumptions set forth in Regulation 4 of this Chapter without the ship being submerged beyond the margin line.

(c) (i) In the case of a ship not having a continuous bulkhead deck, the floodable length at any point may be determined to an assumed continuous margin line which at no point is less than 3 inches (or 76 millimetres) below the top of the deck (at side) to which the bulkheads concerned and the shell are carried watertight.

(ii) Where a portion of an assumed margin line is appreciably below the deck to which bulkheads are carried, the Administration may permit a limited relaxation in the watertightness of those portions of the bulkheads which are above the margin line and immediately under the higher deck.

Regulation 4

Permeability

(a) The definite assumptions referred to in Regulation 3 of this Chapter relate to the permeabilities of the spaces below the margin line.

In determining the floodable length, a uniform average permeability shall be used throughout the whole length of each of the following portions of the ship below the margin line:—

(i) the machinery space as defined in Regulation 2 of this Chapter;

(ii) the portion forward of the machinery space; and

(iii) the portion abaft the machinery space.

(b) (i) The uniform average permeability throughout the machinery space shall be determined from the formula—

$$85 + 10 \left(\frac{a-c}{v} \right)$$

where:—

a =volume of the passenger spaces, as defined in Regulation 2 of this Chapter, which are situated below the margin line within the limits of the machinery space.

c =volume of between deck spaces below the margin line within the limits of the machinery space which are appropriated to cargo, coal or stores.

v =whole volume of the machinery space below the margin line.

(ii) Where it is shown to the satisfaction of the Administration that the average permeability as determined by detailed calculation is less than that given by the formula, the detailed calculated value may be used. For the purpose of such calculation, the permeabilities of passenger spaces, as defined in Regulation 2 of this Chapter, shall be taken as 95, that of all cargo, coal and store spaces as 60, and that of double bottom, oil fuel and other tanks at such values as may be approved in each case.

(c) Except as provided in paragraph (d) of this Regulation, the uniform average permeability throughout the portion of the ship before (or abaft) the machinery space shall be determined from the formula—

$$63 + 35 \frac{a}{v}$$

where:

a =volume of the passenger spaces, as defined in Regulation 2 of this Chapter, which are situated below the margin line, before (or abaft) the machinery space, and

M=the volume of the machinery space, as defined in Regulation 2 of this Chapter; with the addition thereto of the volume of any permanent oil fuel bunkers which may be situated above the inner bottom and before or abaft the machinery space;

P=the whole volume of the passenger spaces below the margin line, as defined in Regulation 2 of this Chapter;

V=the whole volume of the ship below the margin line;

P₁=**KN** where:—

N=number of passengers for which the ship is to be certified, and

K has the following values:—

| | Value of K |
|--|-------------------|
| Length in feet and volumes in cubic feet | ·6L |
| Length in metres and volumes in cubic metres ... | ·056L |

Where the value of **KN** is greater than the sum of **P** and the whole volume of the actual passenger spaces above the margin line, the figure to be taken as **P₁** is that sum or $\frac{3}{2}$ **KN**, whichever is the greater.

When **P₁** is greater than **P**—

$$C = 72 \frac{M + 2P_1}{V + P_1 - P} \quad \text{(III)}$$

and in other cases—

$$C = 72 \frac{M + 2P}{V} \quad \text{(IV)}$$

For ships not having a continuous bulkhead deck the volumes are to be taken up to the actual margin lines used in determining the floodable lengths.

(d) *Rules for Subdivision of Ships other than those covered by paragraph (e) of this Regulation*

(i) *The subdivision abaft the forepeak of ships 430 feet (or 131 metres) in length and upwards having a criterion numeral of 23 or less shall be governed by the factor A given by formula (I); of those having a criterion numeral of 123 or more by the factor B given by formula (II); and of those having a criterion numeral between 23 and 123 by the factor F obtained by linear interpolation between the factors A and B, using the formula:—*

$$F = A - \frac{(A - B)(C - 23)}{100} \quad \text{(V)}$$

Nevertheless, where the criterion numeral is equal to 45 or more and simultaneously the computed factor of subdivision as given by formula (V) is ·65 or less, but more than ·50, the subdivision abaft the forepeak shall be governed by the factor ·50.

Where the factor F is less than ·40 and it is shown to the satisfaction of the Administration to be impracticable to comply with the factor F in a machinery compartment of the ship, the subdivision of such compartment may be governed by an increased factor, which, however, shall not exceed ·40.

(ii) *The subdivision abaft the forepeak of ships less than 430 feet (or 131 metres) but not less than 260 feet (or 79 metres) in length having a criterion numeral equal to S, where—*

$$S = \frac{9,382 - 20L}{34} \quad (\text{L in feet}) = \frac{3,574 - 25L}{13} \quad (\text{L in metres})$$

shall be governed by the factor unity; of those having a criterion numeral of 123 or more by the factor B given by the formula (II); of those having a criterion numeral between S and 123 by the factor F obtained by linear interpolation between unity and the factor B using the formula:—

$$F = 1 - \frac{(1 - B)(C - S)}{123 - S} \quad \text{(VI)}$$

(iii) *The subdivision abaft the forepeak of ships less than 430 feet (or 131 metres) but not less than 260 feet (or 79 metres) in length and having a criterion numeral less than S, and of all ships less than 260 feet (or 79 metres) in length shall be governed by the factor unity, unless, in either case, it is shown to the satisfaction of the Administration to be impracticable to comply with this factor in any part of the ship, in which case the Administration may allow such relaxation as may appear to be justified, having regard to all the circumstances.*

(iv) *The provisions of sub-paragraph (iii) of this paragraph shall apply also to ships of whatever length, which are to be certified to carry a number of passengers exceeding 12 but not exceeding—*

$$\frac{L^2 \text{ (in feet)}}{7,000} = \frac{L^2 \text{ (in metres)}}{650} \quad \text{or 50, whichever is the less.}$$

(e) *Special Standards of Subdivision for Ships which are permitted under paragraph (c) of Regulation 27 of Chapter III to carry a number of persons on board in excess of the lifeboat capacity provided and are required under paragraph (d) of Regulation 1 of this Chapter to comply with special provisions.*

(i) (1) *In the case of ships primarily engaged in the carriage of passengers, the subdivision abaft the forepeak shall be governed by a factor of ·50 or by the factor determined according to paragraphs (c) and (d) of this Regulation, if less than ·50.*

(2) *In the case of such ships less than 300 feet (or 91·5 metres) in length, if the Administration is satisfied that compliance with such factor would be impracticable in a compartment, it may allow the length of that*

compartment to be governed by a higher factor provided the factor used is the lowest that is practicable and reasonable in the circumstances.

(ii) Where, in the case of any ship whether less than 300 feet (or 91.5 metres) or not, the necessity of carrying appreciable quantities of cargo makes it impracticable to require the subdivision abaft the forepeak to be governed by a factor not exceeding .50, the standard of subdivision to be applied shall be determined in accordance with the following sub-paragraphs (1) to (5), subject to the condition that where the Administration is satisfied that insistence on strict compliance in any respect would be unreasonable, it may allow such alternative arrangement of the watertight bulkheads as appears to be justified on merits and will not diminish the general effectiveness of the subdivision.

- (1) The provisions of paragraph (c) of this Regulation relating to the criterion numeral shall apply with the exception that in calculating the value of P_1 for berthed passengers K is to have the value defined in paragraph (c) of this Regulation or 125 cubic feet (or 3.55 cubic metres), whichever is the greater, and for unberthed passengers K is to have the value 125 cubic feet (or 3.55 cubic metres).
- (2) The factor B in paragraph (b) of this Regulation shall be replaced by the factor BB determined by the following formula:—

L in feet

$$BB = \frac{57.6}{L-108} + 20 \quad (L=180 \text{ and upwards})$$

L in metres

$$BB = \frac{17.6}{L-33} + 20 \quad (L=55 \text{ and upwards})$$

- (3) The subdivision abaft the forepeak of ships 430 feet (or 131 metres) in length and upwards having a criterion numeral of 23 or less shall be governed by the factor A given by formula (I) in paragraph (b) of this Regulation; of those having a criterion numeral of 123 or more by the factor BB given by the formula in sub-paragraph (ii) (2) of this paragraph; and of those having a criterion numeral between 23 and 123 by the factor F obtained by linear interpolation between the factors A and BB, using the formula:—

$$F = A - \frac{(A - BB)(C_s - 23)}{100}$$

except that if the factor F so obtained is less than .50 the factor to be used shall be either .50 or the factor calculated according to the provisions of paragraph (d) (i) of this Regulation, whichever is the smaller.

- (4) The subdivision abaft the forepeak of ships less than 430 feet (or 131 metres) but not less than 180 feet (or 55 metres) in length having a criterion numeral equal to S_1 where—

$$S_1 = \frac{1.950 - 4L}{10} \quad (L \text{ in feet})$$

$$S_1 = \frac{3.712 - 25L}{19} \quad (L \text{ in metres})$$

shall be governed by the factor unity; of those having a criterion numeral of 123 or more by the factor BB given by the formula in sub-paragraph (ii) (2) of this paragraph; of those having a criterion numeral between S_1 and 123 by the factor F obtained by linear interpolation between unity and the factor BB using the formula:—

$$F = 1 - \frac{(1 - BB)(C_s - S_1)}{123 - S_1}$$

except that in either of the two latter cases if the factor so obtained is less than .50 the subdivision may be governed by a factor not exceeding .50.

- (5) The subdivision abaft the forepeak of ships less than 430 feet (or 131 metres) but not less than 180 feet (or 55 metres) in length and having a criterion numeral less than S_1 and of all ships less than 180 feet (or 55 metres) in length shall be governed by the factor unity, unless it is shown to the satisfaction of the Administration to be impracticable to comply with this factor in particular compartments, in which event the Administration may allow such relaxations in respect of those compartments as appear to be justified, having regard to all the circumstances, provided that the aftermost compartment and as many as possible of the forward compartments (between the forepeak and the after end of the machinery space) shall be kept within the floodable length.

Regulation 6

Special Rules concerning Subdivision

- (a) Where in a portion or portions of a ship the watertight bulkheads are carried to a higher deck than in the remainder of the ship and it is desired to take advantage of this higher extension of the bulkheads in calculating the floodable length, separate margin lines may be used for each such portion of the ship provided that—

- (i) the sides of the ship are extended throughout the ship's length to the deck corresponding to the upper margin line and all openings in the shell plating below this deck throughout the length of the ship are treated as being below a margin line, for the purposes of Regulation 14 of this Chapter; and

(ii) the two compartments adjacent to the "step" in the bulkhead deck are each within the permissible length corresponding to their respective margin lines, and, in addition, their combined length does not exceed twice the permissible length based on the lower margin line.

(b) (i) A compartment may exceed the permissible length determined by the rules of Regulation 5 of this Chapter provided the combined length of each pair of adjacent compartments to which the compartment in question is common does not exceed either the floodable length or twice the permissible length, whichever is the less.

(ii) If one of the two adjacent compartments is situated inside the machinery space, and the second is situated outside the machinery space, and the average permeability of the portion of the ship in which the second is situated differs from that of the machinery space, the combined length of the two compartments shall be adjusted to the mean average permeability of the two portions of the ship in which the compartments are situated.

(iii) Where the two adjacent compartments have different factors of subdivision, the combined length of the two compartments shall be determined proportionately.

(c) In ships 330 feet (or 100 metres) in length and upwards, one of the main transverse bulkheads abaft the forepeak shall be fitted at a distance from forward perpendicular which is not greater than the permissible length.

(d) A main transverse bulkhead may be recessed provided that all parts of the recess lie inboard of vertical surfaces on both sides of the ship, situated at a distance from the shell plating equal to one-fifth the breadth of the ship, as defined in Regulation 2 of this Chapter, and measured at right angles to the centre line at the level of the deepest subdivision loadline.

Any part of a recess which lies outside these limits shall be dealt with as a step in accordance with paragraph (e) of this Regulation.

(e) A main transverse bulkhead may be stepped provided that it meets one of the following conditions:—

(i) the combined length of the two compartments, separated by the bulkhead in question, does not exceed either 90 per cent. of the floodable length or twice the permissible length, except that in ships having a factor of subdivision greater than .9, the combined length of the two compartments in question shall not exceed the permissible length;

(ii) additional subdivision is provided in way of the step to maintain the same measure of safety as that secured by a plane bulkhead;

(iii) the compartment over which the step extends does not exceed the permissible length corresponding to a margin line taken 3 inches (or 76 millimetres) below the step.

(f) Where a main transverse bulkhead is recessed or stepped, an equivalent plane bulkhead shall be used in determining the subdivision.

(g) If the distance between two adjacent main transverse bulkheads, or their equivalent plane bulkheads, or the distance between the transverse planes passing through the nearest stepped portions of the bulkheads, is less than 10 feet (or 3.05 metres) plus 3 per cent. of the length of the ship, or 35 feet (or 10.67 metres) whichever is the less, only one of these bulkheads shall be regarded as forming part of the subdivision of the ship in accordance with the provisions of Regulation 5 of this Chapter.

(h) Where a main transverse watertight compartment contains local subdivision and it can be shown to the satisfaction of the Administration that, after any assumed side damage extending over a length of 10 feet (or 3.05 metres) plus 3 per cent. of the length of the ship, or 35 feet (or 10.67 metres) whichever is the less, the whole volume of the main compartment will not be flooded, a proportionate allowance may be made in the permissible length otherwise required for such compartment. In such a case the volume of effective buoyancy assumed on the undamaged side shall not be greater than that assumed on the damaged side.

(i) Where the required factor of subdivision is .50 or less, the combined length of any two adjacent compartments shall not exceed the floodable length.

Regulation 7

Stability of Ships in Damaged Condition

(a) Sufficient intact stability shall be provided in all service conditions so as to enable the ship to withstand the final stage of flooding of any one main compartment which is required to be within the floodable length.

Where two adjacent main compartments are separated by a bulkhead which is stepped under the conditions of sub-paragraph (e) (i) of Regulation 6 of this Chapter the intact stability shall be adequate to withstand the flooding of those two adjacent main compartments.

Where the required factor of subdivision is .50 or less but more than .33 intact stability shall be adequate to withstand the flooding of any two adjacent main compartments.

Where the required factor of subdivision is .33 or less the intact stability shall be adequate to withstand the flooding of any three adjacent main compartments.

(b) (i) The requirements of paragraph (a) of this Regulation shall be determined by calculations which are in accordance with paragraphs (c), (d) and (f) of this Regulation and which take into consideration the proportions and

design characteristics of the ship and the arrangement and configuration of the damaged compartments. In making these calculations the ship is to be assumed in the worst anticipated service condition as regards stability.

(ii) Where it is proposed to fit decks, inner skins or longitudinal bulkheads of sufficient tightness to seriously restrict the flow of water, the Administration shall be satisfied that proper consideration is given to such restrictions in the calculations.

(iii) In cases where the Administration considers the range of stability in the damaged condition to be doubtful, it may require investigation thereof.

(c) For the purpose of making damage stability calculations the volume and surface permeabilities shall be in general as follows:

| Spaces | Permeability |
|---------------------------------------|----------------------|
| Appropriated to Cargo, Coal or Stores | 60 |
| Occupied by Accommodation | 95 |
| Occupied by Machinery | 85 |
| Intended for Liquids | 0 or 95* |

*Whichever results in the more severe requirements.

Higher surface permeabilities are to be assumed in respect of spaces which, in the vicinity of the damage waterplane, contain no substantial quantity of accommodation or machinery and spaces which are not generally occupied by any substantial quantity of cargo or stores.

(d) Assumed extent of damage shall be as follows:—

(i) *longitudinal extent*: 10 feet (or 3.05 metres) plus 3 per cent. of the length of the ship, or 35 feet (or 10.67 metres) whichever is the less. Where the required factor of subdivision is .33 or less the assumed longitudinal extent of damage shall be increased as necessary so as to include any two consecutive main transverse watertight bulkheads;

(ii) *transverse extent* (measured inboard from the ship's side, at right angles to the centre line at the level of the deepest subdivision load line): a distance of one-fifth of the breadth of the ship, as defined in Regulation 2 of this Chapter; and

(iii) *vertical extent*: from the base line upwards without limit.

(iv) If any damage of lesser extent than that indicated in sub-paragraphs (i), (ii) and (iii) of this paragraph would result in a more severe condition regarding heel or loss of metacentric height, such damage shall be assumed in the calculations.

(e) Unsymmetrical flooding is to be kept to a minimum consistent with efficient arrangements. Where it is necessary to correct large angles of heel, the means adopted shall, where practicable, be self-acting, but in any case where controls to cross-flooding fittings are provided they shall be operable from above the bulkhead deck. These fittings together with their controls as well as the maximum heel before equalisation shall be acceptable to the Administration. Where cross-flooding fittings are required the time for equalisation shall not exceed 15 minutes. Suitable information concerning the use of cross-flooding fittings shall be supplied to the master of the ship.

(f) The final conditions of the ship after damage and, in the case of unsymmetrical flooding, after equalisation measures have been taken shall be as follows:—

(i) in the case of symmetrical flooding there shall be a positive residual metacentric height of at least 2 inches (or 0.05 metres) as calculated by the constant displacement method;

(ii) in the case of unsymmetrical flooding the total heel shall not exceed seven degrees, except that, in special cases, the Administration may allow additional heel due to the unsymmetrical moment, but in no case shall the final heel exceed fifteen degrees;

(iii) in no case shall the margin line be submerged in the final stage of flooding. If it is considered that the margin line may become submerged during an intermediate stage of flooding, the Administration may require such investigations and arrangements as it considers necessary for the safety of the ship.

(g) The master of the ship shall be supplied with the data necessary to maintain sufficient intact stability under service conditions to enable the ship to withstand the critical damage. In the case of ships requiring cross-flooding the master of the ship shall be informed of the conditions of stability on which the calculations of heel are based and be warned that excessive heeling might result should the ship sustain damage when in a less favourable condition.

(h) (i) No relaxation from the requirements for damage stability may be considered by the Administration unless it is shown that the intact metacentric height in any service condition necessary to meet these requirements is excessive for the service intended.

(ii) Relaxations from the requirements for damage stability shall be permitted only in exceptional cases and subject to the condition that the Administration is to be satisfied that the proportions, arrangements and other characteristics of the ship are the most favourable to stability after damage which can practically and reasonably be adopted in the particular circumstances.

Regulation 8*Ballasting*

When ballasting with water is necessary, the water ballast should not in general be carried in tanks intended for oil fuel. In ships in which it is not practicable to avoid putting water in oil fuel tanks, oily-water separator equipment to the satisfaction of the Administration shall be fitted, or other alternative means acceptable to the Administration shall be provided for disposing of the oily-water ballast.

Regulation 9*Peak and Machinery Space Bulkheads, Shaft Tunnels, &c.*

(a) (i) A ship shall have a forepeak or collision bulkhead, which shall be watertight up to the bulkhead deck. This bulkhead shall be fitted not less than 5 per cent. of the length of the ship, and not more than 10 feet (or 3.05 metres) plus 5 per cent. of the length of the ship from the forward perpendicular.

(ii) If the ship has a long forward superstructure, the forepeak bulkhead shall be extended weathertight to the deck next above the bulkhead deck. The extension need not be fitted directly over the bulkhead below, provided it is at least 5 per cent. of the length of the ship from the forward perpendicular, and the part of the bulkhead deck which forms the step is made effectively weathertight.

(b) An afterpeak bulkhead, and bulkheads dividing the machinery space, as defined in Regulation 2 of this Chapter, from the cargo and passenger spaces forward and aft, shall also be fitted and made watertight up to the bulkhead deck. The afterpeak bulkhead may, however, be stopped below the bulkhead deck, provided the degree of safety of the ship as regards subdivision is not thereby diminished.

(c) In all cases stern tubes shall be enclosed in watertight spaces of moderate volume. The stern gland shall be situated in a watertight shaft tunnel or other watertight space separate from the stern tube compartment and of such volume that, if flooded by leakage through the stern gland, the margin line will not be submerged.

Regulation 10*Double Bottoms*

(a) A double bottom shall be fitted extending from the forepeak bulkhead to the afterpeak bulkhead as far as this is practicable and compatible with the design and proper working of the ship.

(i) In ships 165 feet (or 50 metres) and under 200 feet (or 61 metres) in length a double bottom shall be fitted at least from the machinery space to the forepeak bulkhead, or as near thereto as practicable.

(ii) In ships 200 feet (or 61 metres) and under 249 feet (or 76 metres) in length a double bottom shall be fitted at least outside the machinery space, and shall extend to the fore and after peak bulkheads, or as near thereto as practicable.

(iii) In ships 249 feet (or 76 metres) in length and upwards a double bottom shall be fitted amidships, and shall extend to the fore and after peak bulkheads, or as near thereto as practicable.

(b) Where a double bottom is required to be fitted its depth shall be to the satisfaction of the Administration and the inner bottom shall be continued out to the ship's sides in such a manner as to protect the bottom to the turn of the bilge. Such protection will be deemed satisfactory if the line of intersection of the outer edge of the margin plate with the bilge plating is not lower at any part than a horizontal plane passing through the point of intersection with the frame line amidships of a transverse diagonal line inclined at 25 degrees to the base line and cutting it at a point one-half the ship's moulded breadth from the middle line.

(c) Small wells constructed in the double bottom in connection with drainage arrangements of holds, &c., shall not extend downwards more than necessary. The depth of the well shall in no case be more than the depth less 18 inches (or 457 millimetres) of the double bottom at the centreline, nor shall the well extend below the horizontal plane referred to in paragraph (b) of this Regulation. A well extending to the outer bottom is, however, permitted at the after end of the shaft tunnel of screw ships. Other wells (e.g., for lubricating oil under main engines) may be permitted by the Administration if satisfied that the arrangements give protection equivalent to that afforded by a double bottom complying with this Regulation.

(d) A double bottom need not be fitted in way of watertight compartments of moderate size used exclusively for the carriage of liquids, provided the safety of the ship, in the event of bottom or side damage, is not, in the opinion of the Administration, thereby impaired.

(e) In the case of ships to which the provisions of paragraph (d) of Regulation 1 of this Chapter apply and which are engaged on regular service within the limits of a short international voyage as defined in Regulation 2 of Chapter III, the Administration may permit a double bottom to be dispensed with in any part of the ship which is subdivided by a factor not exceeding .50, if satisfied that the fitting of a double bottom in that part would not be compatible with the design and proper working of the ship.

Regulation 11*Assigning, Marking and Recording of Subdivision Loadlines*

(a) In order that the required degree of subdivision shall be maintained, a loadline corresponding to the approved subdivision draught shall be assigned and marked on the ship's sides. A ship having spaces which are specially adapted for the accommodation of passengers and the carriage of cargo alternatively may, if the owners desire, have one or more additional loadlines assigned and marked to correspond with the subdivision draughts which the Administration may approve for the alternative service conditions.

(b) The subdivision loadlines assigned and marked shall be recorded in the Passenger Ship Safety Certificate, and shall be distinguished by the notation C.1 for the principal passenger condition, and C.2, C.3, &c., for the alternative conditions.

(c) The freeboard corresponding to each of these loadlines shall be measured at the same position and from the same deck line as the freeboards determined in accordance with the International Convention respecting Load Lines in force.

(d) The freeboard corresponding to each approved subdivision loadline and the conditions of service for which it is approved, shall be clearly indicated on the Passenger Ship Safety Certificate.

(e) In no case shall any subdivision loadline mark be placed above the deepest loadline in salt water as determined by the strength of the ship and/or the International Convention respecting Load Lines in force.

(f) Whatever may be the position of the subdivision loadline marks, a ship shall in no case be loaded so as to submerge the loadline mark appropriate to the season and locality as determined in accordance with the International Convention respecting Load Lines in force.

(g) A ship shall in no case be so loaded that when she is in salt water the subdivision loadline mark appropriate to the particular voyage and condition of service is submerged.

Regulation 12*Construction and Initial Testing of Watertight Bulkheads, &c.*

(a) Each watertight subdivision bulkhead, whether transverse or longitudinal, shall be constructed in such a manner that it shall be capable of supporting, with a proper margin of resistance, the pressure due to the maximum head of water which it might have to sustain in the event of damage to the ship but at least the pressure due to a head of water up to the margin line. The construction of these bulkheads shall be to the satisfaction of the Administration.

(b) (i) Steps and recesses in bulkheads shall be watertight and as strong as the bulkhead at the place where each occurs.

(ii) Where frames or beams pass through a watertight deck or bulkhead, such deck or bulkhead shall be made structurally watertight without the use of wood or cement.

(c) Testing main compartments by filling them with water is not compulsory. When testing by filling with water is not carried out, a hose test is compulsory; this test shall be carried out in the most advanced stage of the fitting out of the ship. In any case, a thorough inspection of the watertight bulkheads shall be carried out.

(d) The forepeak, double bottoms (including duct keels) and inner skins shall be tested with water to a head corresponding to the requirements of paragraph (a) of this Regulation.

(e) Tanks which are intended to hold liquids, and which form part of the subdivision of the ship, shall be tested for tightness with water to a head up to the deepest subdivision loadline or to a head corresponding to two-thirds of the depth from the top of keel to the margin line in way of the tanks, whichever is the greater; provided that in no case shall the test head be less than 3 feet (or 0.92 metres) above the top of the tank.

(f) The tests referred to in paragraphs (d) and (e) of this Regulation are for the purpose of ensuring that the subdivision structural arrangements are watertight and are not to be regarded as a test of the fitness of any compartment for the storage of oil fuel or for other special purposes for which a test of a superior character may be required depending on the height to which the liquid has access in the tank or its connections.

Regulation 13*Openings in Watertight Bulkheads*

(a) The number of openings in watertight bulkheads shall be reduced to the minimum compatible with the design and proper working of the ship; satisfactory means shall be provided for closing these openings.

(b) (i) Where pipes, scuppers, electric cables, &c., are carried through watertight subdivision bulkheads, arrangements shall be made to ensure the integrity of the watertightness of the bulkheads.

(ii) Valves and cocks not forming part of a piping system shall not be permitted in watertight subdivision bulkheads.

(iii) Lead or other heat sensitive materials shall not be used in systems which penetrate watertight subdivision bulkheads, where deterioration of such systems in the event of fire would impair the watertight integrity of the bulkheads.

(c) (i) No doors, manholes, or access openings are permitted:—

(1) in the collision bulkhead below the margin line;

(2) in watertight transverse bulkheads dividing a cargo space from an adjoining cargo space or from a permanent or reserve bunker, except as provided in paragraph (i) of this Regulation.

(ii) Except as provided in sub-paragraph (iii) of this paragraph, the collision bulkhead may be pierced below the margin line by not more than one pipe for dealing with fluid in the forepeak tank, provided that the pipe is fitted with a screwdown valve capable of being operated from above the bulkhead deck, the valve chest being secured inside the forepeak to the collision bulkhead.

(iii) If the forepeak is divided to hold two different kinds of liquids the Administration may allow the collision bulkhead to be pierced below the margin line by two pipes, each of which is fitted as required by sub-paragraph (ii) of this paragraph, provided the Administration is satisfied that there is no practical alternative to the fitting of such a second pipe and that, having regard to the additional subdivision provided in the forepeak, the safety of the ship is maintained.

(d) (i) Watertight doors fitted in bulkheads between permanent and reserve bunkers shall be always accessible, except as provided in sub-paragraph (ii) of paragraph (k) of this Regulation for between deck bunker doors.

(ii) Satisfactory arrangements shall be made by means of screens or otherwise to prevent the coal from interfering with the closing of watertight bunker doors.

(e) Within spaces containing the main and auxiliary propelling machinery including boilers serving the needs of propulsion and all permanent bunkers, not more than one door apart from the doors to bunkers and shaft tunnels may be fitted in each main transverse bulkhead. Where two or more shafts are fitted the tunnels shall be connected by an inter-communicating passage. There shall be only one door between the machinery space and the tunnel spaces where two shafts are fitted and only two doors where there are more than two shafts. All these doors shall be of the sliding type and shall be located so as to have their sills as high as practicable. The hand gear for operating these doors from above the bulkhead deck shall be situated outside the spaces containing the machinery if this is consistent with a satisfactory arrangement of the necessary gearing.

(f) (i) Watertight doors shall be sliding doors or hinged doors or doors of an equivalent type. Plate doors secured only by bolts and doors required to be closed by dropping or by the action of a dropping weight are not permitted.

(ii) Sliding doors may be either:—

hand operated only, or

power operated as well as hand operated.

(iii) Authorized watertight doors may therefore be divided into three Classes:—

Class 1—hinged doors;

Class 2—hand operated sliding doors;

Class 3—sliding doors which are power operated as well as hand operated.

(iv) The means of operation of any watertight door whether power operated or not shall be capable of closing the door with the ship listed to 15 degrees either way.

(v) In all classes of watertight doors indicators shall be fitted which show, at all operating stations from which the doors are not visible, whether the doors are open or closed. If any of the watertight doors, of whatever Class, is not fitted so as to enable it to be closed from a central control station, it shall be provided with a mechanical, electrical, telephonic, or any other suitable direct means of communication, enabling the officer of the watch promptly to contact the person who is responsible for closing the door in question, under previous orders.

(g) Hinged doors (Class 1) shall be fitted with quick action closing devices, such as catches, workable from each side of the bulkhead.

(h) Hand operated sliding doors (Class 2) may have a horizontal or vertical motion. It shall be possible to operate the mechanism at the door itself from either side, and in addition, from an accessible position above the bulkhead deck, with an all round crank motion, or some other movement providing the same guarantee of safety and of an approved type. Departures from the requirement of operation on both sides may be allowed, if this requirement is impossible owing to the layout of the spaces. When operating a hand gear the time necessary for the complete closure of the door with the vessel upright, shall not exceed 90 seconds.

(i) (i) Power operated sliding doors (Class 3) may have a vertical or horizontal motion. If a door is required to be power operated from a central control, the gearing shall be so arranged that the door can be operated by power also at the door itself from both sides. The arrangement shall be such that the door will close automatically if opened by local control after being closed from the central control, and also such that any door can be kept closed by local systems which will prevent the door from being opened from the upper control. Local control handles in connection with the power gear shall be provided each side of the bulkhead and shall be so arranged as to enable persons passing through the doorway to hold both handles in the open position without being able to set the closing mechanism in operation accidentally. Power operated sliding doors shall be provided with hand gear workable at the door itself on either side and from an accessible position

above the bulkhead deck, with an all round crank motion or some other movement providing the same guarantee of safety and of an approved type. Provision shall be made to give warnings by sound signal that the door has begun to close and will continue to move until it is completely closed. The door shall take a sufficient time to close to ensure safety.

(ii) There shall be at least two independent power sources capable of opening and closing all the doors under control, each of them capable of operating all the doors simultaneously. The two power sources shall be controlled from the central station on the bridge provided with all the necessary indicators for checking that each of the two power sources is capable of giving the required service satisfactorily.

(iii) In the case of hydraulic operation, each power source shall consist of a pump capable of closing all doors in not more than 60 seconds. In addition, there shall be for the whole installation hydraulic accumulators of sufficient capacity to operate all the doors at least three times, *i.e.*, closed—open—closed. The fluid used shall be one which does not freeze at any of the temperatures liable to be encountered by the ship during its service.

(j) (i) Hinged watertight doors (Class 1) in passenger, crew and working spaces are only permitted above a deck the underside of which, at its lowest point at side, is at least 7 feet (or 2.13 metres) above the deepest subdivision loadline.

(ii) Watertight doors, the sills of which are above the deepest loadline and below the line specified in the preceding sub-paragraph shall be sliding doors and may be hand operated (Class 2), except in vessels engaged on short international voyages and required to have a factor of subdivision of 50 or less in which all such doors shall be power operated. When trunkways in connection with refrigerated cargo and ventilation or forced draught ducts are carried through more than one main watertight subdivision bulkhead, the doors at such openings shall be operated by power.

(k) (i) Watertight doors which may sometimes be opened at sea, and the sills of which are below the deepest subdivision loadline shall be sliding doors. The following rules shall apply:—

(1) when the number of such doors (excluding doors at entrances to shaft tunnels) exceeds five, all of these doors and those at the entrance to shaft tunnels or ventilation or forced draught ducts, shall be power operated (Class 3) and shall be capable of being simultaneously closed from a central station situated on the bridge;

(2) when the number of such doors (excluding doors at entrances to shaft tunnels) is greater than one, but does not exceed five,

(a) where the ship has no passenger spaces below the bulkhead deck, all the above mentioned doors may be hand operated (Class 2);

(b) where the ship has passenger spaces below the bulkhead deck all the above mentioned doors shall be power operated (Class 3) and shall be capable of being simultaneously closed from a central station situated on the bridge;

(3) in any ship where there are only two such watertight doors and they are into or within the space containing machinery, the Administration may allow these two doors to be hand operated only (Class 2).

(ii) If sliding watertight doors which have sometimes to be open at sea for the purpose of trimming coal are fitted between bunkers in the between decks below the bulkhead deck, these doors shall be operated by power. The opening and closing of these doors shall be recorded in such log book as may be prescribed by the Administration.

(l) (i) If the Administration is satisfied that such doors are essential, watertight doors of satisfactory construction may be fitted in watertight bulkheads dividing cargo between deck spaces. Such doors may be hinged, rolling or sliding doors but shall not be remotely controlled. They shall be fitted at the highest level and as far from the shell plating as practicable, but in no case shall the outboard vertical edges be situated at a distance from the shell plating which is less than one-fifth of the breadth of the ship, as defined in Regulation 2 of this Chapter, such distance being measured at right angles to the centre line of the ship at the level of the deepest subdivision loadline.

(ii) Such doors shall be closed before the voyage commences and shall be kept closed during navigation; and the time of opening such doors in port and of closing them before the ship leaves port shall be entered in the log book. Should any of the doors be accessible during the voyage, they shall be fitted with a device which prevents unauthorized opening. When it is proposed to fit such doors, the number and arrangements shall receive the special consideration of the Administration.

(m) Portable plates on bulkheads shall not be permitted except in machinery spaces. Such plates shall always be in place before the ship leaves port, and shall not be removed during navigation except in case of urgent necessity. The necessary precautions shall be taken in replacing them to ensure that the joints shall be watertight.

(n) All watertight doors shall be kept closed during navigation except when necessarily opened for the working of the ship, and shall always be ready to be immediately closed.

(o) (i) Where trunkways or tunnels for access from crew accommodation to the stokehold, for piping, or for any other purpose are carried through main transverse watertight bulkheads, they shall be watertight and in accordance with the requirements of Regulation 16 of this Chapter. The access to at least one end of each such tunnel or trunkway, if used as a passage at sea, shall be through a trunk extending watertight to a height sufficient to permit access above the margin line. The access to the other end of the trunkway or tunnel may be through a watertight door of the type required by its location in the ship. Such trunkways or tunnels shall not extend through the first subdivision bulkhead abaft the collision bulkhead.

(ii) Where it is proposed to fit tunnels or trunkways for forced draught, piercing main transverse watertight bulkheads, these shall receive the special consideration of the Administration.

Regulation 14

Openings in the Shell Plating below the Margin Line

(a) The number of openings in the shell plating shall be reduced to the minimum compatible with the design and proper working of the ship.

(b) The arrangement and efficiency of the means for closing any opening in the shell plating shall be consistent with its intended purpose and the position in which it is fitted and generally to the satisfaction of the Administration.

(c) (i) If in a between decks, the sills of any sidescuttles are below a line drawn parallel to the bulkhead deck at side and having its lowest point $2\frac{1}{2}$ per cent. of the breadth of the ship above the deepest subdivision loadline, all sidescuttles in that between deck shall be of the non-opening type.

(ii) All sidescuttles the sills of which are below the margin line, other than those required to be of a non-opening type by sub-paragraph (i) of this paragraph, shall be of such construction as will effectively prevent any person opening them without the consent of the master of the ship.

(iii) (1) Where in a between decks, the sills of any of the sidescuttles referred to in sub-paragraph (ii) of this paragraph are below a line drawn parallel to the bulkhead deck at side and having its lowest point $4\frac{1}{2}$ feet (or 1.37 metres) plus $2\frac{1}{2}$ per cent. of the breadth of the ship above the water when the ship departs from any port, all the sidescuttles in that between decks shall be closed watertight and locked before the ship leaves port, and they shall not be opened before the ship arrives at the next port. In the application of this sub-paragraph the appropriate allowance for fresh water may be made when applicable.

(2) The time of opening such sidescuttles in port and of closing and locking them before the ship leaves port shall be entered in such log book as may be prescribed by the Administration.

(3) For any ship that has one or more sidescuttles so placed that the requirements of clause (1) of this sub-paragraph would apply when she was floating at her deepest subdivision loadline, the Administration may indicate the limiting mean draught at which these sidescuttles will have their sills above the line drawn parallel to the bulkhead deck at side, and having its lowest point $4\frac{1}{2}$ feet (or 1.37 metres) plus $2\frac{1}{2}$ per cent. of the breadth of the ship above the waterline corresponding to the limiting mean draught, and at which it will therefore be permissible to depart from port without previously closing and locking them and to open them at sea on the responsibility of the master during the voyage to the next port. In tropical zones as defined in the International Convention respecting Load Lines in force, this limiting draught may be increased by 1 foot (or 0.305 metres).

(d) Efficient hinged inside deadlights arranged so that they can be easily and effectively closed and secured watertight shall be fitted to all sidescuttles except that abaft one-eighth of the ship's length from the forward perpendicular and above a line drawn parallel to the bulkhead deck at side and having its lowest point at a height of 12 feet (or 3.66 metres) plus $2\frac{1}{2}$ per cent. of the breadth of the ship above the deepest subdivision loadline, the deadlights may be portable in passenger accommodation other than that for steerage passengers, unless the deadlights are required by the International Convention respecting Load Lines in force to be permanently attached in their proper positions. Such portable deadlights shall be stowed adjacent to the sidescuttles they serve.

(e) Sidescuttles and their deadlights, which will not be accessible during navigation, shall be closed and secured before the ship leaves port.

(f) (i) No sidescuttles shall be fitted in any spaces which are appropriated exclusively to the carriage of cargo or coal.

(ii) Sidescuttles may, however, be fitted in spaces appropriated alternatively to the carriage of cargo or passengers, but they shall be of such construction as will effectively prevent any person opening them or their deadlights without the consent of the master of the ship.

(iii) If cargo is carried in such spaces, the sidescuttles and their deadlights shall be closed watertight and locked before the cargo is shipped and such closing and locking shall be recorded in such log book as may be prescribed by the Administration.

(g) Automatic ventilating sidescuttles shall not be fitted in the shell plating below the margin line without the special sanction of the Administration.

(h) The number of scuppers, sanitary discharges and other similar openings in the shell plating shall be reduced to the minimum either by making each discharge serve for as many as possible of the sanitary and other pipes, or in any other satisfactory manner.

(i) (i) All inlets and discharges in the shell plating shall be fitted with efficient and accessible arrangements for preventing the accidental admission of water into the ship. Lead or other heat sensitive materials shall not be used for pipes fitted outboard of shell valves in inlets or discharges, or any other application where the deterioration of such pipes in the event of fire would give rise to danger of flooding.

(ii) (1) Except as provided in sub-paragraph (iii) of this paragraph, each separate discharge led through the shell plating from spaces below the margin line shall be provided either with one automatic non-return valve fitted with a positive means of closing it from above the bulkhead deck, or, alternatively, with two automatic non-return valves without such means, the upper of which is so situated above the deepest subdivision loadline as to be always accessible for examination under service conditions, and is of a type which is normally closed.

(2) Where a valve with positive means of closing is fitted, the operating position above the bulkhead deck shall always be readily accessible, and means shall be provided for indicating whether the valve is open or closed.

(iii) Main and auxiliary sea inlets and discharges in connection with machinery shall be fitted with readily accessible cocks or valves between the pipes and shell plating or between the pipes and fabricated boxes attached to the shell plating.

(j) (i) Gangway, cargo and coaling ports fitted below the margin line shall be of sufficient strength. They shall be effectively closed and secured watertight before the ship leaves port, and shall be kept closed during navigation.

(ii) Such ports shall be in no case fitted so as to have their lowest point below the deepest subdivision loadline.

(k) (i) The inboard opening of each ash-shoot, rubbish-shoot, &c. shall be fitted with an efficient cover.

(ii) If the inboard opening is situated below the margin line, the cover shall be watertight, and in addition an automatic non-return valve shall be fitted in the shoot in an easily accessible position above the deepest subdivision loadline. When the shoot is not in use both the cover and the valve shall be kept closed and secured.

Regulation 15

Construction and Initial Tests of Watertight Doors, Sidescuttles, &c.

(a) (i) The design, materials and construction of all watertight doors, sidescuttles, gangway, cargo and coaling ports, valves, pipes, ash-shoots and rubbish-shoots referred to in these Regulations shall be to the satisfaction of the Administration.

(ii) The frames of vertical watertight doors shall have no groove at the bottom in which dirt might lodge and prevent the door closing properly.

(iii) All cocks and valves for sea inlets and discharges below the bulkhead deck and all fittings outboard of such cocks and valves shall be made of steel, bronze or other approved ductile material. Ordinary cast iron or similar materials shall not be used.

(b) Each watertight door shall be tested by water pressure to a head up to the bulkhead deck. The test shall be made before the ship is put in service, either before or after the door is fitted.

Regulation 16

Construction and Initial Tests of Watertight Decks, Trunks, &c.

(a) Watertight decks, trunks, tunnels, duct keels and ventilators shall be of the same strength as watertight bulkheads at corresponding levels. The means used for making them watertight, and the arrangements adopted for closing openings in them, shall be to the satisfaction of the Administration. Watertight ventilators and trunks shall be carried at least up to the bulkhead deck.

(b) After completion, a hose or flooding test shall be applied to watertight decks and a hose test to watertight trunks, tunnels and ventilators.

Regulation 17

Watertight Integrity above the Margin Line

(a) The Administration may require that all reasonable and practicable measures shall be taken to limit the entry and spread of water above the bulkhead deck. Such measures may include partial bulkheads or webs. When partial watertight bulkheads and webs are fitted on the bulkhead deck, above or in the immediate vicinity of main subdivision bulkheads, they shall have watertight shell and bulkhead deck connections so as to restrict the flow of water along the deck when the ship is in a heeled damaged condition. Where the partial watertight bulkhead does not line up with the bulkhead below, the bulkhead deck between shall be made effectively watertight.

(b) The bulkhead deck or a deck above it shall be weathertight in the sense that in ordinary sea conditions water will not penetrate in a downward direction. All openings in the exposed weather deck shall have coamings of ample height and strength and shall be provided with efficient means

for expeditiously closing them weathertight. Freeing ports, open rails and/or scuppers shall be fitted as necessary for rapidly clearing the weather deck of water under all weather conditions.

(c) Sidescuttles, gangway, cargo and coaling ports and other means for closing openings in the shell plating above the margin line shall be of efficient design and construction and of sufficient strength having regard to the spaces in which they are fitted and their positions relative to the deepest subdivision loadline.

(d) Efficient inside deadlights, arranged so that they can be easily and effectively closed and secured watertight, shall be provided for all sidescuttles to spaces below the first deck above the bulkhead deck.

Regulation 18

Bilge Pumping Arrangements in Passenger Ships

(a) Ships shall be provided with an efficient bilge pumping plant capable of pumping from and draining any watertight compartment which is neither a permanent oil compartment nor a permanent water compartment under all practicable conditions after a casualty whether the ship is upright or listed. For this purpose wing suctions will generally be necessary except in narrow compartments at the ends of the ship, where one suction may be sufficient. In compartments of unusual form, additional suctions may be required. Arrangements shall be made whereby water in the compartment may find its way to the suction pipes. Where in relation to particular compartments the Administration is satisfied that the provision of drainage may be undesirable, it may allow such provision to be dispensed with if calculations made in accordance with the conditions laid down in paragraph (b) of Regulation 7 of this Chapter show that the safety of the ship will not be impaired. Efficient means shall be provided for draining water from insulated holds.

(b) (i) Ships shall have at least three power pumps connected to the bilge main, one of which may be attached to the propelling unit. Where the criterion numeral is 30 or more, one additional independent power pump shall be provided.

(ii) The requirements are summarised in the following table:—

| Criterion numeral | Less than 30 | 30 and over |
|--|--------------|-------------|
| Main engine pump (may be replaced by one independent pump) | 1 | 1 |
| Independent pumps | 2 | 3 |

(iii) Sanitary, ballast and general service pumps may be accepted as independent power bilge pumps if fitted with the necessary connections to the bilge pumping system.

(c) Where practicable, the power bilge pumps shall be placed in separate watertight compartments so arranged or situated that these compartments will not readily be flooded by the same damage. If the engines and boilers are in two or more watertight compartments, the pumps available for bilge service shall be distributed throughout these compartments as far as is possible.

(d) On ships 300 feet (or 91.5 metres) or more in length or having a criterion numeral of 30 or more, the arrangements shall be such that at least one power pump shall be available for use in all ordinary circumstances in which a ship may be flooded at sea. This requirement will be satisfied if:—

(i) one of the required pumps is an emergency pump of a reliable submersible type having a source of power situated above the bulkhead deck; or

(ii) the pumps and their sources of power are so disposed throughout the length of the ship that under any condition of flooding which the ship is required to withstand, at least one pump in an undamaged compartment will be available.

(e) With the exception of additional pumps which may be provided for peak compartments only, each required bilge pump shall be arranged to draw water from any space required to be drained by paragraph (a) of this Regulation.

(f) (i) Each power bilge pump shall be capable of giving a speed of water through the required main bilge pipe of not less than 400 feet (or 122 metres) per minute. Independent power bilge pumps situated in machinery spaces shall have direct suctions from these spaces, except that not more than two such suctions shall be required in any one space. Where two or more such suctions are provided there shall be at least one on the port side and one on the starboard side. The Administration may require independent power bilge pumps situated in other spaces to have separate direct suctions. Direct suctions shall be suitably arranged and those in a machinery space shall be of a diameter not less than that required for the bilge main.

(ii) In coal-burning ships there shall be provided in the stokehold, in addition to the other suctions required by this Regulation, a flexible suction hose of suitable diameter and sufficient length, capable of being connected to the suction side of an independent power pump.

(g) (i) In addition to the direct bilge suction or suctions required by paragraph (f) of this Regulation there shall be in the machinery space a direct suction from the main circulating pump leading to the drainage level of the machinery space and fitted with a non-return valve. The diameter of this direct suction pipe shall be at least two-thirds of the diameter of the pump inlet in the case of steamships, and of the same diameter as the pump inlet in the case of motorships.

(ii) Where in the opinion of the Administration the main circulating pump is not suitable for this purpose, a direct emergency bilge suction shall be led from the largest available independent power driven pump to the drainage level of the machinery space; the suction shall be of the same diameter as the main inlet of the pump used. The capacity of the pump so connected shall exceed that of a required bilge pump by an amount satisfactory to the Administration.

(iii) The spindles of the sea inlet and direct suction valves shall extend well above the engine room platform.

(iv) Where the fuel is, or may be, coal and there is no watertight bulkhead between the engines and the boilers, a direct discharge overboard or alternatively a by-pass to the circulating pump discharge, shall be fitted from any circulating pump used in compliance with sub-paragraph (i) of this paragraph.

(h) (i) All pipes from the pumps which are required for draining cargo or machinery spaces shall be entirely distinct from pipes which may be used for filling or emptying spaces where water or oil is carried.

(ii) All bilge pipes used in or under coal bunkers or fuel storage tanks or in boiler or machinery spaces, including spaces in which oil-settling tanks or oil fuel pumping units are situated, shall be of steel or other approved material.

(i) The diameter of the bilge main shall be calculated according to the following formulae provided that the actual internal diameter of the bilge main may be of the nearest standard size acceptable to the Administration:

$$d = \sqrt{\frac{L(B+D)}{2,500}} + 1$$

where d = internal diameter of the bilge main in inches

L = length of ship in feet

B = breadth of ship in feet

D = moulded depth of ship to bulkhead deck in feet;

$$d = 1.68 \sqrt{L(B+D)+25}$$

where d = internal diameter of the bilge main in millimetres

L = length of ship in metres

B = breadth of ship in metres

D = moulded depth of ship to bulkhead deck in metres.

The diameter of the bilge branch pipes shall be determined by rules to be made by the Administration.

(j) The arrangement of the bilge and ballast pumping system shall be such as to prevent the possibility of water passing from the sea and from water ballast spaces into the cargo and machinery spaces, or from one compartment to another. Special provision shall be made to prevent any deep tank having bilge and ballast connections being inadvertently run up from the sea when containing cargo, or pumped out through a bilge pipe when containing water ballast.

(k) Provision shall be made to prevent the compartment served by any bilge suction pipe being flooded in the event of the pipe being severed, or otherwise damaged by collision or grounding in any other compartment. For this purpose, where the pipe is at any part situated nearer the side of the ship than one-fifth the breadth of the ship (measured at right angles to the centre line at the level of the deepest subdivision load line), or in a duct keel, a non-return valve shall be fitted to the pipe in the compartment containing the open end.

(l) All the distribution boxes, cocks and valves in connection with the bilge pumping arrangements shall be in positions which are accessible at all times under ordinary circumstances. They shall be so arranged that, in the event of flooding, one of the bilge pumps may be operative on any compartment; in addition, damage to a pump or its pipe connecting to the bilge main outboard of a line drawn at one-fifth of the breadth of the ship shall not put the bilge system out of action. If there is only one system of pipes common to all the pumps, the necessary cocks or valves for controlling the bilge suctions must be capable of being operated from above the bulkhead deck. Where in addition to the main bilge pumping system an emergency bilge pumping system is provided, it shall be independent of the main system and so arranged that a pump is capable of operating on any compartment under flooding conditions; in that case only the cocks and valves necessary for the operation of the emergency system need be capable of being operated from above the bulkhead deck.

(m) All cocks and valves mentioned in paragraph (l) of this Regulation which can be operated from above the bulkhead deck shall have their controls at their place of operation clearly marked and provided with means to indicate whether they are open or closed.

Regulation 19

Stability Information for Passenger Ships and Cargo Ships

(a) Every passenger ship and cargo ship shall be inclined upon its completion and the elements of its stability determined. The master shall be supplied with such reliable information as is necessary to enable him by rapid and simple processes to obtain accurate guidance as to the stability of the ship under varying conditions of service, and a copy shall be furnished to the Administration.

(b) Where any alterations are made to a ship so as to materially affect the stability information supplied to the master, amended stability information shall be provided. If necessary the ship shall be re-inclined.

(c) The Administration may allow the inclining test of an individual ship to be dispensed with provided basic stability data are available from the inclining test of a sister ship and it is shown to the satisfaction of the Administration that reliable stability information for the exempted ship can be obtained from such basic data.

(d) The Administration may also allow the inclining test of an individual ship or class of ships, especially designed for the carriage of liquids or ore in bulk, to be dispensed with when reference to existing data for similar ships clearly indicate that due to the ship's proportions and arrangements more than sufficient metacentric height will be available in all probable loading conditions.

Regulation 20

Damage Control Plans

There shall be permanently exhibited, for the guidance of the officer in charge of the ship, plans showing clearly for each deck and hold the boundaries of the watertight compartments, the openings therein with the means of closure and position of any controls thereof, and the arrangements for the correction of any list due to flooding. In addition, booklets containing the aforementioned information shall be made available to the officers of the ship.

Regulation 21

Marking, Periodical Operation and Inspection of Watertight Doors, &c.

(a) This Regulation applies to new and existing ships.

(b) Drills for the operating of watertight doors, sidescuttles, valves and closing mechanisms of scuppers, ash-shoots and rubbish-shoots shall take place weekly. In ships in which the voyage exceeds one week in duration

a complete drill shall be held before leaving port, and others thereafter at least once a week during the voyage. In all ships all watertight power doors and hinged doors, in main transverse bulkheads, in use at sea, shall be operated daily.

Regulation 22

Entries in Log

(a) This Regulation applies to new and existing ships.

(b) Hinged doors, portable plates, sidescuttles, gangway, cargo and coaling ports and other openings, which are required by these Regulations to be kept closed during navigation, shall be closed before the ship leaves port. The time of closing and the time of opening (if permissible under these Regulations) shall be recorded in such log book as may be prescribed by the Administration.

(c) A record of all drills and inspections required by Regulation 21 of this Chapter shall be entered in the log book with an explicit record of any defects which may be disclosed.

PART C.—MACHINERY AND ELECTRICAL INSTALLATIONS

(Part C applies to passenger ships and cargo ships)

Regulation 23

General

(a) Electrical installations in passenger ships shall be such that:—

- (i) services essential for safety will be maintained under various emergency conditions; and
- (ii) the safety of passengers, crew and ship from electrical hazards will be assured.

(b) Cargo ships shall comply with Regulations 26, 27, 28, 29, 30 and 33 of this Chapter.

Regulation 24*Main Source of Electrical Power in Passenger Ships*

(a) Every passenger ship, the electrical power of which constitutes the only means of maintaining the auxiliary services indispensable for the propulsion and the safety of the ship, shall be provided with at least two main generating sets. The power of these sets shall be such that it shall still be possible to ensure the functioning of the services referred to in subparagraph (a) (i) of Regulation 23 of this Chapter in the event of any one of these generating sets being stopped.

(b) In a passenger ship where there is only one main generating station, the main switchboard shall be located in the same main fire zone. Where there is more than one main generating station, it is permissible to have only one main switchboard.

Regulation 25*Emergency Source of Electrical Power in Passenger Ships*

(a) There shall be above the bulkhead deck and outside the machinery casings a self-contained emergency source of electrical power. Its location in relation to the main source or sources of electrical power shall be such as to ensure to the satisfaction of the Administration that a fire or other casualty to the machinery space as defined in paragraph (h) of Regulation 2 of this Chapter will not interfere with the supply or distribution of emergency power. It shall not be forward of the collision bulkhead.

(b) The power available shall be sufficient to supply all those services that are, in the opinion of the Administration, necessary for the safety of the passengers and the crew in an emergency, due regard being paid to such services as may have to be operated simultaneously. Special consideration shall be given to emergency lighting at every boat station on deck and oversides, in all alleyways, stairways and exits, in the machinery spaces and in the control stations as defined in paragraph (f) of Regulation 35 of this Chapter, to the sprinkler pump, to navigation lights, and to the daylight signalling lamp if operated from the main source of power. The power shall be adequate for a period of 36 hours, except that, in the case of ships engaged regularly on voyages of short duration, the Administration may accept a lesser supply if satisfied that the same standard of safety would be attained.

(c) The emergency source of power may be either:—

(i) a generator driven by a suitable prime-mover with an independent fuel supply and with approved starting arrangements; the fuel used shall have a flash point of not less than 110°F. (or 43°C.); or

(ii) an accumulator (storage) battery capable of carrying the emergency load without recharging or excessive voltage drop.

(d) (i) Where the emergency source of power is a generator there shall be provided a temporary source of emergency power consisting of an accumulator battery of sufficient capacity:—

- (1) to supply emergency lighting continuously for half an hour;
- (2) to close the watertight doors (if electrically operated) but not necessarily to close them all simultaneously;
- (3) to operate the indicators (if electrically operated) which show whether power operated watertight doors are open or closed; and
- (4) to operate the sound signals (if electrically operated) which give warning that power operated watertight doors are about to close.

The arrangements shall be such that the temporary source of emergency power will come into operation automatically in the event of failure of the main electrical supply.

(ii) Where the emergency source of power is an accumulator battery, arrangements shall be made to ensure that emergency lighting will automatically come into operation in the event of failure of the main lighting supply.

(e) An indicator shall be mounted in the machinery space, preferably on the main switchboard, to indicate when any accumulator battery fitted in accordance with this Regulation is being discharged.

(f) (i) The emergency switchboard shall be installed as near as is practicable to the emergency source of power.

(ii) Where the emergency source of power is a generator, the emergency switchboard shall be located in the same space as the emergency source of power, unless the operation of the emergency switchboard would thereby be impaired.

(iii) No accumulator battery fitted in accordance with this Regulation shall be installed in the same space as the emergency switchboard.

(iv) The Administration may permit the emergency switchboard to be supplied from the main switchboard in normal operation.

(g) Arrangements shall be such that the complete emergency installation will function when the ship is inclined 22½ degrees and/or when the trim of the ship is 10 degrees.

(h) Provision shall be made for the periodic testing of the emergency source of power and the temporary source of power, if provided, which shall include the testing of automatic arrangements.

Regulation 26*Emergency Source of Electrical Power in Cargo Ships**(a) Cargo ships of 5,000 Tons Gross Tonnage and upwards*

(i) In cargo ships of 5,000 tons gross tonnage and upwards there shall be a self-contained emergency source of power, located to the satisfaction of the Administration above the uppermost continuous deck and outside the machinery casings, to ensure its functioning in the event of fire or other casualty causing failure to the main electrical installation.

(ii) The power available shall be sufficient to supply all those services which are, in the opinion of the Administration, necessary for the safety of all on board in an emergency, due regard being paid to such services as may have to be operated simultaneously. Special consideration shall be given to:—

- (1) emergency lighting at every boat station on deck and oversides, in all alleyways, stairways and exits, in the main machinery space and main generating set space, on the navigating bridge and in the chartroom;
- (2) the general alarm; and
- (3) navigation lights if solely electric, and the daylight signalling lamp if operated by the main source of electrical power.

The power shall be adequate for a period of 6 hours.

(iii) The emergency source of power may be either:—

- (1) an accumulator (storage) battery capable of carrying the emergency load without recharging or excessive voltage drop; or
- (2) a generator driven by a suitable prime-mover with an independent fuel supply and with starting arrangements to the satisfaction of the Administration. The fuel used shall have a flash point of not less than 110°F. (or 43°C.).

(iv) Arrangements shall be such that the complete emergency installation will function when the ship is inclined 22½ degrees and/or when the trim of the ship is 10 degrees.

(v) Provision shall be made for the periodic testing of the complete emergency installation.

(b) Cargo ships of less than 5,000 Tons Gross Tonnage

(i) In cargo ships of less than 5,000 tons gross tonnage there shall be a self-contained emergency source of power located to the satisfaction of the Administration, and capable of supplying the illumination at launching stations and stowage positions of survival craft prescribed in sub-paragraphs

(a) (ii), (b) (ii) and (b) (iii) of Regulation 19 of Chapter III, and in addition such other services as the Administration may require, due regard being paid to Regulation 38 of Chapter III.

(ii) The power available shall be adequate for a period of at least 3 hours.

(iii) These ships shall also be subject to sub-paragraphs (iii), (iv), and (v) of paragraph (a) of this Regulation.

Regulation 27*Precautions against Shock, Fire and other Hazards of Electrical Origin**(a) Passenger Ships and Cargo Ships*

(i) (1) All exposed metal parts of electrical machines or equipment which are not intended to be "live", but are liable to become "live" under fault conditions, shall be earthed (grounded); and all electrical apparatus shall be so constructed and so installed that danger of injury in ordinary handling shall not exist.

(2) Metal frames of all portable electric lamps, tools and similar apparatus, supplied as ship's equipment and rated in excess of a safety voltage to be prescribed by the Administration shall be earthed (grounded) through a suitable conductor, unless equivalent provisions are made such as by double insulation or by an isolating transformer. The Administration may require additional special precautions for electric lamps, tools or similar apparatus for use in damp spaces.

(ii) Main and emergency switchboards shall be so arranged as to give easy access back and front, without danger to attendants. The sides and backs and, where necessary, the fronts of switchboards shall be suitably guarded. There shall be non-conducting mats or gratings front and rear where necessary. Exposed current carrying parts at voltages to earth (ground) exceeding a voltage to be specified by the Administration shall not be installed on the face of any switchboard or control panel.

(iii) (1) Where the hull return system of distribution is used, special precautions shall be taken to the satisfaction of the Administration.

(2) Hull return shall not be used in tankers.

(iv) (1) All metal sheaths and armour of cables shall be electrically continuous and shall be earthed (grounded).

(2) Where the cables are neither sheathed nor armoured and there might be a risk of fire in the event of an electrical fault, precautions shall be required by the Administration.

(v) Lighting fittings shall be arranged to prevent temperature rises that would be injurious to the wiring, and to prevent surrounding material from becoming excessively hot.

(vi) Wiring shall be supported in such a manner as to avoid chafing or other injury.

(vii) Each separate circuit shall be protected against short circuit. Each separate circuit shall also be protected against overload, except in accordance with Regulation 30 of this Chapter or where the Administration grants an exemption. The current-carrying capacity of each circuit shall be permanently indicated, together with the rating or setting of the appropriate overload protective device.

(viii) Accumulator batteries shall be suitably housed, and compartments used primarily for their accommodation shall be properly constructed and efficiently ventilated.

(b) Passenger Ships only

(i) Distribution systems shall be so arranged that fire in any main fire zone will not interfere with essential services in any other main fire zone. This requirement will be met if main and emergency feeders passing through any zone are separated both vertically and horizontally as widely as is practicable.

(ii) Electric cables shall be of a flame retarding type to the satisfaction of the Administration. The Administration may require additional safeguards for electric cables in particular spaces of the ship with a view to the prevention of fire or explosion.

(iii) In spaces where inflammable mixtures are liable to collect, no electrical equipment shall be installed unless it is of a type which will not ignite the mixture concerned, such as flameproof (explosion proof) equipment.

(iv) A lighting circuit in a bunker or hold shall be provided with an isolating switch outside the space.

(v) Joints in all conductors except for low voltage communication circuits shall be made only in junction or outlet boxes. All such boxes or wiring devices shall be so constructed as to prevent the spread of fire from the box or device. Where splicing is employed, it shall only be by an approved method such that it retains the original mechanical and electrical properties of the cable.

(c) Cargo Ships only

Devices liable to arc shall not be installed in any compartment assigned principally to accumulator batteries unless the devices are flameproof (explosion proof).

Regulation 28

Means of Going Astern

(a) Passenger Ships and Cargo Ships

Ships shall have sufficient power for going astern to secure proper control of the ship in all normal circumstances.

(b) Passenger Ships only

The ability of the machinery to reverse the direction of thrust of the propeller in sufficient time, under normal manoeuvring conditions, and so to bring the ship to rest from maximum ahead service speed shall be demonstrated at the initial survey.

Regulation 29

Steering Gear

(a) Passenger Ships and Cargo Ships

(i) Ships shall be provided with a main steering gear and an auxiliary steering gear to the satisfaction of the Administration.

(ii) The main steering gear shall be of adequate strength and sufficient to steer the ship at maximum service speed. The main steering gear and rudder stock shall be so designed that they are not damaged at maximum astern speed.

(iii) The auxiliary steering gear shall be of adequate strength and sufficient to steer the ship at navigable speed and capable of being brought speedily into action in an emergency.

(iv) The exact position of the rudder, if power operated, shall be indicated at the principal steering station.

(b) Passenger Ships only

(i) The main steering gear shall be capable of putting the rudder over from 35 degrees on one side to 35 degrees on the other side with the ship running ahead at maximum service speed. The rudder shall be capable of being put over from 35 degrees on either side to 30 degrees on the other side in 28 seconds at maximum service speed.

(ii) The auxiliary steering gear shall be operated by power in any case in which the Administration would require a rudder stock of over 9 inches (or 22.86 centimetres) diameter in way of the tiller.

(iii) Where main steering gear power units and their connections are fitted in duplicate to the satisfaction of the Administration, and each power unit enables the steering gear to meet the requirements of sub-paragraph (i) of this paragraph, no auxiliary steering gear need be required.