

How Certificates may be changed.—A candidate possessing a certificate for fore-and-aft-rigged vessels, and desiring to be examined for an ordinary certificate, must prove that he has served at sea at least one year in a square-rigged sailing-vessel, unless he has previously held an ordinary certificate of a lower grade.

CERTIFICATES FOR FOREIGN-GOING STEAMSHIPS.

42. Steamship Certificates.—Certificates applying only to steamships are issued to candidates who are either unable to comply with the regulation which requires them to have served one year in square-rigged sailing-vessels, or who prove in course of examination that they are ignorant of the management of square-rigged sailing-vessels. All the qualifying officers' service prescribed for these certificates may have been performed in steamships.

These certificates will entitle the holders to go to sea as masters or mates of foreign-going steamships, but will not entitle them to go to sea as masters or mates of foreign-going sailing-ships.

There will be no distinction in these certificates between fore-and-aft-rigged steamships and square-rigged steamships.

Second Mate, Steamships.

43. Second Mate, Steamships.—The qualifications as to age and service are the same as for an ordinary second mate's certificate (see para. 30), excepting that no service in square-rigged sailing-vessels is required, and that the whole of the service may have been performed in steamships.

44. Examination in Navigation.—The examination in navigation for a second mate's certificate for foreign-going steamships will be precisely the same as that prescribed for an ordinary second mate's certificate.

45. Examination in Seamanship.—The candidate must understand and be able to give satisfactory answers on the following subjects:—

- (a.) The standing and running rigging of steamships.
- (b.) Bending, unbending, setting, taking in, and furling sail.
- (c.) Sending masts and yards up and down, &c.
- (d.) Seeing everything in readiness and clear for getting under way, and the precautions to be then observed with regard to steering-gear and connections, engines, propeller, &c.
- (e.) Care and usage of mechanical logs and sounding-machines.
- (f.) Management of ships' boats in heavy weather.
- (g.) Dunnaging and stowing cargo, &c.
- (h.) The rule of the road as regards both steamers and sailing-vessels, their regulation lights, and fog and sound signals.
- (i.) Signals of distress, and signals to be made by ships wanting a pilot, and the liabilities and penalties incurred by the misuse of these signals.
- (j.) The marking and use of the ordinary lead and log lines.
- (k.) The construction, use, and action of the sluices, and of the water-ballast tanks.
- (l.) Engine-room and other telegraphs used on board ship, and deck appliances generally.
- (m.) Use and management of the rocket apparatus in the event of a vessel being stranded.
- (n.) Any other questions appertaining to the duties of the second mate of a steamship which the Examiner may think necessary to ask.

Mate, Steamships.

46. Only Mate, Steamships.—The qualifications as to age and service are the same as for an only mate's ordinary certificate (see para. 33), excepting that no service in square-rigged vessels is required, and that the whole of the service may have been in steamships.

47. First Mate, Steamships.—The qualifications as to age and service are the same as for a first mate's ordinary certificate (see para. 34), excepting that the whole of the service may have been in steamships, and that no service in square-rigged vessels is required.

48. Only or First Mate, Steamships: Examination in Navigation.—The examination in navigation for an only or first mate's certificate for foreign-going steamships will be precisely the same as that prescribed for an ordinary first mate's certificate. (See para. 35.)

49. Only or First Mate, Steamships: Examination in Seamanship.—In addition to the qualifications required for a second mate's