

questions on the effects of the ship's iron upon the compass, the method of determining the deviation, and compensating the same by magnets and soft iron. He will be required to find the course to steer by compass in order to counteract the effect of a given current, and find the distance the ship will make good towards a given point in a certain time, and to work out practically the correction to apply to soundings, taken at a given time and place to compare with the depth marked on the chart. He will also be required to answer certain questions relating to cyclones or revolving storms.

IN SEAMANSHIP.—In addition to the qualifications required of an only or first mate, he must be able to construct jury-rudders for both wooden and iron vessels and also rafts. He will be examined as to his resources for the preservation of the ship's crew in the event of wreck; as to the management of ships in heavy weather, and as to rescuing the crew of a disabled ship; as to steps to be taken when a ship is on her beam ends or in any danger or difficulty, or if disabled or unmanageable and on a lee shore, heaving a keel out, &c. He must explain the mode of procedure when placing ship in dry dock, directing repairs, and if putting into port in distress with damage to cargo and ship. He must possess a sufficient knowledge of what he is required to do by law, as to entry and discharge, and the management of his crew, and as to penalties, and entries to be made in the official log, and a knowledge of the measures for preventing and checking the outbreak of scurvy on board ship, and the law as to load line marks, and the entries and reports to be made respecting them. He will be questioned as to his knowledge of invoices, charter party, bills of lading, Lloyd's agent, and as to the nature of bottomry, also bills of exchange, surveys, averages, &c., and must answer any other questions of a like nature which the Examiner may consider necessary to touch upon.

He will also be required to give satisfactory answers as to his knowledge of the management of steam ships in heavy weather. How to utilize steam appliances in the event of fire, and the best arrangements for towing vessels under various circumstances; as to the methods of constructing jury-rudders suitable for a screw steamship, and other questions of a like nature appertaining to the management of a steamship.

A candidate possessing a certificate "for fore-and-aft rigged vessels only," and desiring to obtain an ordinary certificate of the same grade, must prove that he has served at sea at least one year in a square-rigged sailing vessel, and will be re-examined both in navigation and seamanship.

FAILURE.—In all cases of failure the candidate must be examined *de novo*.

If a candidate fails in seamanship he will not be re-examined until after a lapse of six months.

If he fails three times in navigation he will not be re-examined until after a lapse of three months from the date of the last failure.

If a candidate has failed in his examination, but the subjects in which he has failed are not included in the subjects required for a certificate of a lower grade, he may, if he desires it, receive a certificate of such lower grade.

No part, however, of the fee he has paid will be returned to him.

Any candidate who may be guilty of insolence to the examiner, or of other misconduct, will render himself liable to the postponement of his examination, or if he has passed, to the detention of his certificate for such period as the Governor in Council may think fit to direct.

Fisheries Commission:

Hons. A. W. Harvey (Chairman), E. D. Shea, M. Monroe, Sir Robert Thorburn, K.C.M.G., Rev. M. Harvey, Capt. G. Robinson, R.N., Messrs. A. Penney, A. F. Goodridge, Ellis Watson, P. J. Scott, W. B. Grieve, H. LeMessurier, T. R. Smith, W. H. Whiteley, John Martin, P. G. Tessier, Levi March, Thomas Hodge, St. John's; Charles Dawe, Bay Roberts; Albert Bradshaw, Edward Sinnott, Placentia; James Rolls, Fogo; R. S. Munn, Harbor Grace; John Bartlett, Brigus; R. S. Bremner, Trinity; James Ryan, Bonavista; J. C. Dominy, Greenspond; Wm. Lethbridge, J. B. Tobin, J. W. Owen, Samuel Baird, Twillingate; Wm. Lundrigan,

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Burin;
D. Bou
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Hon. J.

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Syme, an

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Penitentiaries

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Harvey, M

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