of McGill University, shall for the present conduct the meteorological observations at Montreal.

OBSERVATORIES.

There are two observatories and time ball stations maintained under the supervision of the Department. The expense of the one at Quebec was \$2,400. The time is given regularly to the shipping during the season of navigation at 10 clock, p. m. A signal drum has been erected on the top of Laval College for sform signals. A new observatory and dwelling house has been erected for the Director, at a cost of \$5,000. The other observatory and time ball is at St. John, N. B. It has been placed on the roof the Custom House, and the time is also given at 1 p. m. every day, except Sun ay. The expenditure was \$356 fl.

Improvement of Harbours.—Under the Act 2 and 33 Vic., Cap. 40, the Governor in Council was empowered to impose a duty of 10 cts. per ton on all vessels arriving in Harbours proclaimed to be under the opera-

Improvement of Harbours.—Under the Act 32 and 33 Vic., Cap. 40, the Governor in Council was empowered to impose a duty of 10 cts. per ton on all vessels arriving in Harbours proctained to be under the operation of the Act, to reimburse the Government for contemplated improvements Bathurst. Richibucto, N. B.; House Harbour and Amherst Harbour in the Magdalen Islands, and Cape Chatte, in Quebec, are the only ports yet proclaimed. The amount collected, during the fiscal year, was, \$2,976.70; and the amount expended, \$7,909.33. The largest expenditure was at Anherst Harbour, Magdalen Island, where there are sometimes 2 or 300 fishing vessels taking refuge, \$2,000 was spent for a steam tug at Richibucto, and the same amount at Miramichi, N. B. During the 18st 4 years nearly \$23,000 has been expended on these harbours, and nearly \$14,000 received from them.

HARBOUR AND RIVER POLICE.

A water police force is maintained at Quebec and Montreal during the season of navigation, fr the purpose of prese ving order about the shipping and wharves. A tax of 3 cts. a ton is imposed on all vessels visiting these ports. Under 100 tons, it is only payable once a year; over 100 tons, twice. There are two steem yachts and four boats at Quebec and constant employment for the lorce. The total number of the force employed at Quebec during the season of 1872 was 34, but in 1873 it was thought advisable to increase it to 49. The total expenditure during the fiscal year at the Portof Quebec, was \$18,200, and the receipts, \$ 0,512 06. At Montreal the force numbered 25 men. The expenditure, \$14,433.87, and the receipts, \$8,075.54.

Total Expenditure.....\$32,653 87

"Receipts........ 26,613 50

During the 5 years ending 30th

June, 1873, the total receipts

were.................\$121,018 87

SICK AND DISTRESSED MARINERS.

Mariners who are found sick or disabled at any of the sea-going ports in Canada, who belonged to Canada and Canadian ships, thuse who have been shipwrecked and become distressed on the shores of Canada or abroad, and who require assistance and clothing to reach their homes in Canada, are taken care of by the Government of Canada. A tax of 2 cents per ton is imposed on all vessels entering any port of Quebec. New Brunswick, N.va Scotia, P.E. I-land, or B. Columbia, from any port or place not in the same province, except vessels from Ontariocoming to ports of Quebec. 10) tons or less pay once a year; over 100 twice. There are Marine Hospitals at Quebec, St Juhn, St Andrews, Miramichi, Richibucto and Bathurst, and it is intended to establish others at Sydney, Pictou. Yar mouth, Sackville and Darhousie. At Montreal and Halifax arrangements are made for sick mariners at the General Hospitals, and at small ports where there is no hospital the Collector of Customs is required to provide for sick mariners. A hospital has also been established since July, 1874 at Charlottetown, Prince Edward's Island, and another is being built at Victoria, B. C. The to'al amount collected during the fiscal year was \$37,135.08 and the expenditure was \$1,016 43, divided as follows:—

	Receipts.	Expendit.
Quebec	.\$.8,305 57	\$17,734 50
. ew Brunswick	8,022 76	7,610 76
Nova Scotia	. 10,305 37	11,7 (9 53
Ont		500 00

The expenditure in Nova Scrtia was still further largely increased by the expenses of shipwrecked and distressed seamen from N. S. abroan, which were reimbursed to the Imperial Board of Trade. On the amounts of the last five years there is a balance to the credit of the fund of over \$1500; but the demands are constantly increasing and very heavy, and the fund will hardly be self suprorting in future

Musters' and Mates' Certificates.—The ex-

Masters' and Mates' Certificates.—The examination for these certificates is by a Board of Examiners at Haliax, St John and Quebec, of which Capt. Scott, R. N., is Chairman. The greater part of the examinations are at St. John, some at Halifax and a very rew at Quebec. From 16th Sept, 1871, to 31st Dec., 1873, 369 candidates had passed successfully; 117 at Halifax, 2.5 at St. John, and 27 at Quebec; 70 mates passed and received certificates in the same time. The expenditure up to 31st Dec., 187., was \$14.402.92, and the receipts for certificates, \$7,673.

STEAMBOAT INSPECTION.

All steam poats registered in Canada, if running and navlgating in our waters, must be annually inspected by the Government Inspector, who e duty it is to see that they are safe. In the Dominion there are 7 Inspectors, who are engineers, and are paid salaries for this duty. In British Columbia the agent of the Department performs the service. The receipts from this brauch during the fiscal year, were \$15,412.75, and the expenditure, \$11,205.64. The fees are; for a steamer not exceeding 100 tons, \$5; over 100, \$8; and a charge of 10 cts. a ton, irrespective of size. During the calendar year 1873, there were inspected in the W. Ont. Division, 177; E. Ont. 83; Montreal 83; Three R. vers, 48; Quebec, 75; New Brunswick and Nova Scotla, 88; total, in 1873, 564, with a gross tonnage of 92,298 tons. 272 were paddle steamers, \$22 screw; 223 were "assenger boats, 72 freight, and 259 tup the list in 1873, which, at the very moderate estimate of \$20,000 each, gives the sum of