

casualties during the year, the loss so far as ascertained being \$100 150. Except in one case of collision on the St. John River, N.B., there was no loss of life. No complaints were made against Inspectors, and very few cases of misconduct of engineers were reported. One engineer's certificate was revoked. The comparison of receipts and expenditures of the Steamboat Inspection Fund for the last 8 years shows a balance of \$26,228 to the credit of the fund.

#### MASTERS AND MATES CERTIFICATES.

During the calendar year, meetings of the Board of Examiners were held at Halifax, St. John, Charlottetown and Quebec. The number of meetings was 4. 89 Masters passed and obtained certificates and 58 Mates. Since the Act went into operation in 1871, 835 Masters and 258 Mates have passed. During the year 1877 22 certificates of service for Master and 8 for Mates were granted. The whole number of these granted since 1871 is 813 for Masters and 279 for Mates. The fees received during the fiscal year amounted to \$1,740, and the expenditure to \$4,000. No subsidy is now paid by the Dominion Government to Schools of Navigation for instructing Masters and Mates.

#### WRECKS AND CASUALTIES.

The casualties to vessels in Canadian waters and to Canadian sea-going vessels during the year 1877 were 327, and the amount of loss, so far as ascertained, was \$2,019,670. The number of lives lost was 100, 26 in Canadian and 74 in other waters. On the inland waters of Canada 42 disasters occurred, with a loss of \$271,241, and a loss of 17 lives. Making a total loss of 117 lives and \$2,290,911, for vessels and cargoes. No wrecks occurred at eitherable Island or St. Paul. One vessel stranded on Anticosti on the 30th of Oct. The number of casualties and loss of life was much less than in 1876, but greater than in 1875.

#### SHIPPING MASTERS AND SHIPPING OF SEAMEN.

The returns for this service from the different ports were as follows:—

	<i>Shipped.</i>	<i>Discharged.</i>
Montreal.....	480	291
Quebec.....	1,771	726
St. John, N.B.....	3,901	1,269
Halifax, N.S.....	2,879	2,178
Chatham, N.B.....	324	137
Lockport, N.S.....	591	323
Lunenburg.....	474	3 7
Pictou.....	466	273
Yarmouth.....	640	479
Charlottetown, P.E.I.	887	456
Total.....	12,416	6,469

The fees received amounted to \$8,197. With the exception of Quebec and Montreal the fees received at any port form the salary of the Shipping Master, he paying office expenses, &c. At Montreal the Chief Officer of Customs, and at Quebec the Chief Constable of the River Police, acts as Shipping Master, and the fees revert to the Treasury.

#### PILOTAGE AUTHORITIES.

The Harbour Commissioners now constitute the Pilotage authorities for the districts of Montreal and Quebec. There were 193 Pilots on the active list at Quebec at the close of the year and 42 at Montreal. The number of apprentices was 35. The Pilotage receipts were \$144,511. The Decayed Pilots' Fund amounted to \$101,083. The receipts of this fund for the year were

At Quebec.....	\$21,781 62
At Montreal.....	3,520 90
	\$25,302 52

and the expenditure—

Quebec.....	\$21,505 15
Montreal.....	1,746 00
	\$23,251 15

219 persons received aid from the Fund in pensions ranging from \$20 to \$160. In New Brunswick there were at

St. John.....	43 Pilots.
Miramichi.....	27 "
Charlotte County.....	5 "
Cocagne.....	4 "
	79

The receipts amounted to \$50,854. In Nova Scotia there were at

Halifax.....	19 Pilots.
Pictou.....	15 "
Sydney, C.B.....	27 "
Pugwash.....	5 "
	66

The receipts were \$35,337. From several of the maritime ports, and from those of British Columbia, no returns were received.

#### HARBOUR COMMISSIONERS AND HARBOUR MASTERS

During the season of 1877, 2,368 vessels entered the *Harbour of Toronto*, of which 900 were steamers and 1,468 sailing vessels. The receipts for harbour dues were \$11,328. The total revenue of the Harbour Commissioners for the year amounted to \$14,958, and the expenditure to \$13,994; \$3,881 were expended in dredging operations to meet the requirements of the shipping trade.

At Montreal, 513 sea-going vessels arrived in port, having a tonnage of 376,859 tons, and 6,333 inland vessels, having a gross tonnage of 847,978 tons. There was a decrease in the tonnage of sea-going vessels of 14,321 tons, and an increase of inland vessels of 61,895 tons. The revenue was \$219,560, a decrease of \$21,287. The total receipts for the year were \$402,739, and the expenditure \$500,445; \$132,895 was expended in the new channel operations, and it was expected that a channel of 22 feet at low water would be obtained by the close of the season of 1878.

At Quebec 5,430 vessels arrived, of which 928 were sea-going, and the aggregate tonnage was 1,202,217 tons.