

HARBOURS AND RIVERS.

Expenditure on Harbours and Rivers for construction and repairs, \$346,716.66

BELLEVILLE.—The contract for dredging in this harbour, which was entered into in 1886, was completed in July, 1889.

At **COBOURG** the outer 150 feet of the superstructure of the western pier was re-built under contract.

At **KINCARDINE** the work of re-building the wharfing around the inner basin is being continued.

KINGSTON.—During the past year 3,890 cubic yards of rock were blasted and removed from the Point Frederick Shoal.

LITTLE NATION RIVER.—Excavation through the rocky shoal at the mouth of Moose Creek, which obstructs navigation, has been continued, and a large amount of material removed.

OAKVILLE.—The western pier has been re-built from low water mark up.

PENENTANGUISHENE.—During 1888-89 a pile structure, 12 feet in width and 850 feet in length, was constructed in an average depth of 12 feet of water. Behind this structure an embankment 30 feet wide was formed with brush, stone and earth, giving to the wharf so completed a total width of 42 feet. In addition to this wharf, a similar structure, 350 feet in length, was built at the foot of Barrie street.

PORT ARTHUR.—In October, 1888, a contract was entered into for the construction of a further length of 1,500 feet of breakwater, with block piers at each end, to the westward of the work already completed, an opening of 350 feet being left between the old work and the new, to permit vessels to enter the port.

In May, 1889, operations on this new work were commenced, and up to the close of the fiscal year 300 feet had been constructed.

During the year a commencement was made to extend the talus of stone along the front of the work built under the first contract, it having been found that the bottom was eroding under the action of seas during heavy gales. It may here be mentioned that this breakwater has successfully withstood the force of breaking seas driven by gales travelling at the rate of 54 miles an hour, and also ice shoves from the outer bay, when the ice has been pushed completely over the structure and left remaining thereon to a height of 19 feet.

PORTSMOUTH.—Work was continued during the past fiscal year in the renewal of the upper 7 feet of this pier, and at its close it was well in hand.

RIVIÈRE AUX PUCES.—In September, 1888, a contract was entered into for the construction of 350 feet of close sheet-piling at the mouth of this river, 200 feet to be driven on the east side and 150 feet on the west side, to form a channel 40 feet in width, and at the close of the fiscal year the work was well under way.

SAULT STE-MARIE.—The extension of the Government wharf a length of 150 feet into the river to obtain increased shipping facilities was completed in June, 1889.

SOUTHAMPTON.—That portion of the landing pier which had been destroyed by fire was re-built from the water level.