

PROVINCE OF QUEBEC.

SHIP CHANNEL, RIVER ST. LAWRENCE BETWEEN MONTREAL AND QUEBEC.

The work of dredging on the ship channel between Montreal and Quebec, was carried on at four places during the fiscal year, viz.:—Grondines, Cap à la Roche, Pointe du Lac and Maisonneuve.

Three elevator dredges were employed up to November, 1892, and on the opening of the season of 1893, four continued the work.

Grondines.

Dredge No. 8, continued the work commenced in 1890, of dredging the channel through Horseback Bar. The channel already dredged was widened and a length of new channel, of 130 feet, was completed in 38 days, up to the end of the fiscal year.

Quantity removed consisting of hard-pan in patches, and in bedded boulders, 5,603 cubic yards, at a cost of \$8,357.98, or \$1.49 per yard.

To complete the channel through this bar, there remain two pieces to be dredged, one 1,600 feet long and the other 950 feet. It is expected that this will be completed before the close of the season of 1893.

Cap à la Roche.

The two rock dredges, Nos. 11 and 13, worked steadily at this point almost the whole of the working season in the fiscal year.

The work in hand was the continuation of the deepening of the channel, from 24 feet to 27½ feet, at low water.

Dredge No. 11 worked 138 days, completing a portion 810 feet in length and No. 13 worked 166 days, completing the piece of work it was engaged on.

Total quantity dredged at Cap à la Roche, consisting of hard shale rock 102,221 cubic yards, costing \$38,412.19, or 37.6 cents per yard.

This almost completes the Cap à la Roche channel, there remaining only some cleaning up of loose rock, and one piece of dredging 500 feet in length.

Pointe du Lac Curve.

The widening of this bend was commenced by dredge No. 12 in May, 1893, and continued to the close of the fiscal year, a length of 3,000 feet, with an average width of 60 feet being completed in 38 days.

Quantity removed consisting of soft clay 58,770 cubic yards, at a cost of \$5,960.10 or 10.1 cents per yard.

Maisonneuve.

Dredge No. 12 worked here for 96 days during the working season of 1892, removing a part of Forsyth shoal. The material consisted of hard-pan and boulders and was of a most difficult character.

Quantity removed 25,015 cubic yards, at a cost of \$15,057.25 or 60.2 cents per cubic yard.

Work was not resumed at this point in 1893, and to complete it there remains for one dredge five or six months' work.

Following are tables giving further particulars and details of work done.