

Department of Public Works.

DREDGING AT ST. PLACIDE.

The village of St. Placide, county of Two Mountains, is on the north bank of the River Ottawa, about 18 miles above its junction with the St. Lawrence and 9 miles from St. Andrew's.

On the 19th October, 1892, the "St. Louis" commenced dredging in the steam-boat channel from the east end of the wharf at St. Placide out to deep water in the Ottawa, making a cut 200 feet long, 23 feet wide, and 8 deep. Operations ceased on the 10th November, by which time the dredge had removed 1,322 cubic yards of clay, boulders and stone.

PROVINCE OF ONTARIO.

DREDGING AT BATH.

Bath is an incorporated village in the county of Lennox, and is on the north shore of Lake Ontario, $3\frac{1}{2}$ miles from Ernestown.

On the 27th May, 1892, the dredge "Queen," and plant arrived at Bath where it worked for four days, making two cuts alongside of Ball's wharf of 75 and 50 feet in length, 25 feet in width, to a depth of 7 feet, and a short cut at the west side of Finkle's wharf. The material removed consisted of 80 cubic yards of boulders, and 900 of clay.

DREDGING AT BELLEVILLE.

Belleville, the shiretown of the county of Hastings, is situated on the Bay of Quinté, at the mouth of the River Moira, 43 miles west of Kingston. There are several important factories, and the harbour is a good one, though lacking in depth. Dredging has, however, been done by the department during the past few seasons, and the harbour improved thereby.

On the 2nd July, 1892, the dredge "Queen" was at work at the south end of Mill Island, continuing operations till 1st August, during which period 3 cuts of 349,444 and 461 feet in length, 25 in width each, and 11 feet deep at low water were made, the materials removed being 2,180 cubic yards of gravel, 3,227 of clay and stone, 226 of hard-pan, and 491 of boulders.

Work was resumed on 20th September, at the north and west sides of Mill Island, two cuts being made 474 feet in length, 50 feet wide and $6\frac{1}{2}$ feet deep, one cut 190 feet long and one 50 feet long, 25 feet wide, each to a depth of 6 feet. One cut was also made along the coal and lumber docks to a depth of 9 to 11 feet. The work closed for the season at Belleville on 15th November, by which date a further quantity of 4,446 cubic yards of gravel, 2,610 of clay and stone, and 1,296 of boulders had been removed.

The same dredge again took up the work in this harbour on 3rd June, 1893, and at the close of the fiscal year was engaged on the south side of Mill Island, taking off a point of land and making four connecting cuts of 213,238,227 and 145 feet long, 25 feet wide each to a depth of 11 feet, removing 2,798 cubic yards of gravel and 3,952 of clay and stones.

DREDGING AT BOWMANVILLE.

The harbour of Bowmanville, or Port Darlington, Durham County, is on the north shore of Lake Ontario, 40 miles east of Toronto. It is an artificial one, being formed by two parallel piers built at the mouth of a creek and extending out into the lake.

This harbour having become much silted up, to remedy this, a dredge was placed at work on the 20th July, 1892, and continued working until 8th August, during which period 18,400 cubic yards of sand were removed.

The dredge "Nipissing," which reached the place on the 6th June, 1893, was put to work in dredging to 14 feet between the piers and into the harbour, and at the close of the fiscal year it was still engaged on the work. Two cuts of 1,200 and 600 feet long and 25 feet wide each were made, 12,510 cubic yards of sand being removed.