

GREEN ISLAND LIGHTHOUSE AND FOG-GUN STATION, NORTH PART OF THE ISLAND.

Lat. 48° 3' 17" N; Long. 69° 25' 10" W.

(G. LINDSAY, *Keeper.*)

A fixed white catoptric light; thirteen No. 1 flat-wick lamps, lipped chimneys. Iron lantern. Size of reflectors, 21 x 9 inches deep; size of glass, 24 x 23½ inches; size of lantern, 10 feet 3 inches; size of gallery, 16 feet; size of base, 16 feet; height of tower, base to vane, 54 feet; height of tower, base to centre of lamp, 45 feet; consumes about 400 gallons of oil per season.

May 30th.—Landed stores, examined the lights &c.; found all in good order.

The fog-gun is fired every half-hour during fogs and snowstorms; the average consumption of powder during the season is about 3,000 lbs., with a proportionate number of cartridges and friction-tubes.

Description of Lighthouse and Buildings at this Station.

The lighthouse is an octagonal stone building, clapboarded, painted white; there are also four other buildings, as follows:—

- One dwelling-house, built of wood, painted white;
- One powder magazine, built of stone, painted white;
- One stable and barn combined, built of wood, painted white;
- One gun-house, built of wood, painted white.

The Government owns 30 acres of land at this Station, purchased from Mr. Peter Fraser, on the 29th June, 1811, for the sum of £150.

RED ISLAND LIGHTSHIP AND FOG-WHISTLE, RED ISLAND BEEF.

Lat. 48° 6' 30" N; Long. 69° 30' 20" W.

(DAVID DAMOURS, *Keeper.*)

Two fixed white lights; one of these is a catoptric lantern, containing six No. 2 circular lamps, and the other a dioptric lantern; the former is 34 feet, and the latter 22 feet, above the deck.

The vessel is moored in ten fathoms of water to the north-east of the Island. During fogs and snowstorms a steam fog-whistle is sounded, giving a blast of ten seconds during each minute. If from any cause the vessel should be off her station, it will be indicated during the day by a ball at the foremast head, and at night by a circular lantern, giving her the ordinary appearance of a vessel at anchor; during fogs and under such circumstances, the whistle will be sounded irregularly like an ordinary steamer.

The ship is painted red, and the words "Red Island Lightship," is painted on each side in large letters.

SPECIAL REPORT.

QUEBEC, 6th December, 1877.

SIR—I have to-day, with Capt. Damours, Mr. Routhier, carpenter, and Mr. Vezina, blacksmith, carefully examined the hull, engines and boilers of the Red Island Lightship, in winter quarters at Blais Boom, and find the following repairs will require to be made so as to fit her to take her station in the spring:—

- Companion and tank removed and mess-room;
- Forecastle fitted up for four men;