

Point Lepreaux Fog-Alarm.

Considerable repairs were made to the engine. A new pump was placed in connection with the machinery, and two water-tight bulkheads built.

BUOYS AND BEACONS.

There are two bell buoys now in the Bay of Fundy, one moored off Partridge Island, which is an iron ship-shaped buoy, with tight, enclosed deck, with a bell elevated on a mast. There is also a large tower built around the mast on the deck of the vessel, in which long arms are secured at the bottom with iron balls on the top, which are operated by motion of the sea acting on the vessel, by which the arms weighted at their upper ends are thrown against the bell.

This buoy presents the largest appearance on the water of any buoy in the service, and, when the water is calm, can be much more easily discerned than any other buoy we have now in use.

The other bell buoy is moored off Quaco Lighthouse Ledge and is an iron buoy with a round bottom, ballasted with water, with balls suspended on arms on a vertical shaft, each of which acts as the pendulum of a clock, swinging by the motion of the sea and striking the bell suspended below. This description of buoy is the most sensitive in use, as the smallest motion of the water sets the hammers of the bell in motion. This buoy is proving a splendid guide to vessels making Quaco Harbour in thick weather. It has been removed and stored for the winter, to be replaced in the spring.

A small iron bell buoy was moored near the Quaco Reef in the fall of 1836, called the Brown buoy. It disappeared during the spring of 1887, and is supposed to have been sunk by the ice. When a steamer can be found available, she will be sent there to grapple for it.

Another large iron bell buoy will be moored off Partridge Island to replace the ship buoy for a time.

The two automatic buoys, one moored off Point Lepreaux and the other off Split Rock have proved of great value to the steamers and vessels navigating the Bay of Fundy in thick weather.

The total cost of maintaining the lights, fog-whistles, buoys and beacons in the Province of New Brunswick, for the fiscal year, amounted to \$96,425.28, and the amount expended during the same period on construction of lights was \$5,280.73.

PRINCE EDWARD ISLAND LIGHTHOUSE DIVISION.

This division is under the charge of Mr. Artemas Lord, who is agent of the