

A Steam Fog Whistle, 150 feet N. E. from lighthouse, sounds during thick weather four seconds in each minute; will probably be heard in calm weather 10 miles, and in stormy weather from three to five miles.

QUACO, N. B.—A new Lighthouse Tower has been erected upon the pitch of the Cape at West Head, Quaco, to replace that on the rock off Quaco. Latitude N., 45d. 19m. 30s.; longitude W., 65d., 32m. 0s. It is a revolving white catoptric light, attaining its greatest brilliancy every 20 seconds. It is elevated about 110 feet above high water mark, and should be visible 10 miles from all points of approach seaward. The building is of wood, painted white, and consists of a square tower 40 feet high from its base to the vane on the lantern, with keeper's dwelling attached.

This light, which will be a general coast light as well as a guide to St. Martin's Harbor, is distant 1,200 feet N. W. by W. from the site of the old lighthouse.

A Fog Bell in a framed tower on the lighthouse block strikes every 12 seconds during thick and foggy weather and snow storms. Under favorable circumstances it should be heard two or three miles, and in stormy weather or against the wind about a mile.

A Bell Buoy was placed off Quaco Reef, in the Bay of Fundy and Province of New Brunswick. Latitude N. 45d. 10m. 5s.; longitude W. 65d. 31m. 40s. The Buoy is painted black and moored in 14 fathoms water at low tide. From the Buoy the point of the reef bears N. W. distant $\frac{1}{2}$ mile, and the Lighthouse distant $\frac{1}{2}$ mile (approximately) in the same direction.

ST. MARTIN'S HEAD FOG ALARM.—Latitude N., 45d. 29m. 10s.; longitude W., 65d. 11m. 25s. The Horn, which is located on the summit of the Head, will, during thick weather, sound blasts of 14 seconds duration, with intervals of 48 seconds between the blasts. The engine house is an oblong wooden building with a pitched roof and is painted white.

GRINDSTONE ISLAND, N. B.—On west part of island, latitude N. 45d. 43s.; longitude W. 64d. 37m. Fixed bright light, visible 12 miles. White square tower 60 feet above high water.

Fog Syren N. E. of light, sounds 4 blasts every minute.

CAPE SPENCER, N. B.—On pitch of Cape, latitude N., 45d. 12m. 20s.; longitude W., 65d. 54m. 9s. Revolving red and white alternately, at intervals of 45 seconds. Visible 20 miles. White square building, with tower 207 feet above high water. Partridge Island light by compass N. W. by W. $\frac{1}{4}$ W., northerly distance being $\frac{6}{4}$ miles from light to light.

PARTRIDGE ISLAND, ST. JOHN HARBOR.—Latitude N., 45d. 14m. 20s.; longitude W. 66d. 3m. 20s. Fixed white light. Visible 17 miles. Tower, vertical red and white stripes. 119 feet above high water. Steam Whistle on Island sounds for 10 seconds in every minute. A Bell Buoy near east side of Partridge Island Reef.

NEGRO POINT.—On end of Government Breakwater. Latitude 45d. 14m. 25s. Red. Temporarily from pole. Tower taken down pending repairs to Breakwater.

ST. JOHN HARBOR.—End of Bar. Latitude N. 45d. 15m. 10s.; longitude 66d. 3m. 40s. Fixed white light. Visible 10 miles. Lighthouse, vertical black and white stripes, 35 feet above high water.

LEPREAUX.—On Point. Latitude N. 45d. 3m. 40s.; longitude W. 66d. 27m. 39s. Two fixed white lights. Visible 15 miles. 9 yards apart. 81 and 53 feet above high water mark. Tower octagonal, striped horizontally red and white. Fog Whistle on Point in thick weather sounds twice each minute, first giving a blast of five seconds duration with an interval of five seconds; then a blast of five seconds duration, with an interval of 45 seconds to complete the minute.

Split Rock Automatic Buoy has been removed from its former position, to a station near the shore. Latitude N. 45d. 7m. 15s.; longitude W. 66d. 13m. 55s. The buoy is painted black, is moored in 30 fathoms water, and in its present position will serve as a guide into Musquash Harbor.

Musquash Lighthouse bears North, distant $\frac{1}{4}$ miles, and Split Rock N. E. from the Buoy.

An Automatic Signal Buoy, sounding a ten inch whistle, in 23 fathoms water, S. S. W. 1 nautical mile of Point Lepreaux Lighthouse, on the New Brunswick coast of the Bay of Fundy. Latitude N. 45d. 2m. 30s.; longitude W. 66d. 27m. 45s. The following bearings are given from the buoy: Split