

SWALLOW TAIL (FIXED WHITE.)

Lat. 44° 45' 52" N.; Long. 64° 44' 0" W.

The supplies for this Station were landed from the "Newfield" 22nd August. This Station and its appurtenances are kept in the very best order. A small powder magazine is required to store the powder, which I observed was in the lighthouse building.

The boat having been damaged, I had her brought to St. Johns for repairs. She is too large and heavy for that Station. A light one is required to replace the one now here for repairs, and this one will become useful at one of the other Stations where the cliff is not high, such as Grand Harbour. The lighthouse tower will require painting next season.

PARTRIDGE ISLAND.

Lat. 45° 14' 20" N.; Long. 66° 3' 20" W.

There is a lighthouse, fog-whistle, and signal Station on this island. No extra expense has been incurred at this Station beyond the ordinary bills for maintenance, during the past year. Owing to a larger boiler having been added to the fog-whistle at this Station, the supply of water has been insufficient during the long continuance of foggy weather in the middle of summer. This deficiency has been supplied by water carried from the tide for the last year or two past. To avoid this expense in future, an additional well will be excavated this fall.

Mr. Patrick Carroll has been awarded the tender for erecting a brick building to replace the old wooden building of the fog whistle now there.

The following is copy of a letter received from Mr. P. Carroll, with reference to changes made at the light station, at Bathurst :

"ST. JOHN, N.B., September, 1878.

"DEAR SIR,—Pursuant to instructions, dated at Ottawa, 22nd April, to proceed to Bathurst, N.B., as soon as I had finished works on hand, and carry out the recommendation contained in an accompanying Report of the Inspector of Lights for New Brunswick, I beg leave to state that I arrived at Bathurst on the 25th June, and called on T. E. O'Brien, Esq., and P. J. Hachey, Harbour Master, and as no opinion had been given as to the best means of raising each beacon ten feet, and they being already an imperfect piece of mechanism, on stormy nights shaking so much that the lights went out, I agreed with their concurrence to move the western tower off its foundation, still keeping it lighted, and erect in its stead a new tower the height required, and when the latter was lighted, move the western or old tower to the site occupied by the eastern or low tower, by this means the height asked for in the report has been effected, and without any interruption of the lights for an instant. This work is now completed, and the light in the new western tower stands 43 feet above high water, and is red striped. The light having a 20 inch reflector and mammoth flat-wick, I may remark that it is the most brilliant red light in your Agency, it is composed of strips of red glass four inches wide kept an inch apart in a frame showing very brilliant at a distance of 14 miles. The old western tower which is now moved to its present site, and strengthened, has its side door closed and a new stairs erected, and the passage is by a hatch in the floor, is painted white, is a white light having a 20-inch reflector, mammoth flat-wick, is a good light, gives full satisfaction to fishermen and others. The old tower is moved a distance of 100 yards in the shade of the keepers building to prevent it being seen by day from any approach from sea, it may be required at some other point, and many persons from Clifton have remarked that it would be well suited for the breakwater now being erected.

"Yours, &c.,

"(Signed) P. CARROLL,

"To J. H. HARDING, Esq.,
Agent, Marine, &c."