

The light building is a small wooden tower, square in plan, painted white, surmounted by a square wooden lantern, painted red. The height of the building, from its base to the vane on the lantern, is 23 feet.

The tower stands upon the rocky shore of the island upon the extremity of the point adjacent to and south of the wharf on Pie Island. The wharf extends about 500 feet in a north-westerly direction at right angles to the shore line, and is distant about 400 feet north-east of the lighthouse. The light is intended to guide through the inside channel west of Pie Island, and will also indicate the position of the wharf.

The building was erected under contract by Mr. A. W. Daby, of Pie Island, for \$325. The total expenditure in connection with the establishment of this light was \$441.27.

#### *Lake of the Woods Lights and Buoys.*

In consequence of complaints from the shipping interests, the Chief Engineer of the department made an inspection of Lake of the Woods light and buoy service in September, 1894, and reported considerable improvements desirable in view of the extensive steamboat traffic in connection with lumber and fishing interests, as well as settlement and mining on Rainy River. A lighthouse had been maintained at the mouth of that river since 1886, but was found to be too far inland to be a safe guide in entering the river. During the past summer it was, consequently, removed from its old location on the main land on the Hungry Hall Indian Reserve, and placed on a pile foundation on the port side of the steamboat channel, off the south extreme of Sable island, lying in Lake of the Woods, outside the mouth of Rainy River, a distance of  $2\frac{1}{2}$  miles N.  $\frac{3}{4}$  E. from its former position.

The tower stands about 200 feet from the sand point running south from Sable Island; it is placed in about six feet of water, on a pile foundation. The height from the water to the tower sills is six feet, and from the sills to the top of the lantern, 30 feet. A shelter shed for the keeper stands near the south end of Sable Island.

The light is a fixed white light, elevated 32 feet above the level of the lake, and should be visible 10 miles from all points of approach by water. The illuminating apparatus is dioptric of the seventh order. The light in its new position was put in operation for the first time on or about the 10th September.

A pole light was at the same time established about  $\frac{3}{4}$  mile S. E. by S.  $\frac{3}{4}$  S. from the above described light. It is located on a pile foundation in about six feet water in a reed bed off the main land. The piles rise six feet above the lake, and support a mast on which the lantern is hoisted. The height from the piles to the top of the mast is 25 feet.

The light is a fixed red, shown from a seventh order dioptric lantern hoisted to the top of the mast. It is elevated 28 feet above water and should be visible 7 miles in, and over a small arc on each side of the line of range.

The two lights in one, bearing S. E. by S.  $\frac{3}{4}$  S. lead up Lake of the Woods from Sugar Point to the mouth of Rainy river, between the middle ground shoal on the starboard hand, and Sable Island shoal on the port hand. Before reaching the front light, vessels must haul sharply S. W.  $\frac{1}{2}$  W., from which point the channel into the river is marked by buoys.