

2ND RANGE, NORTH SIDE OF THE RIVER.

Lat. 48° 27' 56" N.; Long. 70° 58' 38" W.

FRAS. GAUTHIER, } *Keepers.*
 JOS. DUPRE, }

Two fixed white lights, 765 feet apart; upper light, 41 feet from centre of lantern to high-water mark, and 40 feet from base to vane.

Lower light, 25 feet from centre of lantern to high-water mark, 27 feet from base to vane,—should be seen four miles off.

3RD RANGE, NORTH SIDE OF THE RIVER.

Lat. 48° 27' 57" N.; Long. 70° 59' 56" W.

(XAVIER SAVARD, *Keeper.*)

Two fixed white lights, 124 feet apart; upper light, 41 feet from centre of lantern to high-water mark, 40 feet from base to vane.

Lower light, 29 feet from centre of lantern to high-water mark, and 25 feet from base to vane,—should be seen three miles off.

4TH RANGE, NORTH SIDE OF THE RIVER.

Lat. 48° 27' 41" N.; Long. 71° 0' 39" W.

(ADOLPHE BOUDREAU, *Keeper.*)

Two white lights, 714 feet apart; upper light, 40 feet from centre of lantern at high-water mark, and 44 feet from base to vane.

Lower light, 22 feet from centre of lantern to high-water mark, and 26 feet from base to vane,—should be seen three miles off.

5TH RANGE, SOUTH SIDE OF THE RIVER.

Lat. 48° 26' 27" N.; Long. 71° 1' 32" W.

(JEREMIE MARIE, *Keeper.*)

Two white lights, 385 feet apart; upper tower, 59 feet from centre of lantern to high-water mark, and 27 feet from base to vane.

Lower tower, 40 feet from centre of lantern to high-water mark, and 26 feet from base to vane,—should be seen two and a half miles off.

These 10 new lights, are to lead through the channel of Chicoutimi Harbor.

They were first exhibited in 1873, and could be all seen at equal distances, but are prevented by bends in the channel from being used at other distances than stated. Complaints having been made that there was not sufficient difference in height between the two lights at each range, the upper or highest lanterns were this season raised ten feet, and pronounced a great improvement.

The spring tides come up to the base of some of the towers, and even higher at others, hence the difference in their measurements from high-water mark.

Each land has a covering to protect it from the action of wind and water.

A red glass has also been put to the face of the harbour lights to indicate the wharf.