

SOREL HARBOUR LIGHT.

Lat. 46° 2' 30" N. ; Long. 73° 7' 18" W.

Two red lights on the Richelieu Company's Wharf to indicate the harbour, are maintained by the Company at an allowance of \$85 per season.

Upper tower contains one mammoth flat-wick lamp, lipped chimney. Size of reflector, 12 x 2 inches deep glass ; size of upright post at bottom, 8 x 4½ inches.

Lower tower, same as upper tower with ruby glasses 13½ inches wide by 24 inches high.

May 9th.—Landed and inspected the lights and buildings. The lower tower light is built on a frame work with small lantern on top, it is now old ; the upper tower lantern is on top of a diagonal frame which is also very old, and the lantern worn out and both will require to be renewed this winter.

LAVALTRIE LIGHTHOUSE, SOUTH SIDE OF THE ISLAND.

Lat. 45° 52' 55" N. ; Long. 75° 16' 0" W.

(D. GIGUERE, *Keeper*.)

A fixed white catoptric light. Upper tower contains two mammoth flat-wick lamps, lipped chimneys ; size of reflectors, 15 x 4½, and 20 x 8½ inches deep ; size of glass, 20½ x 25 x ½ inches ; height of tower from base to vane, 28 feet ; height of tower from base to centre of lamp, 25 feet ; size of lantern, 5 feet 6 inches ; size of gallery, 9 feet ; size of base, 13 feet ; built on a block 18 feet square by 9 feet high, painted black.

The lower tower contains two mammoth flat-wick lamps, lipped chimneys. Size of reflectors, 16 x 5½ inches deep ; size of glass, 21 x 27¾ x ½ inches ; height of tower from base to vane, 10 feet ; height of tower from base to centre of lamp, 5 feet 8 inches ; size of lantern, 6 feet ; size of gallery, 13 feet ; size of base, 6 feet : consume about 120 gallons of oil per season.

May 10th.—Landed stores, and inspected the lights and buildings. The upper tower will require renewing this winter. Captain Marmen told the keeper to find out the cost of a new one, and let the Department know ; the lower tower is in good order.

Description of Lighthouses at this Station.

The lighthouses are small square towers, built of wood, painted white, with oil store combined.

The Government has acquired by purchase from Mr. Albert Lesiege dit Lafontaine, a piece of land, 30 square feet, for the sum of \$50. Mr. Theodore Doucet, Notary Public. Deed of sale, dated May 5th, 1859.

A ground rent of \$30 per annum is also paid to Mr. G. De Lanondière, for the other light.

CONTRECOEUR LIGHTHOUSES, SOUTH SHORE.

Lat. 45° 49' 52" N ; Long. 73° 17' 0" W.]

(Lower Tower, F. LACROIX, *Keeper* ;—Upper Tower, J. GERVAIS, *Keeper*.)

Fixed white catoptric lights ; lower tower contains one flat-wick lamp, unlicked chimney ; size of reflector, 14 x 4½ inches deep ; size of glass, 34 x 25 x ½ inches ; height of tower, base to vane, 13 feet ; height of tower, base to centre of lamp, 6 feet 6 inches ; size of lantern, 6 feet ; size of gallery, none ; size of base, 6 feet. This light is built on a square wooden frame, 14 feet square, 5 feet high.