

Description of Lighthouse and number of Buildings at this Station.

The lighthouse is a hexagonal wooden building, painted white, with a red roof. In connection with it there are six other buildings, comprising:—

- One dwelling-house, built of wood, painted white, with a red roof;
- One oil shed, built of wood, painted white, with a red roof;
- One stable, built of wood, painted white, with a red roof;
- One store shed, at the landing, built of wood, painted white, with a red roof;
- One building of wood, painted white, with a red roof, containing the fog-whistle, engine and boiler, with coal shed attached;
- One new building, containing new fog-horn.

BIRD ROCKS LIGHTHOUSE, PROVISION DEPÔT AND FOG-GUN STATION, MAGDALEN ISLANDS.

Lat. 47° 50' 40" N.; Long. 61° 8' 20" W.

(PETER WHALEN, *Keeper.*)

Fixed white fourth order dioptric light; one mammoth circular-wick lamp. Iron lantern. Size of glass, $32\frac{1}{2} \times 27\frac{1}{2}$, $32\frac{1}{2} \times 31\frac{1}{4}$, $32\frac{1}{2} \times 17\frac{1}{2} \times \frac{3}{8}$ inches; size of lantern, 10 feet; size of gallery, 18 feet; size of base, 20 feet; height of tower from base to vane, 50 feet; height of tower base to centre of lamp, 44 feet: consumes about 180 gallons of oil per season. The fog-gun is fired every hour during fogs and snow storms, expending about 2,000 lbs. of powder, and a proportionate number of cartridges and friction-tubes during the season.

July 7th.—Landed one boat load; surf too heavy; had to wait until 10th July at 8 a.m., when we landed stores, &c; inspected provision depôt, lights and fog-gun; found vent of gun too large; put new one in; depôt had full supplies; there is no clothing at this Station; on examining the rock on the east side, found a large piece had fallen down and broken the lower ladder; the top part also is not safe; will require to send down two men next spring, and have a new landing blasted for getting up.

The keeper has painted and repaired the light, and put it in good order; he has also built a new storehouse and forge and done them well. We were about 15 hours with eight men at the crane, taking up the stores and fuel.

I would recommend that a donkey engine, the same as we have on the wharf for taking coals out of ships, be put on the Bird Rocks; it would be a great saving of time and labour, and two barrels of water could be on hand for the boiler when the steamer arrives. With such an engine on the rock, it might be a saving of four or five days' time to the steamer.

A new gun-house will be required next spring.

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The lighthouse is a hexagonal wooden building, painted white, with a red roof. In connection with it there are six other buildings, consisting of:—

- One dwelling-house, built of wood, painted white, with a red roof;
 - One oil-shed, built of wood, painted white, with a red roof;
 - One gun house, built of wood, painted white, with a red roof;
 - One powder magazine, built of fire-brick, with a zinc roof;
 - One store shed, situated at the landing, built of wood, painted white, with a red roof;
 - One store shed.
- There are also two cranes, one at each landing.