

is necessary before such an appointment can be regarded as a proper and authorized one.

If this warning be not attended to, the Department is liable to have inefficient and incompetent, as well as unauthorized persons, placed in charge of valuable and important machinery and stations without their knowledge.

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QUACO (REVOLVING WHITE.)

Lat. 45° 19' 20" N.; Long. 65° 31' 55" W.

I visited this Station in July and September, and found the keeper and his assistant in charge. The machinery of the lighthouse was in good order, and the lamps were clean and well kept, as was also the machinery of the fog-bell at this Station. The light at this Station is one of the most brilliant and regular working revolving lights in the Bay of Fundy. I sat on the shore at St. Martins and watched it making its revolutions with the greatest regularity and precision, and throwing out over the Harbour Bay and the surrounding country its brilliant light as it revolved. Mariners, as well as the inhabitants of St. Martins, speak in warm terms of this beautiful light, and also of the value and importance to that Station of the fog-bell, which can be heard at a great distance, and is an invaluable guide in making the harbour in thick and foggy weather. I was much pleased to learn that the light was well maintained, and gave such general satisfaction, although the keeper, Mr. Wm. Love, and his assistant are both aged and infirm men. The assistant is paid by Mr. Love out of his own salary. This must necessarily reduce his own allowance to a very small amount, scarcely sufficient, one would infer, for the support of his family. An assistant of some kind is necessary at stations where there is both a light and a fog-alarm, as the number of successive days during which fog continues in the Bay of Fundy, makes it impossible for any one person to keep both in operation; especially so where the machinery has to be carefully watched during the whole time the weather is thick or foggy. The fog-bell at this Station requires winding up every two hours, and where the fog continues for days together the Department can easily see the excessive strain that comes on the keeper even where there is an assistant.

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CAPE SPENCER (REVOLVING RED AND WHITE.)

Lat. 46° 12' 30" N.; Long. 65° 54' 0" W.

This light is well maintained; Mr. J. C. Blacklock is the keeper and bestows the greatest care and attention upon his duties. None are more alive to the importance of having everything in a regular and orderly manner than Mr. Blacklock, and in his general supervision the Department have a keeper on whom they can rely with great dependence.

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ST. JOHN HARBOUR (BEACON LIGHT, FIXED WHITE.)

Lat. 45° 15' 10" N.; Long. 66° 3' 40" W.

This light is well maintained by Mr. Clark, who has an assistant with him, and gives careful attention to his duties, preserving a good light, and in keeping the building and its surroundings in proper order. The bell is, also, carefully attended to, and is indispensable in entering and leaving this port in thick and foggy weather. Mr. Clark pays his assistant out of his own salary, and he has been soliciting the Department for some allowance for this extra outlay, which has not as yet been acceded to by the Department.