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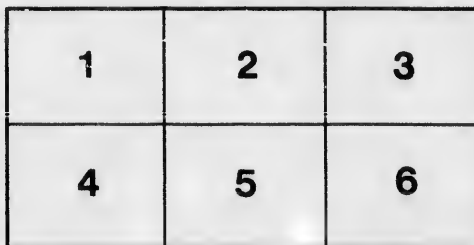
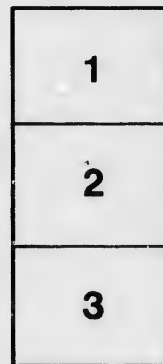
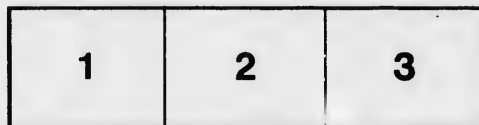
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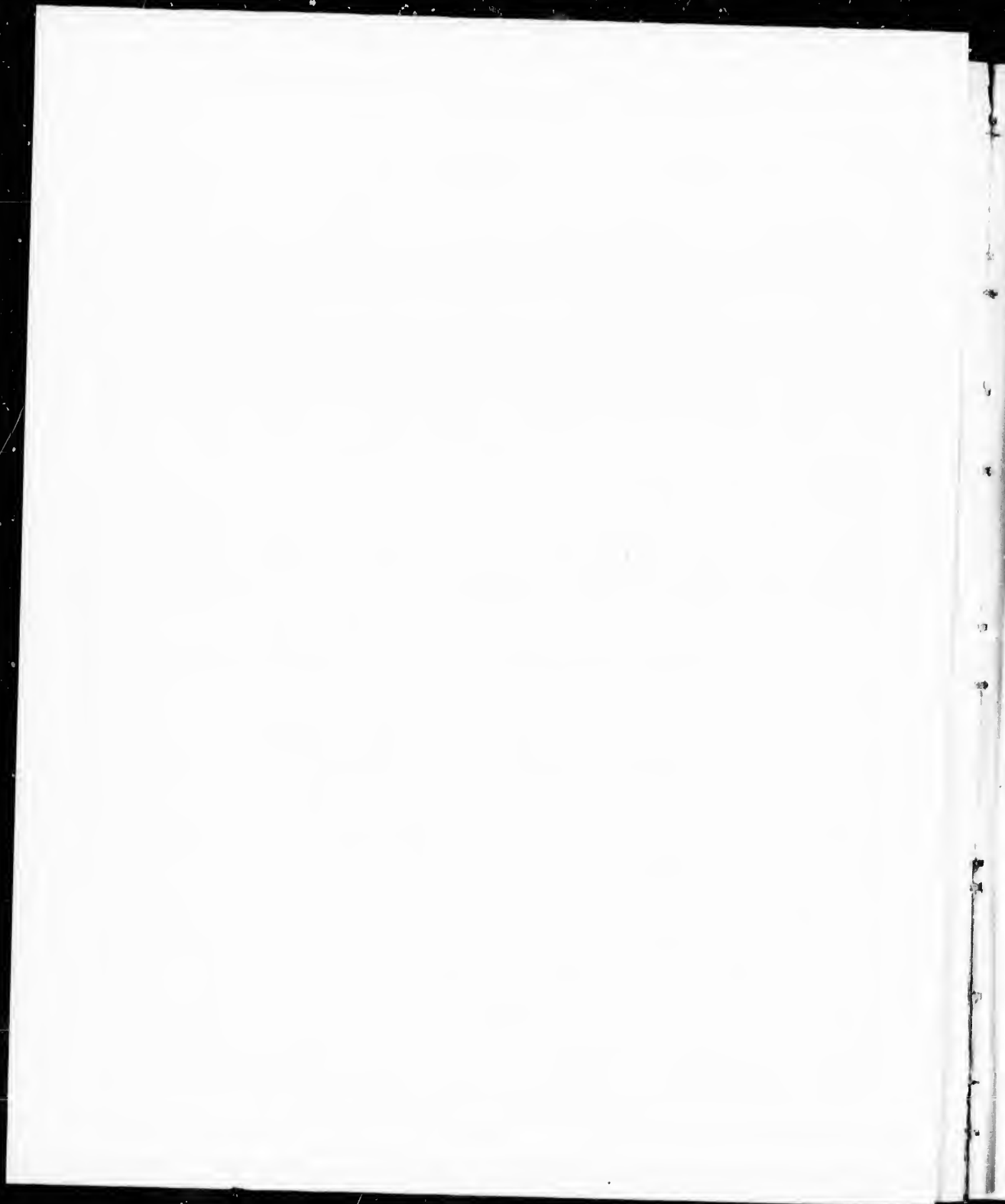
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No. 30 A.

2.

BUREAU OF NAVIGATION—HYDROGRAPHIC OFFICE.

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No. 1 A.

LIST OF LIGHTS

ON THE

EAST AND WEST COASTS

OF

NORTH AND SOUTH AMERICA,

(EXCEPT THE UNITED STATES.)

INCLUDING

BRITISH NORTH AMERICA; THE WEST INDIA ISLANDS, AND THE ADJACENT COASTS;  
THE COAST OF BRAZIL, ETC., TO CAPE HORN; THE PACIFIC COAST  
OF AMERICA, AND THE PACIFIC ISLANDS.

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CORRECTED TO JULY 20, 1881,

AT THE U. S. HYDROGRAPHIC OFFICE.

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(Navigators are requested to inform the U. S. Hydrographic Office, Washington, D. C.,  
of any omissions or errors they may discover in this List.)

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Price                      Cents.

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WASHINGTON:  
GOVERNMENT PRINTING OFFICE.  
1881.

F. Fix  
FL. FL  
F. & F  
REV. F  
INT. I

ALT. A

C. Cato  
D. Diop  
ORD. O

N

B. Braz  
B. A. B  
B. O. B  
C Chile

The be  
Measur  
The dis  
Lights

## ABBREVIATIONS AND EXPLANATIONS.

### LIGHTS.

- F. Fixed or steady.
- Fl. Flashing. Showing five or more flashes and eclipses, alternately, in a minute.
- F. & Fl. Fixed light, with a white or red flash in addition, (preceded and followed by a short eclipse,) at intervals.
- REV. Revolving. Light gradually increasing to full effect, and gradually decreasing to eclipse, at equal intervals.
- INT. Intermittent. Suddenly appearing in view, remaining visible for a certain time, and then as suddenly eclipsed for a shorter time.
- ALT. Alternating. Red and white light, alternately, at equal intervals, without any intervening eclipse.

### ILLUMINATING APPARATUS.

- C. Catoptric, or by metallic reflectors.
- D. Dioptric, or by refracting lenses.
- ORD. Order or class of apparatus, numbered from the first to the sixth order.

N. North.	E. East.	S. South.	W. West.
B. Brazil.	Da. Danish.	M. Mexico.	Spa. Spain.
B. A. Buenos Ayres.	Du. Dutch.	N. G. Nueva Grenada.	U. S. United States.
B. O. Banda Oriental.	E. England.	P. Peru.	V. Venezuela.
C. Chile.	F. France.	R. Russia.	

The bearings are magnetic, and are given *from* the ship, *not from* the light.

Measurements are given in English feet, yards, and nautical miles.

The distance the lights are visible is calculated from a height of fifteen feet above the level of the sea at high water.

Lights are to be considered as *white* unless otherwise stated.



TABLE I.

TABLE OF DISTANCES at which objects can be seen at sea, according to their respective elevations and the elevation of the eye of the observer.

Heights, in feet.	Distances, in statute or English miles.	Distances, in geographic or nautical miles.	Heights, in feet.	Distances, in statute or English miles.	Distances, in geographic or nautical miles.	Heights, in feet.	Distances, in statute or English miles.	Distances, in geographic or nautical miles.
5	2,958	2,565	70	11,067	9,598	250	20,916	18.14
10	4,184	3,628	75	11,456	9,935	300	22,912	19.87
15	5,123	4,443	80	11,832	10,26	350	24,748	21.46
20	5,916	5,130	85	12,196	10,57	400	26,457	22.94
25	6,614	5,736	90	12,549	10,88	450	28,062	24.33
30	7,245	6,283	95	12,893	11,18	500	29,580	25.65
35	7,826	6,787	100	13,228	11,47	550	31,024	26.90
40	8,366	7,255	110	13,874	12,03	600	32,403	28.10
45	8,874	7,696	120	14,490	12,56	650	33,726	29.25
50	9,354	8,112	130	15,083	13,08	700	35,000	30.28
55	9,811	8,509	140	15,652	13,57	800	37,416	32.45
60	10,246	8,886	150	16,201	14,05	900	39,836	34.54
65	10,665	9,249	200	18,708	16,22	1,000	41,833	36.28

EXAMPLE: A tower 120 feet high will be visible, to an observer whose eye is elevated 15 feet above the water, 17 nautical miles; thus, from the table:

15 feet elevation: distance visible, 4,443 nautical miles,  
 120 " " " 12.56 "  
17,003

Difference between the course and the  
SECOND PART.

REL  
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Exa  
when the

and the elevation

	Distances, in geographic or nautical miles.
16	18.14
12	19.87
18	21.46
17	22.94
2	24.33
0	25.65
4	26.90
3	28.10
6	29.25
9	30.28
3	32.45
1	34.54
3	36.28

above the water,

**TABLE II.**  
TABLE FOR FINDING THE DISTANCE of an object by two bearings, and the distance run between them.

Points.	Difference between the course and the first bearing—points.																	
	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½
1	1.00																	
1½	0.81	1.23																
5	0.69	1.00	1.45															
5½	0.60	0.85	1.17	1.66														
6	0.54	0.74	1.00	1.35	1.85													
6½	0.49	0.67	0.88	1.11	1.50	2.02												
7	0.46	0.61	0.79	1.00	1.27	1.61	2.17											
7½	0.43	0.57	0.72	0.90	1.11	1.39	1.77	2.30										
8	0.41	0.53	0.67	0.82	1.00	1.22	1.50	1.87	2.41									
8½	0.40	0.51	0.63	0.76	0.92	1.09	1.31	1.58	1.90	2.50								
9	0.39	0.49	0.60	0.72	0.85	1.00	1.18	1.39	1.66	2.03	2.56							
9½	0.38	0.48	0.58	0.69	0.80	0.93	1.08	1.25	1.46	1.72	2.08	2.60						
10	0.38	0.47	0.57	0.66	0.76	0.88	1.00	1.14	1.31	1.54	1.76	2.11	2.61					
10½	0.38	0.47	0.56	0.65	0.74	0.84	0.94	1.06	1.19	1.35	1.55	1.79	2.12	2.60				
11	0.39	0.47	0.56	0.64	0.72	0.81	0.90	1.00	1.11	1.24	1.39	1.57	1.80	2.11	2.56			
11½	0.40	0.48	0.56	0.63	0.71	0.79	0.87	0.95	1.05	1.15	1.27	1.41	1.58	1.79	2.08	2.50		
12	0.41	0.49	0.57	0.64	0.71	0.78	0.85	0.92	1.00	1.08	1.18	1.29	1.41	1.57	1.76	2.03	2.41	
12½	0.43	0.51	0.58	0.65	0.71	0.77	0.83	0.90	0.97	1.03	1.11	1.20	1.29	1.41	1.55	1.72	1.96	2.30

**RULE.**—Multiply the distance run in the interval between the two bearings by the number found in the table under the difference between the course and first bearing, and opposite the difference between the course and second bearing. The product is the distance at the time the second bearing was taken.

**EXAMPLE.**—A light-house, when first seen, bore WNW.; after running W. by S. 16 miles, it bore N. 1 W. Required, its distance when the second bearing was taken.

Difference between course and first bearing = 3 points.  
 Difference between course and second bearing = 8½ points.  
 Corresponding tabular number = 0.63  
 And 16 miles × 0.63 = 10.08 miles, the distance required.

# LIGHTS.

## LABRADOR.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative position.	Character of light	Interval of revolution or flash.
			° N.	' "	° W.	' "			
1	BELLE ISLE	Straits of Belle Isle, extreme S. point of island.	51	53 0	55	22 15	1	F.	
2			300 feet below old light-house on south point of island.	51	53 0	55	22 15	1	F.
3	AMOUR POINT	SE. side of Forteau bay	51	27 35	56	50 53	1	F.	
4	GREENLY ISLAND.	SW. point	51	22 35	57	10 50	1	Rev., white and red, and white.	Every 1½ minutes

## NEWFOUNDLAND.

5	CAPE NORMAN	Straits of Belle Isle	51	38 0	55	53 40	1	Rev.	Every 2 minutes
6									
7	POINT RICH	NW. coast, straits of Belle Isle.	50	41 50	57	25 28	1	Fl.	Every 15 seconds
8	TOTTINGJET (Twillingate)	On Long point, (Devil Cove head.)	49	41 20	54	47 35	1	Rev.	Every 30 seconds.
9	OFFER WADHAM	On island	49	25 40	53	43 30	1	F.	
10	CANN ISLAND	South of Fogo island	49	35 5	54	10 30	1	F.	

# LIGHTS.

## LABRADOR.

Character of light	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		1	170	28	Circular; clapboarded, white.	62	D, 1st ord.	1858	Lighted from April 1 to December 15. Visible between the bearings N.W. by N. round by S. to E. Illuminating an arc of 236°. During fogs and snow storms a gun will be fired every hour. Depot of provisions for shipwrecked mariners.
F.		2	128	17	Square; white; wood.	31	C.	1880	Additional light, as the higher light is frequently hidden by fog. Visible in all directions except when intercepted by high land of island to the northward.
F.		3	155	18	Circular; clapboarded, and white.	709	D, 2d ord.	1858	Lighted from April 1 to December 15. During fogs and snow storms a gun is fired every hour, and a fog-whistle gives a blast of 10 seconds' duration every minute, with an interval of 50 seconds between blasts.
Ev. sound and light.	Every 1½ minutes	4	100	15	Octagonal; wood; 1 white color; with keeper's dwelling attached.	78	C.	1878	This light shows white ¼ minute; red ¼ minute; white ¼ minute; and is eclipsed 1½ minutes during each revolution of 3 minutes.

## NEWFOUNDLAND.

v.	Every 2 minutes	5	138	20	Hexagonal; white dwelling.	10	C.	1871	Visible from all points seaward.
		6							
	Every 15 seconds	7	130	18	Hexagonal; white.	40	C.	1871	Keeper's dwelling white; 100 feet from light.
	Every 30 seconds.	8	335	27	Square; red; brick; keeper's dwelling attached.	45	C.	1876	
		9	100	12	Circular; brick.		D.	1858	
		10	85	12	Wood; attached to keeper's dwelling.		D, 6th ord.	1874	Illuminates an arc of 327°.

## NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			°	'	°	'			
10 <sub>a</sub>	STINKING ISLANDS	Cabot Island	49	19 20	53	21 21	1	Int.	11 seconds bright, 9 seconds dark.
11	PUFFIN ISLAND	On island	49	3 37	53	32 27	1	F. red.	
12									
13	BOSAVISTA	On cape	48	11 56	51	5 10	1	Rev., red and white.	Every 45 seconds: flash 15 seconds; eclipsed 30 sec's.
14									
15	CATALINA HARBOR	Green Island, near entrance	48	30 15	53	2 40	1	F.	
16									
17	TRINITY HARBOR	Fort point, at entrance to harbor.	48	21 55	53	20 51	1	F.	
18									
19	BACCALIEU ISLAND	Half a mile from N. part	48	8 51	52	47 50	1	Rev.	Every 20 seconds.
19 <sub>a</sub>	CARBONEAR ISLAND	Summit	47	41 24	53	9 22	1	F.	

## NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in natural miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Int.	11 seconds bright, 9 seconds dark.	10	74	10	Iron tower on keeper's dwelling; square; flat-roofed; painted alternately horizontal red and white bands.	10, 4th ord.	1880		
Rev.		11	85	12	Granite; attached to keeper's dwelling.	D, 4th ord.	1873	Visible between the bearings W. by N. and N. by E., over an arc of 270°.	
Rev. and white.	Every 45 seconds; flash 15 seconds; eclipsed 30 sec's.	13	150	16	Square, with vertical red and white stripes.	36	D., 1st ord.	1843	Red and white, alternately, in every direction seaward. Kept open of Spillers' point clears the Flow's rocks.
F.		15	92	15	Wood, white; red roof.	0, 4th ord.	1857	Visible from seaward between the bearings WSW. and NE., illuminating an arc of 157½°.	
F.		17	75	11	Wood; white.	D, 6th ord.	1874	Illuminates an arc of 320°.	
Rev.	Every 20 seconds.	19	380	28	Circular; brick.	34	C., 1st ord.	1858	When the S. part of the island bears NNE. ½ E. within the distance of 8 miles, the light is not visible, being obscured by the high land. The keeper's dwelling is white, and roof red.
F.		19	195	16	Wood; white; keeper's dwelling attached; red roof.	D, 6th ord.	1878		



## NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F. red.		20	123	12	White; wood.		D., 5th ord.		During the continuance of thick weather and snow storms a powerful siren trumpet will be sounded. Sound 5 seconds, silence 7 seconds; sound 5 seconds, silence 43 seconds.
Rev., white and red.	Every $\frac{1}{4}$ minute; 2 white and 1 red flash.	21	151	18	Square; wooden house; roof white and red stripes.	35		1861	On keeper's dwelling. Visible between the bearings N NE. and S SW.
		22							
F.		23	$\left. \begin{array}{l} 40 \\ 17 \end{array} \right\}$	$\left. \begin{array}{l} 11 \\ 3 \end{array} \right\}$	Wood; white.	38	Gas.	1853	West, leads in to clear the spit of 8 feet. Appears as a double light for 3 miles only. Obscured by the Salvage on the bearing W. $\frac{1}{2}$ S.
		24							
F.		25	114	16	Square; stone; on keeper's dwelling.	39	C., 1th ord.	1834	Visible seaward between the bearings W SW. and N NE. When Cape Spear or St. John's harbor is enveloped in fog, a gun is fired every hour during daylight. St. John Chain rock battery in longitude 52° 46' 47" W.
		26							
F. red.		27	225					1863	
		28							These two lights in one lead through the Narrows, NW. $\frac{1}{2}$ W.
F. red.		29	50					1863	
		30							





## NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Rev.	Every minute.....	31	264	22	Square; wood; red and white horizontal stripes.	38		1845	In thick or foggy weather a trumpet, sounding by the escape of compressed air, will be sounded seven seconds in each minute.
		32							
F.		33	200	16	Brick; red			1871	Keeper's dwelling painted white, with red roof.
		34							
Rev.	Every ½ minute...	35	180	19	Circular; SE. face of light-house striped red and white, vertical.	40	C, 1st ord.	1856	A conical beacon stands 50 yards S. from light-house, and telegraph station N. 240 yards from light-house. Visible between the bearings E. N. E. and W. S. W. During fogs and snow storms a steam fog-whistle, 250 feet from the light-house, will be sounded for 10 seconds, with intervals of 50 seconds and will probably be heard with or against a light wind 6 to 7 miles.
		36							
		37	314	24	Circular; red and white bands.	56		1851	Visible in all directions seaward between the bearings W. by S. and SE.
		38							
id te.	Every minute, alternately red and white.	39	300	26	Circular; brick	40	D, 1st ord.	1860	
		40	98	11	Tower; wood; white; keeper's dwelling attached.		D, 5th ord.	1879	
	Every 20 seconds	41	450	27	Circular; on keeper's dwelling.	25	D, 1st ord.	1858	
		42							

## NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
43		Gantry head	$\begin{matrix} \circ & \text{N.} & \circ & \text{W.} \\ 46 & 46 & 3 & 56 & 1 & 7 \end{matrix}$	1	Fl., white and red.	Every 10 seconds, 3 flashes, 2 white and 1 red.	
44							
45		Canon point, St. Pierre harbor.	46 47 2	56 9 38	1	F.	
	ST. PIERRE ISLAND						
46							
47		SW. of above $\frac{1}{8}$ mile			1	F.	
48							
49		He aux Chiens, SW. point.			1	F. red, with white sector.	
50	LABELIN HARBOR	Southeast point of Allan island.	46 51 0	55 47 0	1	F.	
51		Brunet Island, Mercer head, S. part of island.	47 45 32	55 51 50	1	Fl.	Every 10 seconds
52	FORTUNE BAY	Garnish	47 44 —	56 24 —	1	F. red.	
53		At Bell-rain, on the point of beach.	47 29 0	55 27 15	1	F.	

## NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Fl., lites and red.	Every 10 seconds, 3 flashes, 2 white and 1 red.	43	210	18	Nearly square; white	36	B., 2d ord.	1862 all'd 1879	During thick weather, fogs, and snow storms, a fog-whistle at Galantry head, about 50 yards from the hillock above the light-house, will be sounded from the 15th of March to the 1st of December, and from December 1st to March 15th, on the arrival of the mail-steamer from Halifax. The whistle will be sounded 6 seconds every minute, with intervals of 34 seconds between the blasts; and will probably be heard with or against a light breeze 7 miles. This signal will replace the gun, which will hereafter only be fired when the fog-whistle is undergoing repairs. Semaphore signal-station. Vessels can obtain information in regard to ice, winds, &c., in the gulf.
F.		44							
F.		45	36	6	Square; white		C., 4th ord.	1862	
F.		46							These two lights kept in one, NW., lead mid-channel through S. entrance, and indicate the best water between the Bertrand rocks and He aux Chiens.
F.		47	64	3	Square; white		C., 4th ord.	1862	Red light kept in sight to the left of Cape Eagle, working into the NE. passage, clears to S. of Cape Rouge shoals.
red, white sector.		48							
F.		49	62	7	Iron; red			1874	The white sector illuminates an arc of 40°, between the bearings NW. $\frac{1}{2}$ N. and N. $\frac{1}{2}$ E., and by keeping within it the Basse Batterie rock on the right and Bertrand rocks on the left are cleared. The red one illuminates an arc of 127°, between N. $\frac{1}{2}$ E. and SE. $\frac{1}{2}$ E., which must be avoided on entering the SE. channel; but when outside the white sector it will assist in anchoring in the harbor if the white light on Pointe aux Canons and the red light in the town are kept well in line.
F.		50	64		Octagonal; wood; red and white.		D., 6th ord.	1879	
Fl.	Every 10 seconds	51	108	25	Center of a square house; white; roof red.	30	D., 3d ord.	1865	Visible in all directions except when obscured by the land between ESE. and S.
red.		52	20		Wood; supporting an octagon, painted red and white.			1874	Guide to fishing-vessels.
F.		53	35	7	Wood; white		D., 6th ord.	1874	Illuminates an arc of 270°.



## NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F. red.		54	(281 267)	19	Wood; white; keeper's dwelling attached.		(D. .... R. ....)	1879	Red light visible between the bearings S. 76° 50' E. and N. 32° 30' W., over an arc of 136°. These two lights appear as one light at a distance of 4½ miles.
		55							<i>Destroyed by fire, June, 1881.</i>
F. red.		56	160	17	Wood; attached to keeper's dwelling.		D., 6th ord.	1874	Illuminates an arc of 270°.
F.		57	95	13	Granite; attached to keeper's dwelling.		D., 4th ord.	1874	Visible between the bearings E. and W. by N., illuminating an arc of 169°.
F. red.		58	90	12	Wood		D., 4th ord.	1874	Illuminates entire horizon.
Fl.	Every 10 seconds.	59	41	20	Hexagonal; wood; white		C. ....	1871	At a long distance it appears as a steady light. During thick and foggy weather a steam fog-whistle, situated ¼ mile east of the light-house, will be sounded for 10 seconds, with intervals of 50 seconds, each minute. It will be heard, with a light breeze, 8 miles.
		60							

## ST. LAWRENCE GULF AND RIVER.

Extinguished December 20th.

The only exceptions being the one on Bird rock, on December 31st, and SW. point of St. Paul island, lighted all the year round.

F.		61	140	20	Octagonal; wood; white.	40	D., 3d ord.	1839	Obscured between the bearings N. by E. ½ E. and ENE.
		62							
Rev.	Every minute.	63	140	20	Octagonal; wood; white.	40	D., 3d ord.	1831	Visible on all bearings except between SSE. and W. During thick and foggy weather a steam fog-whistle, on the S. side of St. Paul island and SW. side of Athletic cove, about ¼ mile distant from St. Paul's Island Humane Establishment, will be sounded every minute, the blast continuing five seconds. It will probably be heard in calm weather, or with the wind, from 10 to 15 miles; in stormy weather, or against the wind, from 3 to 6 miles, according to the state of the atmosphere.
		64							

## ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.			
			°	' N. "	°	' W. "						
65	MAGDALEN ISLANDS.	Entry island.....	SE. side.....	47	16	30	61	42	0	1	F. red.	
66												
67		Amherst island.....	South cape.....	47	13	0	61	58	0	1	Rev., red and white.	Every ½ minute.
68												
69		Grindstone island.....	W. side, near Étang du Nord.	47	23	30	61	58	0	1	Rev.	Every 3 minutes, with a flash every minute and a holt
70												
71		Great Bird rock.....	E. end.....	47	50	40	61	8	20	1	F.	
72												
73	CAPE ROZIER.....	On cape.....	48	51	37	64	12	0	1	F.		
74												
75	GASPÉ BAY.....	On cape Gaspé.....		48	45	15	64	9	15	1	F. red.	
76												

## ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
rev.	Every 4 minutes.	65	90	12	Square; wood; white; attached to keeper's dwelling.	28	C.	1874	Visible from all points of the compass except from ESE, round to N., where it is intercepted by the high land of the island.
rev. and white.	Every 3 minutes, with a flash every minute and a half.	67		20	Hexagonal; wood; white.		C.	1871	
rev.		69	200	20	Square; wood; white.	28	C.	1874	The whistle will be sounded during thick weather, fogs, and snow storms, so as to give two blasts of 8 seconds' duration in each minute, with an interval of 22 seconds between the blasts. The blasts will probably be heard in calm weather, or with the wind, from 8 to 12 miles, and in stormy weather, or against the wind, from 3 to 6 miles, according to the state of the atmosphere.
		71	140	21	Hexagonal; white.	50	D, 2d ord.	1870	White dwelling 200 feet distant. During fogs and snow storms a gun is fired every 4 hour.
		73	136	16	Circular; faced, clap-boarded, and white.	112	D, 1st ord.	1868	During fogs and snow storms a gun is fired every hour.
red.		75	350	12	Square; wood; white; on keeper's dwelling.	30	C.	1873	During thick and foggy weather or snow storms a steam fog-whistle will be sounded for 10 seconds in each minute, with an interval of 50 seconds between each blast. It will probably be heard in calm weather, or with the wind, from 8 to 13 miles; in stormy weather, or against the wind, from 3 to 6 miles.





## ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
E.		77	40	11			C.	1867	
		78							
E. red.		79	20	7			C.		Shown only when mail steamers are expected.
		80							
E. red.		81	(35) (29)	7	Red; "LIGHT-VESSEL" on her sides.		C.	(1871) (1872)	For guiding vessels into the harbor.
		82							
E.		83	110	15	Circular; faced, clap-boarded, and white, with one red horizontal band.	90	C.	1835	Visible between the bearings of SW. by W. and E. The light-house must always be kept open southward of Cormorant point. Depot of provisions here for shipwrecked mariners.
		84							
rev.	Every 20 seconds.	85	75	14	Hexagonal; wood; white, with one red vertical stripe.	54	C.	1871	Keeper's dwelling, also of wood, painted white, and stands about 150 feet E. of the tower. During foggy weather a steam fog-whistle, 100 yards E. of the light-house, will be sounded for 10 seconds in every minute, with intervals of 50 seconds. In calm weather will be heard 15 miles, and with the wind 20 miles; during a storm and against the wind, about 7 miles.
		86							
ev.	Every minute.	87	100	15	Circular; white, with two red horizontal bands.	75	C.	1831	Visible between the bearings N N W. and SE. by E.
		88							



## ST. LAWRENCE GULF AND RIVER--Continued.

Character of light.	Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.	-----	89	112	15	Circular; clapboarded; white, with two red vertical stripes.	109	D 2d ord.	1858	Hurling logs and shot against a gun is fired every hour. Depot of provisions for shipwrecked mariners.
		90							
Rev., red and white.	Every 2 minutes	91	147	R. 15 W. 20	Hexagonal; wood; white, with one black vertical stripe.	51	C. -----	1871	
F. & Fl. red.	Every 20 seconds	91a	200	50	Square wooden tower; white, with one black horizontal band; dwelling attached, painted white.	50	C. -----	1880	Visible from all points seaward.
F.	-----	92	125	17	Square; wood; white, with two black horizontal bands; keeper's dwelling attached.	54	C. -----	1876	
F.	-----	93	200	30	Square; wood; white, with one red horizontal band; attached to keeper's dwelling.	39	C. -----	1876	
		94							
Rev.	Every 14 minutes	95	76	15	Octagonal; white, with one red vertical stripe; on keeper's dwelling.	35	C. -----	1871	
		96							
Rev.	Every 4 minutes	97	120	18	Square; wood; white, with two black vertical stripes.	26	C. -----	1875	Situated about 480 yards ENE. from former light-house.
		98							



## ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light, height, or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.	-----	90	65	10	Square; wood; white, with one black horizontal band and vertical stripe; on keeper's dwelling.	28	C.	1873	
		100							
F.	-----	101	100	15	Circular; clapboarded, and white, with two red horizontal bands.	75	F.	1830	Depot of provisions for shipwrecked mariners. During fogs and snow storms a gun will be fired every hour.
		102							
F.	-----	103	{24} (27)	12	Black; "MANICOUAGAN, QUEBEC," on her stern.		D.	1872	During thick or foggy weather or snow storms a steam fog-whistle will be sounded as follows: A blast of 8 seconds, an interval of 8 seconds, then another blast of 8 seconds, after which an interval of 2 minutes and 20 seconds. It will probably be heard at the following distances: In calm weather, or with the wind, from 10 to 20 miles; in stormy weather, or against the wind, from 3 to 8 miles.
		104							
Alt.	Greatest brilliancy every minute.	105	56	15	Square; white; attached to keeper's dwelling.	40	C.	1874	
		106							
F.	-----	107	43	10	Square; white, with one black horizontal band.		F.	1830	Pilots stationed here.
		108							
Rev.	Every 2 minutes.	109	112	17	Circular; clapboarded, and white.	65	C.	1841	During fogs and snow storms a gun will be fired every half-hour.
		110							

## ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ' " N.	° ' " W.			
111	PORT NEUF	On a pier	48 37	69 6	1	F.	
112							
113	RED ISLAND BANK	Light-vessel, in 10 fathoms; $\frac{1}{2}$ mile E. NE. from red buoy.	48 6 30	69 31 0	2 1 on foremast; 1 on main-mast.	F.	
114							
115	SAGUENAY RIVER	On center of Lark islet	48 5 30	69 39 0	1	F.	
116							
117	RED ISLET	Center of islet	48 1 20	69 32 56	1	F. red.	
118							
119	GREEN ISLAND	On N. point	48 3 17	69 25 3	1	F.	
120							
121	BRANDY POINT	84 yards from SE. end of islet.	47 52 30	69 40 50	1	F.	
122							

## ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
111	40	15	Square; wood; white, with two red vertical stripes.	27	C.	1873	
112							
113	{ 331 } { 22 }	12	Red; "RED ISLAND LIGHT-SHIP" on her sides.	34	{ C } { D }	{ 1871 } { 1873 }	During thick or foggy weather or snow storms a steam fog-whistle will be sounded from the light-vessel 10 seconds in every minute, and will probably be heard at the following distances: In calm weather, 15 miles; with the wind, 20 miles; in stormy weather, 5 to 8 miles; against the wind, 3 to 5 miles.
114							
115	35	10	Square; wood; white	29	C.	1872	
116							
117	75	12	Circular; gray stone	51	C.	1848	
118							
119	60	13	Octagonal; clapboarded, and white.	40	C.	1809	During fogs and snow storms a gun is fired every half-hour.
120							
121	78	10	Brick; drab color	39	D, 4th ord.	1862	
122							



## ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
123	LONG PILGRIMS	40 yards W. of center of island and 108 yards S. from water's edge.	47 43 15 N. "	69 45 0 W. "	1	F.	
124							
125	GRANDE ISLE, KAMOURASKA.	240 yards from NE. end of island; 160 yards from water's edge.	47 38 0	69 52 0	1	Rev.	Every minute.
126	POINT AUX ORIGNEAUX	St. Denis wharf	47 29 36	70 1 43	1	F.	
126a	GOOSE CAPE	On cape	47 29 30	70 13 45	1	F.	
126b	ST. PAUL BAY	On pier	47 21 45	70 29 --	1	F.	
127		Light-vessel, on NW. edge of St. Rophie shoals.	47 19 50	70 16 0	2	F.	
128	SOUTH TRAVERSE						
129		Light-vessel, NE. part of St. Rophie shoals.	47 22 10	70 14 50	2	F.	One light 4 ft. higher than the other.
130							
131	STONE PILLAR	100 yards from S. point of islet.	47 12 25	70 21 36	1	Rev.	Every 14 minutes
132	ALDERNON ROCK	S. from the Stone Pillar	47 12 25	70 21 26	1	F.	

## ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in main-beam miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.	-----	123	180	12	Brick; drab color	39	D, 4th ord.	1862	
		124							
Rev.	Every minute.	125	166	18	Wood	39	C	1862	
F.	-----	126	34	10	Square; wood; white	20	C	1875 altd 1880	Visible from all points seaward.
F.	-----	126a	48	12	Painted white; keeper's dwelling attached.	42	C	1876	
F.	-----	126f	36	10	Square; wood; painted white; keeper's dwelling attached.	30	C	1876	
F.	-----	127	{ 24 } { 16 }	6	Two masts		C	1871	During thick or foggy weather or snow storms a bell will be tolled. If, from any accident, the light-vessel should be out of position, the light on the foremast only will be exhibited, and during the day the ball at the foremast-head will be taken down.
		128							
F.	-----	129		10	Iron; two masts; "TRANSVERSE LIGHT-SHIP" in white letters on each side.	{ 23 } { 27 }	D	1875	During thick or foggy weather and snow storms a whistle will be blown for 12 seconds every minute; interval of 48 seconds between sounds. If, from any accident, the vessel should be out of position, one light only will be shown. A RED ball is carried at mainmast-head, which will also be lowered in case of accident.
		130							
Rev.	Every 14 minutes	131	68	13	Conical; stone; white	38	C	1843	
F.	-----	132	36	6	Square; wood; white	32	D, 6th ord.	1880	To guide vessels passing clear of the rock.



## ST. LAWRENCE RIVER.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
E.		133	175	10	Square; wood; white	30	C.	1870	
E.		134	(290 170)	(16 1/2 12)		(31) (21)	C.	1875	Range lights between Traverse spit and Broûé bank.
E.		135	11	10	Wood	37	C.	1862	
E.		136							
E.		137	70	13	Wood	30	C.	1862	
Rev.	Every 4 minute	139	27	15	Square; wood; white; on a wharf.	23	C.	1874	
E.		141	38	8	Wood; white		C.	1869	
E.		142	(110 30)	(10 1/2 12)		(30) (28)	C.	1875	Range lights between Traverse spit and West sand.
E.		143	96	10	Wood; white		C.	1858	



## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and color of illuminating apparatus.	Year lighted.	Remarks.
F.		145	30	6	Wood; white	20	C	1842	A small light, to assist in keeping in channel for some distance up and down the river.
		146							
F.		147	$\left. \begin{matrix} 120 \\ 120 \end{matrix} \right\}$	5	Both stone, and white; the lower lantern is on roof of house.		C	1842	These lights in one lead up Richelieu channel to the light on Richelieu island.
		148							
F.		149	$\left. \begin{matrix} 152 \\ 130 \end{matrix} \right\}$	12	Octagonal; wood; white.	$\left. \begin{matrix} 24 \\ 7 \end{matrix} \right\}$	C	$\left. \begin{matrix} 1816 \\ 1824 \end{matrix} \right\}$	These lights lead up the Richelieu channel.
		150							
F.		151	27	6	Octagonal; stone		C	1846	This light and the lights on Platon point are very nearly in the same line of bearing, viz: E N E. $\frac{1}{4}$ E.
		152							
F.		153	35	5	Wood	8	C	1841	To point out the Battures des Grandines, and to avoid Battures Cordin, and as a steering point for Richelieu.
		154							
F.		155	110	4	Wood	20	C	1856	Lead to and from cape à la Roche and cape Charles, answer as a steering point through Richelieu river.
		156							



## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		157	{ 50 } { 25 } each.	5	Octagonal; wood; white.	30	C.	1857	To lead off cape à la Roche to Lévrard.
		158							
		159							
		160							
F.		161	{ 20 } { 42 } each.	4	Octagonal; on a square platform.	{ 18 } { 11 }	C.	1844 and 1879	
F.		162	{ 34 } { 60 } each.	6	Square; white; vertical stripe of red on side facing the channel. Pole.		C.	1879	Range light.
		163							
		164							
F.		165	{ 53 } { 33 }	4	Octagonal; wood; white.	{ 13 } { 10 }	C.	1843	To clear Batterie Bigot.
		166							
F.		167	{ 55 } { 35 }	6	Octagonal; wood; white.	{ 39 } { 10 }	C.	1843	To clear Pouliller Provenché.
		168							



## ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	
			° N. ' "	° W. ' "					
169	PORT ST. FRANCIS.....	S. shore; high light on a pier.	46 16 17 Front Pt.	72 37 16	2 W. S. W. 3/4 W. and E. S. E. 3/4 E., 550 feet apart.	F.		169	
170								170	
171	POINT DU LAC.....	N. shore.....	46 16 50	72 40 22	1	F.		171	
172								172	
173	} ST. PETER'S LAKE.	East.....	Light-vessel, in lake, off Rivière du Loup.	46 15 55	72 42 15	1	F.	173	
174								174	
175		Center.....	Light-vessel, SSE, about 2 1/2 miles from Rivière du Loup.	46 11 26	72 54 12	1	F.	175	
176									176
177		Western.....	Light-vessel, N. side of channel, NE. by N., about 3 miles from Flat Island.	46 9 37	72 56 54	1	F.	177	
178								178	
179		N. part of island.....	46 6 14	72 57 50	1	F.		179	
180		Isle aux Rabins.....						180	
181		S. part of island.....	46 6 0	72 58 0	1	F.		181	

## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.	-----	169	14	4 each.	Octagonal; wood; white.	18	C.	1839 alt'd 1879	
		170							
F.	-----	171	71	12	Octagonal; wood; white.	24	C.	1843	Shows the turn of channel at point du Lac.
		172							
F.	-----	173	15	6	Red.	8	C.		Removed at the approach of winter on account of ice.
		174							
F.	-----	175	15	6	Red.	8	C.	1816	Removed at the approach of winter on account of ice. To indicate the turn of the channel, and leads to No. 2.
		176							
F.	-----	177	15	6	Red.	8	C.	1854	In connection with Isle à la Pierre, and bearing in line with No. 1, and to avoid Battures St. François and à la Carpe.
		178							
F.	-----	179	30	6	Red.	20	C.	1843	
		180							To lead from the entrance of the Batture of Lake St. Peter to No. 1 light-vessel, up and down.
F.	-----	181			Red.		C.	1862	



## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		182							
F		183	30	6	Red		C		Indicates entrance to channel and leads to No. 1.
		184							
F		185	(21) { 13 }	7	Red	(17) { 9 }	C	1831	Leads to Flat Island channel.
		186							
F		187			Square; wood; white		C	1858	To lead into La Valtrie channel and to Boucharde island, and indicate the new channel; to be kept in line till La Valtrie lights are brought in one.
		188							
F		189			Octagonal; wood; white		C	1866	To clear the island.
		190							
F		191	(20) { 14 }	4	Wood; white	(26) { 14 }	C	1843	To lead through Isle à la Baguette channel, and to avoid Pontilier on the N. and shoal on the S.
		192							
F		193	24	4	Octagonal; wood; white	16	C	1831	To indicate the island, the land being extremely low. Removed in winter on account of ice.
		194							

## ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions	Character of light.	Interval of revolution of flash.
			N. ° ' "	W. ° ' "	° ' "	° ' "			
195	ST THÉRÈSE	On island	45 40 20 Front l't	73 28 0	2	SW. by S and NE. by N, 1,200 feet apart.	F.		
196									
197	POINT AUX TREMBLES	N. shore	45 38 26 E. light.	73 29 20	2	SW. and NE. (nearly), 600 yds. apart.	F.		
198									
199	MONTREAL	On island wharf	45 30 22	73 33 14	2	SW. 1 S. and NE. 1 N., 73 yds. apart.	F. red.		
200									
201	LACHINE	On pier at entrance of canal, N. shore.	45 27 0	73 41 0	1		F.		
202									
203	LAKE ST. LOUIS.	Light-vessel, 0.8 mile above Lachine.	45 26 30	73 42 10	1		F.		
204									
205		Light-vessel, 2½ miles above Lachine.	45 25 40	73 44 15	1		F.		
206									

Number	Height of light above sea level
195	( 13 ( 33
196	
197	( 34 ( 25
198	
199	( 38 ( 29
200	
201	23
202	
203	20
204	
205	20
206	

## ST. LAWRENCE RIVER—Continued.

Number	Height of light above sea level	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
195	( 13 33 ) each.	( 3 3 ) each.	Square; wood; white. Pole.	13	C	1879	
196							
197	( 33 25 )	( 6 1 )	Octagonal; wood; white		C	1896	To lead through the channel between Point aux Trembles and Yvernes up to Lougue point.
198							
199	( 38 21 ) each.	( 4 1 ) each.	Octagonal; wood	( 31 21 )	C	1830	Indicates the deepest channel to and from the harbor.
200							
201	25	6	Square; wood; white	17	C	1849	
202							
203	20	6	Circular; iron; red; tower on vessel white; lantern red.		C	1849	
204							
205	20	6	Red; tower on vessel white; lantern red.		C		
206							



## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		207	33	9	Square; wood; white.	20	C.	1874	
		208							
F.		209	29	7	Square; white.	25	C.	1860	
		210							
F.		211	20	6	Red; tower on vessel white; lantern red.		C.	1849	
		212							
F.		213		10	Square frames; wood.		C.	1850	In one lead to Chateauguay light.
		214							
F.		215	36	9	Wood; white.	17	C.		
		216							
F.		217	45	6	Hexagonal; white.	30	C.	1871	
		218							



## ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			°	'	°	'					
219	McTavish point.....		45	50 0	71	52 30	1	F.		219	35
220	Isle à Cadieux.....	On eastern point.....	45	26 25	74	0 50	1	F.		220	30
221	Wade shoal.....	Two miles above point du Chêne.	45	25 0	75	37 0	1	F.		221	35
221a	Caron point.....	Two miles below St. Anne du Bout de l'Isle.	45	20 0	74	5 0	2	F.		221a	
221b	St. Placide.....		45	20 0	74	16 0	2	F.		221b	
221c	St. Anne du Bout de l'Isle.		45	19 0	74	2 0	2	F.		221c	
222	Point aux Anglais.....	Near Carillon.....	45	13 0	74	15 0	1	F.		222	22
223		On pier in river, off Grosse point.	45	15 30	71	9 30	2	F.		223	
224	Grosse point.....									224	
225		Upper entrance of Beauhar- nois canal.	45	15 35	71	9 25	2	F.		225	20
226										226	
227	Coteau du Lac.....	NE. corner Government pier	45	15 40	74	13 0	1	F. red.		227	29

OTAWA RIVER—Continued.

ST. FRANCIS LAKE.

## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Color and order of illuminating apparatus.	Year lighted.	Remarks.
F.	-----	219	35	6	Hexagonal; white	30	C.	1871	The two Incline sides facing the river are painted white; all the others are painted brown.
F.	-----	220	30	8	Square; wood; white		C.	1875	Keeper's dwelling attached; serves as a guide to vessels navigating Ottawa river.
F.	-----	221	35	8	Lantern on frame-work	25	C.	1870	Can be seen on approaching it in both directions.
F.	-----	221a			Round; square; wood; lensless.		C.	1874	
F.	-----	221b			Brown; square; wood; lensless.		C.	1874	
F.	-----	221c			Brown; square; wood; lensless.		C.	1871	
F.	-----	222	22	10	White; square; wood	27	C.	1873	River light.
F.	-----	223		3	Square; wood; one red and one white.		C.	1850	
F.	-----	225	20	8	Square; wood; one red and one white.	20	C.	(1845) (1850)	To be kept in one, when leaving the canal, until the upper lights come in one.
red.	-----	227	20	10	Square; wood; white	28	C.	1877	Visible between the bearings of W S W, $\frac{1}{4}$ W, and E, $\frac{1}{4}$ S., over an arc of 202 $^{\circ}$ .

## ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N.	' "						
228	McKillop's point	S. shore	45	11 30	74 17 0	1	F.		228	35
229	McGee's point	N. shore	45	12 25	74 19 10	1	F.		229	30
230									230	
231	Cherry island	S. side of N. channel	45	9 10	74 22 30	1	F.		231	40
232									232	
233	Cherry	Above island, on a pier in the river.	45	8 20	74 25 40	1	F.		233	
234									234	
235	Crib	N. side of channel, on a pier, 4 miles SW. from Lancaster village.	45	6 40	74 30 30	1	F.		235	20
236									236	
237	Hamilton island	On S. side	45	4 30	74 32 30	1	F.		237	42
238									238	
239	Glengarry	On Stone-house point	45	3 30	74 36 45	1	F.		239	42
240									240	

ST. FRANCIS LAKE—Continued.

## ST. LAWRENCE RIVER—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	228	35	10	Square; wood; white	22	C.	1875	
	229	30	10	Square; wood; white	24	C.		Midway between Coteau and Cherry Island.
	230							
	231	40	10	Square; wood; white	30	C.	1847	
	232							
	233	8		Square; wood; white		C.	1849	Opposite the light there is a beacon N. of the channel.
	234							
	235	20	8	Square; wood; white	20	C.	1844	
	236							
	237	42	10	Square; wood; white	27	C.	1873	
	238							
	239	42	10	Square; wood; white	27	C.	1873	
	240							



## ST. LAWRENCE RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
241				C.		1865	
242							
243	32	15	Round; stone	62	C	1873	
244							
245	33	6	Square; wood; white	31	C.	1856	
246							
247	30	12					
248							
249	55	10	Square; wood; white	37	C.	1859	
250							
251	40	7	Square; wood; white	26	C.	1856	
252							

These small lights are for the purpose of marking out the channel, through the Thousand Islands, between Brockville and Kingston.



## ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and color of illuminating apparatus.	Year lighted.	Remarks.
F	44	7	Square; wood; white	37	C	1856		
F	21	6	Square; wood; white	20	C	1856		
F	28	5	Square; wood; white	26	C	1856		
F	28	3	Square; wood; white	26	C	1856		These small lights are for the purpose of marking out the channel, through the Thousand Islands, between Brockville and Kingston.
F	61	10	Square; wood; white	26	C	1856		
F	6	6	Square; wood; white	C		1856		
F	6	10	Square; wood; white; iron lantern.	20	C	1871		



## NEW BRUNSWICK.

Number.	Name.	Location.	Latitude. ° N. ' "	Longitude. ° W. ' "	Number of lights, and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in p.m.
267	CAPE WHITEHEAD.....	Percé roadstead.....	48 30 30	64 13 5	1	F.		267	138	
268	CAPE DESPA.....	On cape.....	48 25 40	64 18 20	1	Rev.	Every 1 minute.	268	90	
269	Macquereau point.....	On point.....	48 12 30	61 46 12	1	Rev., red and white.	Every 2 minutes.	269	56	
270								270		
271	Paspebiac point.....	Near extremity of point.....	48 0 50	65 14 20	1	F.		271	55	
272								272		
273	Carleton point.....		48 5 15	66 7 0	1	F.		273	32	
274	Dalhousie.....	Public wharf and Mont- gomery island.	48 4 40	66 22 30	2	F.		274	(21) (27)	
275	Bonami point.....	S. side of entrance to Dal- housie harbor.	48 3 45	66 20 50	1	F.		275	19	
275a	Oak point.....	On point.....	48 2 40	66 36 30	2	F.		275a	(40) (51)	
275b	Campbelltown.....	Railway pier and Moffat's wharf.	48 0 50	66 39 40	2	F.		275b	21	
276	Heron island.....	On cape.....	48 0 0	66 8 0	1	F.		276	66	12

## NEW BRUNSWICK.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nau- tical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	267	138	13	Square; wood; white	30	C	1874	
Every 1/4 minute.	268	90	15	Square; wood; white and red.	18	C	1874	
Every 2 minutes.	269	56	12	Square; white	27	C	1874	
	270							
	271	55	13	Square; wood; white	54	C	1870	
	272							
	273	32	11	Square; wood; white	28	C	1872 and 1880	Visible from all points seaward.
	274	(24) (27)		Towers, square; wood; white.	22	C	1879	Leading lights for entering Dalhousie harbor.
	275	49	13	Square; white	33	C	1871	
	276	(40) (35)		Towers, square; wood; white.	22	C	1879	Leading lights for crossing the Traverse.
	277	24		Towers, square; wood; white.	22	C	1879	Leading lights for entering harbor.
	278	66	12	Square; wood; white	20	C	1875	

## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N. "	° W. "				
276a	Elm Tree point	Petit Rocher	47 48 39	65 43 13	1		F.	
277	Bathurst harbor	Alston's point	47 39 20	65 39 40	2	390 feet apart.	F. F. red.	
278								
279	Caraquet island	W. end of island, S. side of bay.	47 49 40	64 53 0	1		F.	
280								
281	Shippegan harbor	Alexander point, NE. side of entrance to gully.	47 43 30	64 39 25	1		F.	
282		Goose lake, on W. side of Miscou island	47 55 45	64 35 40	1		Rev.	Every 2 minutes; flash every minute.
283		Birch point	48 1 0	64 29 25	1		F. red.	
284	POKEMOLUCHE	Gloucester county	47 40 —	64 46 —	1		F. green.	
285		N. side of gully	47 30 0	61 52 0	2		F.	
286		South or front light, N. side of entrance, S. Tracadie gully.	47 31 10	61 52 0	2	N. and S., 500 feet apart.	F. F. red.	

CHALETIC BAY—Continued.

TRACADIE GULLY

Number.

Height of light above

276a

277

278

279

280

281

282

283

284

285

286

} W.

} R.

3

4

70

35

30

119

126

## NEW BRUNSWICK—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	276	36	12	Square tower; wood; white.	31		1879	Visible between the bearings SSW and N. by W., over an arc of 146° 15'.
	277	{ W. 27. R. 31 }	10	Hexagonal; white		C.	1871	These buocons kept in range lead into the harbor. The outer exhibits a white, the inner a red light.
	278							
	279	52	14	Square; white; on dwelling.	48	C.	1870	
	280							
	281	32	11	Square; wood; white	20	C.	1872 alt'd 1880	Visible from all points seaward. A small fixed white light, elevated 22 feet above sea-level and visible 9 miles, is also shown; it bears SW. by W., distant 484 feet from the main light.
Every 2 minutes; flash every minute.	282	40	10	Square; wood; white; attached to keeper's dwelling.	28	C.	1875	
	283	79	12	Octagonal; wood; white.	74	C.	1856	During thick or foggy weather or snow storms a fog-whistle will be sounded, as follows: A blast of 5 seconds, with an interval of 25 seconds; then another blast of 5 seconds, with an interval of 25 seconds; should be heard in calm weather from 8 to 12 miles, and in stormy weather, or against the wind, from 3 to 6 miles.
	284	35	8	Square; wood; white; keeper's dwelling attached.	37	C.	1876	Visible from all points of approach.
	285	39	12	Square; wood; white	20	C.	{ 1872 1875 }	Coast and harbor range lights.
	286	{ 191 261 }	8	{ Open frame; white. Square; red	{ 291 261 }	C.	1877	Range lights for crossing the bar.

## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number	Height of light above sea-level.	Distance visible from sea.
			°	'	°	'						
287	TARUSINTA GULLY	On Crab Island	47	18 53	64	59 30	1	F. red.		287	30	
288										288		
289	NEGFAC GULLY	NE. side	47	17 47	65	3 20	2	F.		289	{ 30 27 }	
290										290		
291	Portage island	South end	47	9 50	65	2 40	1	F.		291	46	
292										292		
293	Portage beach									293		
294										294		
295	Horse-shoe bar	Light vessel, on inner Horse-shoe bar.	47	8 0	65	3 0	1	F. red.		295	35	
296										296		
297	Oak point	On point	47	7 40	65	15 10	2	NE. by E. and SW. by W. $\frac{1}{2}$ mile apart.	F.	297	{ 40 E. 60 W. }	1
298										298		

MIRAMICHI BAY.

## NEW BRUNSWICK—Continued.

Character of light.	Interval of revolution or flash.	Number	Height of light above sea-level.	Distance sighted in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
red.		287	30	7	Square; wood; white	20	C.	(1873) (1875)	A coast light, and guide into harbor. Beacon light, ranging with red, marks channel, and as guide to small vessels entering gully.
		288							
E.		289	(30) (27)	11	Square; wood; white	20	C.	(1873) (1875)	Coast and harbor range lights, and guide into Neguac gully.
		290							
F.		291	46	12	White	42	C.	1869	
		292							
		293							<i>Proposed.</i>
		294							
ed.		295	35	8	Two masts		C.	1873	
		296							
		297	(10 E.) (10 W.)	10	Beacons; wood; white	36	C.	1870	To guide vessels through Swash channel.
		298							

## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			°	'	°	'					
299	Sheldrake Island.	South side	47	6 50	65	18 —	2	½ mile apart.	F.	299	48
300	Grant's beach.		47	5 30	65	28 10	2	SW. and NE.	F.	300	(120) (140)
301	Bartiboque	Lower Newcastle, 1 mile W. of Malcolm point.	47	5 0	65	24 0	2	E. S. E. and W. N. W.	F.	301	(110) (120)
302										302	
303	Malcolm point	On beacons					2		F.	303	
304	Middle island.	North side	47	3 30	65	27 0			F.	304	45
305										305	(50) (46) (36)
306	Fox island.		47	8 5	65	2 20	3	1st and 2d lights SE. ¼ S. and NW. ¼ N., 1,051 ft. apart. 1st & 3d, 112 ½ ft. S. & NE., 954 ft. apart.	F.	306	
307		East point	47	6 50	65	0 10	2	½ mile apart.	F.	307	30
308										308	
309	Huckleberry	On beacons	47	4 50	64	54 50	2	N. by W. ¼ W. and S. by E. ¼ E.	F.	309	
310										310	

MIRAMICHI BAY—Continued.

## NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
299	48	9	Beacons; white		C.	1873	
300	(120) (110)	10	Beacons		C.	1869	
301	(110) (120)	10	White	36	C.	1870	
302							
303							
304	15	7	Beacon; white		C.	1874	
305	(50) (46) (36)	8	On masts; shed at base of each; white.	(10) (38) (28)	Lanterns	1881	The 1st and 2d lights in line lead into Horse-shoe channel. The 1st and 3d in line lead through Portage Island channel. The 2d and 3d in line lead to the upper buoy of Horse-shoe shoal.
306							
307	30	10	Beacons; white	20	C.	1872	For guiding vessels through Swashway channel.
308							
309		10	White		C.	1870	At night keep the lights in line, and during the day keep outer buoy on with black band in center of roof of barn, to clear the bar.
310							



## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.
311	MIRAMICHI BAY—Continued.	Preston's beach	47 1 50	64 55 0	2	F.		311	(66) (55)	1
312								312		
313		Escumeneac point	On point	47 1 32	64 47 31	1	F.		313	70
314		South beach	46 42 45	64 46 10	2 W SW, $\frac{1}{2}$ W., E NE, $\frac{1}{2}$ E., 306 ft. apart.	F, red.		314	(10) (44)	1
315		On head	46 39 40	64 42 30	1	F.		315	70	1
316		Dixon's point, S. side of harbor.	46 27 40	64 38 50	2 NW, by W. and SE, by E., 1,050 ft. apart.	F.		316	(26) (41)	11 12
317		Northumberland strait	46 19 15	64 30 20	1	Rev.	Every 2 minutes, showing a flash every $\frac{1}{2}$ minute.	317	40	1
318	SLEDJAC	Shediac island beacons			2	F.		318	(18) (56)	1
319		Chêne wharf		46 14 20	64 31 0	2	F.		319	(45) (25)
320								320		
321		Extremity of cliff	46 40 0	63 48 30	1	Fl.	Every 10 seconds.	321	72	1
322								322		

## NEW BRUNSWICK—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	311	{ 66 } { 55 }	10	White-----	{ 30 } { 28 }	C.-----	1870	Beacons.
	312							
	313	70	14	Wood; white-----	58	D, 3d ord.	1841	A steam fog-whistle, situated 300 feet west of the light-house, sounds, in thick weather, fogs, and snow storms, 10 seconds each minute, with an interval of 50 seconds. In calm weather, or with the wind, it is heard from 9 to 11 miles; in stormy weather, or against the wind, from 3 to 6 miles.
	341	{ 40 } { 41 }	12	Square tower; wood; white.	33	C.-----	1879	Lights in line lead through channel over the bar. Front building has keeper's dwelling attached.
			12	Open-frame square tower; white.	43			
	345	70	14	Square; wood; white----	50	D, 4th ord.	1864	
	346	{ 36 } { 41 }	{ 11 } { 12 }	Square; wood; white----	{ 30 } { 34 }	C.-----	1881	To guide vessels into Buctouche harbor.
Every 2 minutes, showing a flash every $\frac{1}{4}$ minute.	347	40	11	Square; wood; white----	27	C.-----	1872	To guide vessels into Shediac harbor.
	348	{ 48 } { 56 }	10	White-----		C.-----	1869	
	349	{ 45 } { 25 }	6	Lantern on a pole-----		C.-----	1875	
	320							
Every 10 seconds.	321	72	11	Octagonal; white-----	40	C.-----	1870	White dwelling 50 feet westward of light-house. Visible between the bearings SE. and W., over an arc of 225°.
	322							

## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution of flash.	Number	Height of light above sea-level.	Distance visible, in naut.		
			° N. "	' W. "	° W. "	'								
323	Pont Collac	On wharf at Hillsborough	45	55	15	64	37	45	1	F.		323	14	4 to
321	Grindstone	W. part of island	45	43	13	64	37	25	1	F.		324	60	1
325												325		
326	Cape Entragé	Pitch of cape	45	35	34	64	46	55	1	F.		326	120	1
327												327		
328	Quaco	Small rock, off head	45	19	20	65	31	55				328		
329												329		
330	Cape Spencer	On cape	45	12	30	65	54	0	1	Rev., red and white.	Every 3 minutes red 15 seconds, eclipse 15 sec's; white 15 sec's, eclipse 45 sec's.	330	207	20
331												331		
332		Partridge island	45	14	20	66	3	20	1	F.		332	119	20
333	St. John harbor	Negro point, end of break-water.	45	14	25	66	1	0	1	F. red.		333	36	8
334		Beacon tower, S. extreme of spit.	45	13	10	66	3	40	1	F.		334	35	10

## NEW BRUNSWICK—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible in nau- tical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	323	14	4 to 5		22	C.	1875	Beacon-light, to guide vessels into Hillsborough.
	324	60	12	Octagonal; wood; white.		C.	1850	Visible between the bearings NE. by E. and E. by S., illu- minating an arc of 315°. Cape Enragé light-house SW. by W. $\frac{1}{2}$ W., about 10 miles. In fogs, &c., a trumpet sounds four blasts every minute.
	325							
	326	120	15	Square; white	23	D, 4th ord.	1840	Visible between the bearings SW. and NE., illuminating an arc of 270°. During thick weather, fogs, and snow storms a steam fog-whistle is sounded for 8 seconds in each minute, with intervals of 52 seconds between the blasts. The whistle should be heard in calm weather, or with the wind, at a distance of 10 miles; in stormy weather, or against the wind, from 3 to 5 miles, according to the state of the atmos- phere.
	327							
	328							<i>Destroyed by fire, June, 1881.</i>
	329							
Every 3 minutes, red 15 seconds, eclipse 15 sec's; white 15 sec's, eclipse 15 sec's.	330	207	20	Square; white	35	C.	1873	Visible between the bearings ESE. and WSW.
	331							
	332	119	20	Octagonal; vertical red and white stripes.	40	C.	1791	During foggy weather a steam-whistle is sounded every min- ute for 10 seconds. A bell-buoy is established near the E. side of Partridge reef.
	333	36	8	Open frame building; white, with red lantern.	35	C.	1878	
	334	35	10	Octagonal; vertical red and white stripes.	15	D, 4th ord.	1838 re'Pd 1868	Leading light for the spit.

## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution of flash.	Number.	Height of light above sea level.	Distance visible in miles.
			N.	W.	°	'						
335	Musquash harbor	Entrance, east side	45	8 35	66	14 30	1			35	112	
336	Leprenn	On point	45	3 31	66	27 39	2	Vertical; 9 yds. apart.		36	181 (53)	
337	Beaver harbor	On Drew's point	45	3 45	66	44 —	1			37	15	
338	Bliss Island	W. point of island	45	1 15	66	51 0	1			38	45	
339	L'Etang harbor	East side of entrance, on Pea Island.	45	2 20	66	48 40	1			39	51	
340	Campobello Island	Head harbor, N. point	44	57 40	66	54 10	1			40	64	
341	Middle bluff	On bluff	45	6 53	66	54 30	1			41	130	
341a	Spruce point						1			41a	32	
341b	Mark's point						1			41b	32	

## NEW BRUNSWICK—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	112	10		Square; wood; white; keeper's dwelling attached.	40	C	1870	Shows GREEN seaward, WHITE over the harbor. An automatic whistling buoy lies in 31 fathoms water S. $\frac{1}{2}$ W, 2 miles off Split rock.
	136 (S1) (31)	15		Octagonal; horizontal red and white stripes.	31	C	1831	Visible from southward between the bearings W. N. W. and E. by N. During fogs and snow storms a steam-whistle is sounded in blasts of 5 seconds' duration, with intervals of 5 seconds and 45 seconds alternately. May be heard from 3 to 20 miles, according to the weather.
	147	15	10	Square; wood; white; keeper's dwelling attached.	36	C	1870	Visible between the bearings N. E. $\frac{1}{2}$ N. and N. W. $\frac{1}{2}$ N., through an arc of 76°.
	148	15	12	Square; wood; white	30	C	1871	
	150	51	10	Square; wood; white	31	C	1878	Visible between the bearings W. and S. over N. and E., or over an arc of 270°. Fog-trumpet on Mascabdu point Letite passage. During thick weather, fogs, and snow storms the trumpet will sound blasts of 7 seconds' duration, with intervals of 30 seconds between them. It will probably be heard 2 or 3 miles against, and 6 to 7 with, the wind.
	160	61	15	Octagonal; white, with red cross.	31	C	1829	Fog-trumpet which, during thick weather, fogs, or snow storms, will sound blasts of 8 seconds' duration, with intervals of 35 seconds between them.
	171	130	1	Square; wood; white; lantern hexagonal, brown.	29	C	1876	A bar extends E. N. E. from light-house. Vessels must keep off 200 yards to clear it at low water.
	176	32		Open frame-work; brown; lantern white.	28	C	1876	Beacon lights. The course from Spruce point to Ballast ground is E. S. E. $\frac{1}{2}$ E, 2 miles; Spruce point to Mark's point W. N. W., 2 miles. A vessel, after leaving Doncet island, to clear the reef should steer N. until Spruce Point beacon bears NW. by N., thence W. N. W.
	174	32		Open frame-work; brown; lantern white.	28	C	1876	



## NEW BRUNSWICK—Continued.

Character of light.	Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		312	12	10	Octagonal; white	22	C.	1833	Visible between the bearings SW. by N. and SE. by S.
		312.							
F.		313	40	10	Square; wood; white; keeper's dwelling attached; erected on frame-piers 10 feet above high water.	10	C.	1875	As a guide to all ports in the bay and river St. Croix from Little Passage to Quoddy Head.
Rev.	Every 11 minutes	311	111	17 to 20	Square; wood; white; on keeper's dwelling.	35	C.	1871	
		315							
F.		316	118	17	Octagonal; wood; white.	50	C.	1860	Visible between the bearings SW. and NW., illuminating an arc of 90°. On extreme of NW. head a whistle, elevated 80 feet above high water, will, in thick or foggy weather or snow storms, be sounded three times every minute; each blast will be of 1 second's duration, with an interval of 16 seconds between.
F.		317	10	11	Square; wood; white; keeper's dwelling attached.	32	C.	1879	Visible from all points seaward.
Rev., red and white.	Every 2 minutes 3 red flashes and 3 white flashes, with intervals of eclipse of 20 seconds after each flash.	317a	201	21	Square; wood; white; dwelling attached.	13	C.	1880	
F. & Fl.	Every minute fixed 45 seconds; eclipse 5½ sec's; flash 4½ seconds; eclipse 5½ sec's.	318	66	12	Octagonal; vertical black and white stripes.	41	D., 1th ord.	1831	During fogs a gun is fired to answer signals. Dangerous rocks extend 4 miles eastward of the light-house.
F.		319	145.66 (W. 51)	11	Octagonal; wood; white.	E. 53 W. 30	D., 3d ord. D., 2d ord.	1870 1832	During thick weather or snow storms a fog-whistle will be sounded twice every minute, each blast of 5 seconds' duration, with an interval of 25 seconds between the blasts. The whistle will probably be heard from a distance of about 3 miles in stormy and about 10 miles in calm weather. Lights in line lead 4½ miles south of Murr ledges.
		320							



## NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	
			N.	W.	°	'						°
351	Wilnot's bluff		45	56	0	66	30	0	1	F.	351	104
351b	Oronecto shoal		45	53	0	66	27	0	1	F.	351b	51
351b	No Man's Friend		45	47	0	66	7	30	1	F.	351b	55
351c	Oak Point		45	32	0	66	6	0	1	F.	351c	50
351d	Sand point		45	22	0	66	11	0	1	F.	351d	50
351e	Green head		45	18	0	66	7	20	1	F.	351e	105
351f	Cox's point		45	2	0	66	1	0	1	F.	351f	20
352	Robertson's point	On point	45	53	0	66	13	0	1	F.	352	16
353	McManns		46	1	—	66	2	—	1	F.	353	28
354	Fauoy's poi. t.	On point	45	55	10	66	4	0	1	F.	354	10
355												

SE. FORK'S RIVER.

GRAND LAKE.

## NEW BRUNSWICK—Continued.

Character of light. Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in man- ual miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F. -----	351	104	10	White -----		C. -----	1869	
F. -----	351a	54	10	White -----		C. -----	1869	
F. -----	351b	55	10	White -----		C. -----	1869	
F. -----	351c	50	10	White -----		C. -----	1869	
F. -----	351d	50	10	White -----		C. -----	1869	
F. -----	351e	105	10	White -----		C. -----	1869	
F. -----	351f	20	10	White -----		C. -----	1869	
F. -----	352	16	10	Square; wood; white	16	C. -----	1873	
F. -----	353	28	10	Wood; white	26	C. -----	1873	For purposes of general navigation in Grand lake.
F. -----	354	16	10	Square; wood; white	16	C. -----	1873	
	355							

## PRINCE EDWARD ISLAND.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights, and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.
			°	'							
356	NORTH POINT.....	On point.....	47	3 46	63 59 19	1	Rev.	Every minute	356	80	
357	TIGNISH RIVER.....	Inner end of north break-water pier.	46 57 35		63 59 20	1	F.		357	35	
358	CASCUMPEQUE, N. side .....	Sandy island.....	46 48 22		64 2 15	1	F.		358	82	
358a	LITTLE CHANNEL.....		46 40 0		63 53 0	2	F.		358a	22	
359	WEST POINT.....		46 37 30		64 23 10	1	Rev., red and white.	Every 15 seconds.	359	66	
360	RICHMOND HARBOR.....	Bill Hook or Fishery island, N. side of entrance.	46 34 14		63 42 29	1	F.		360	40	
360a	St. PETER'S.....	In harbor.....	46 32 0		62 34 0	2	F.		360a	29	
361	NEW LONDON.....	Grenville bay.....	46 31 20		63 28 25	2	F.		361		
361a	RUSTICO.....	Big harbor.....	46 27 40		63 16 50	2	F.		361a		
362	EAST POINT.....	200 yards inshore from S. part of point.	46 27 3		64 58 15	1	Rev.	Green test brilliancy every 3 minutes.	362	130	15
362a	KNIGHT'S POINT.....	On point, about 100 yards SE. of South E. breakwater.	46 20 50		62 11 30	1	F.		362a	85	15

## PRINCE EDWARD ISLAND.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute	356	80	12	White.....	60	C.....	1866	
-----	357	35	11	Square; white; black hori- zontal band around middle.	33	C.....	1881	
-----	358	82	12	Octagonal; wood; white..	25	C.....	1856	
-----	358a	22	9	White.....		C.....	1872	Range beacons.
Every 15 seconds.	359	66	13	Square; wood; red and white horizontal bands; keeper's dwelling at- tached.	67	C.....	1876	Visible from all points of approach from seaward. Shows one red and three white flashes in 1½ minutes.
-----	360	10	10	Square; white.....	36	C.....	1856	
-----	360a	29	6	Red beacon.....	26	D, 1st ord.	1868	
-----	361							
-----	361a							
-----	362	130	17	Octagonal; wood; white.	60	C.....	1867	
Greatest bril- liancy every 3 minutes.	362a	85	15	Square; white.....	15	D, 4th ord.	1880	

## PRINCE EDWARD ISLAND—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea level.
			°	'	°	'					
363	CHAPAUD		46	13 0	64	8 0	1	F.		363	34
364	CARDIGAN BAY	Panmure head, Georgetown harbor, S. entrance.	46	8 17	62	27 10	1	F.		364	89
365										365	
366	GEORGETOWN	St. Andrew point.	46	9 57	62	31 23	1	F.		366	36
367	MURRAY HARBOR	One on a post, the other on the gable of a barn; a mile apart.	46	0 0	62	26 0	2	F.		367	(30) (45)
367a	WOOD ISLAND	On island	45	57 —	62	41 30	1	F.		367a	80
367b	LITTLE SANDS		45	57 53	62	39 0	1	F. red.		367b	50
368	HILLSBOROUGH BAY	Princ. point, 100 yards from the point, SE. part of bay.	46	3 10	63	2 6	1	F.		368	68
369		Western point of St. Peter's Island.	46	7 10	63	11 40	1	F.		369	46
370	CHARLOTTE TOWN HARBOR.	Blackhouse point, W. side of entrance.	46	11 36	63	7 28	2	F. F. red.		370	56
371	TRACADIE	Trendle harbor	46	13 0	63	10 0	2	F.		371	40

## PRINCE EDWARD ISLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to local plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		363	34	3	Post	32	C		
		364	80	11	Octagonal; wood; white.	40	C	1853	The light should be kept open of Terras point to clear reef off Bear cape.
		365							
		366	36	8	Red and white vertical stripes.	20	Lantern	1868	
		367	120.1 (45)	5					
		369	80	15	Square; wood	40	D, 3d ord.	1876	
		367b	50	5	Window in the gable of a house	20	C	1877	
		368	68	12	Circular; brick; white	55	C	1845	
		369	46	12	Square; wood; white	38	C	1881	
		370	56	12	Square; wood; white; keeper's dwelling and signal-staff attached.	42	C	1876	Visible from all points of approach from seaward. The red light in same building, when in line with main light, leads to the bell-buoy.
		371	40	12	Posts				



## PRINCE EDWARD ISLAND—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
372	88	15		60		1864	
373	48	13	Octagonal; on dwelling; white.	12	C.	1881	Ben between the bearings N. $45^{\circ}$ E. and S. $45^{\circ}$ E., and white from all other points seaward.
374	15	7	On a pole.		Lantern.	1856	
375							

## NOVA SCOTIA.

376	48	8	Square; wood; white.	4	C.	1871	Shows red seaward and white toward the harbor.
377							
378	30	11	Square; wood; white.	25	C.	1873	
379							
380	44	12	Square; wood; white.	32	C.	1866	Visible around horizon.
381							
382	35	10	Square; white.	26	C.	1868	
383							



## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.
			° N. "	° W. "							
384	PICOE HARBOR	S. point of entrance	45	41 25	62 39 26	2	Vertical; 25 feet apart.	F. red.	384	65 (10)	1
385			New custom-house	45	40 50	62 42 10	1		F.	385	60
386	PICOE ISLAND	SE. point	45	49 10	62 30 29	1		F.	386	52	1
387									387		
388	CAPE ST. GEORGE	N. side of cape	45	52 35	61 51 10	1		Rev. Every ¼ minute.	388	350	2
389									389		
390	PONDLET, ST. GEORGE BAY	NE. end of island	45	33 40	61 41 30	1		F. red.	390	50	
391	HAVRE BOUCHE	SW. part of harbor	45	41 0	61 31 15	2	N. 375° E. and S. 375° W., 1,420 feet apart.	F. red.	391	130 (107)	6
392		N. entrance, W. side, 120 yards in-shore.	45	41 42	61 28 38	1		F.	392	110	15
393									393		
394	GULF OF CANSO	Ship harbor, Stapleton point	45	36 40	61 22 0	1		F. red.	394	44	7
395									395		
396		S. entrance, Eddy or Sand point.	45	31 20	61 41 42	2	Horizontal; 8 yards apart.	F.	396	25 each.	8
397									397		

## NOVA SCOTIA—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
-----	384	105 ft (10)	11	Octagonal; wood; red and white vertical stripes.	55	C	1831	A small red light is seen below lantern; kept WSW, clear the E. reefs off Pictou Island.
-----	385	60	8	Tower of new custom-house.	-----	C	1878	In range with harbor light leads up through the channel to the bar.
-----	386	52	12	Square; white	-----	C	1833	Pictou Island light is said not to be seen when bearing southward of SW.
-----	387							
Every 1/4 minute.	388	350	25	Square; white	30	D, 2d ord.	1861	Cape St. George light is said not to be seen when bearing eastward of SE.
-----	389							
-----	390	50	9	Square; white	23	C	1868	Visible between the bearings of E. and N., illuminating an arc of 270°.
-----	391	130 ft (107)	9	Tower, wood; square; white.	32	C	1879	In line lead through new channel into harbor.
-----	392	110	18	Square; wood; white	35	C	1842	There is good anchorage under the light with the wind on-shore.
-----	393							
-----	394	11	7	Square; white	24	C	1870	Visible from N. entrance of Gut of Canso, and from S. about 3 miles.
-----	395							
-----	396	25 each.	8	Square; wood; white, with a black diamond.	-----	C	1851	Lights in windows at each end of building.
-----	397							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution of light.	Number	Height of light above sea-level.	Distance visible, in nautical miles.
			N. ° ' "	W. ° ' "	N. ° ' "	W. ° ' "						
398	Port Hood	S. entrance of harbor	46 0 0	61 31 40	1		F., with red sector.			398	51	10
399										399		
400	Sea Wolf or Margaree Island.	Summit or middle of island.	46 21 30	61 13 33	1		F.			400	238	21
401										401		
402	Chetlean island	SW. end of island	46 36 32	61 3 40	1		Rev.	Every 15 seconds.		402	149	20
403	Money point	One mile SE. from cape North.	47 2 10	60 23 30	1		Rev., red and white.	Every 15 seconds.		403	71	15
404										404		
405										405		
406	Bird island	Choux island, $\frac{1}{2}$ of a mile from N. end.	46 23 10	60 22 30	1		Rev. red.	Every minute.		406	77	14
407										407		
408	St. Anne	N. side of Bench point	46 17 30	60 32 15	1		F.			408	24	8
409										409		

CAPE BRETON ISLAND.

## NOVA SCOTIA—Continued.

Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house of vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
398	54	10	Square; white		C.	1854	Shows red on N. side, white on S. side.
399							
400	298	24	Square; white		C.	1854	To vessels in dangerous proximity to the island the light may become obscured by the abrupt cliffs on the S. side of the island.
401							
Every 45 seconds	402	119	20	Square; wood; white, with black ball on seaward side.	24 C.	1872	
Every 45 seconds	403	71	15	Square; wood; white; surmounted by a tower.	26 C.	1875	
	404	237	15	Square; wood; white	40 D, 5th ord.	1871	
	405						
Every minute	406	77	14	Octagonal; white	33 C.	1863	
	407						
	408	24	8	White	30 C.	1871	Two lamps; one facing SW., the other NE. To show entrance to Narrows.
	409						

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.
			°	'	°	'						
410	Black Rock point	S. side of entrance to Great Bras d'Or.	46	18	30	60	23	30	1	F.		
411												
412		McKenzie's point, about 2 miles SW. of Port Bevis.	46	7	18	60	39	—	1	F.		
413		Kidston Island, Baddeck harbor.	46	5	58	60	44	20	1	F. red.		
414	Little Bras d'Or lake.	Enlace point, Barra straits.	45	58	—	60	48	—	1	F.		
415		Cape George, St. Peter's Idlet.	45	44	28	60	48	20	1	F.		
415a		Eastern entrance to Little narrows.	46	0	0	60	58	25	1	F.		
416	Voani point	High cape, N. side of entrance to Little Bras d'Or.	46	20	30	60	47	50	1	F. red.		
417												
418		W. end of South bar	46	42	40	60	42	40	1	F. red.		
419	Sydney											
420		Flat point, E. side of Spanish bay.	46	46	12	60	7	22	1	F.		
421												

CAPE BRETON ISLANDS—Continued

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in navi- gational miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	110	15	10	Square; white.	23	C.	1868	
	111							
	112	35	11	Square; wood; white		C.	1874	
	113	31	7	Square; wood; white		C.	1875	For the purpose of guiding vessels to Baddeck harbor.
	114	29	10	Square; wood; white	20	C.	1871	
	115	50	12	Square; wood; white	20	C.	1875	
	116	40	10	Tower; square; wood; white.	35	C.	1881	
	116	21	11	Square; wood; white	20	C.	1871	
	117							
	118	50	10	Square; wood; white	20	C.	1872	Shows entrance to port and marks dangers on the bar.
	119							
	120	70	14	Octagonal; red and white vertical stripes.	51	C.	1892	
	121							
	124							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in naut.
			° N. "	' "	° W. "	' "						
122	Liagan head.....	Bridgeport harbor.....	46	14 12	60	2 20	1	F. red.		122	50	16
123										123		
121	Flint island.....	On island.....	46	11 5	59	45 50	1	Rev.	Every 15 seconds.	121	65	12
125										125		
126		NE. point, on Trap rock....	46	2 13	59	40 18	1	Rev.	Every 90 seconds; eclipse 30 sec's.	126	90	17
127	Scatarri island.....									127		
128		W. end.....	46	0 30	59	17 30	1	F. red.		128	90	16
129										129		
130	Louisburg harbor.....	N. side of entrance, 120 yds. from point.	45	51 31	59	57 15	1	F.		130	85	16
131	Gayou island.....	On island, about 230 yards from the west end.	45	46 10	60	6 20	1	Rev. red.	Every 30 seconds.	131	71	12
131a	St. Esprit island.....	Near east end.....	45	37 30	60	29 20	1	Rev.	Every 30 seconds.	131a	78	11
132	Green island.....	Summit of island.....	45	28 51	60	51 40	1	Alt.	Every 45 seconds.	132	70	11
133										133		

CAPE BRETON ISLANDS—Continued.

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	122	50	10	Square; wood; white; attached to keeper's dwelling.	20	C.	1871	
	123							
Every 15 seconds.	121	65	12	Octagonal; white	43	C.	1856	
	125							
Every 90 seconds, eclipse 30 sec.	126	90	15	Octagonal; white	70	C.	1830	The light should never be brought to bear to eastward of N. NE, or to southward of S. SW, nor approached nearer than 14 miles. A gun is here for signals, also a boat to render assistance.
	127							
	128	90	0	Square; wood; white	40	C.	1871	
	129							
	130	85	16	White, with a black vertical stripe; on keeper's dwelling.	35	C.	1842	
Every 30 seconds	131	71	12	Square; wood; white; keeper's dwelling attached.	50	C.	1877	
Every 30 seconds	139	78	11	Square tower; wood; white, with two red bands. Keeper's dwelling attached.	55	C.	1880	
Every 15 seconds	132	70	14	Square; wood; white	31	C.	1865	
	134							



## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution of flash.	Number	Height of light above sea-level.	Distance visible, in nautical miles.
			°	'	°	'						
434	Cape La Ronde	E. point of Madame island.	45	34	45	60	53	1	F.	331	92	10
435										335		
436	Quetigne island	S. point	45	36	42	60	57	15	F. red.	336	78	10
437	Petitdegrat inlet	Big Arrow island	45	29	25	60	57	46	F. red.	337	38	10
438	Arichat harbor	Marache point S. of entrance.	45	29	0	61	1	50	F.	338	34	10
439										339		
440	West Arichat harbor	N. end of Jerseyman's island.	45	30	20	61	3	4	F. red.	340	30	11
441										341		
442	Creighton's head	N. extremity	45	30	40	61	6	—	Rev. Every 10 seconds.	342	29	10
443										343		
444	Guysborough harbor	W. side of entrance, near Pearl point.	45	22	47	61	29	11	F.	344	30	10
445										345		

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number	Height of light above sea-level.	Distance visible, in navi- gical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
-----	E3	92	14	Square; wood; white; attached to keeper's dwelling.	28	C	1871	
-----	E5							
-----	E6	78	9	Square; wood; white; attached to keeper's dwelling.	28	C	1874	
-----	E7	68	10	Square; wood; white; keeper's dwelling at- tached.	31	C	1877	To guide vessels into the harbor of Petitepoint inlet.
-----	E8	34	8	Square; wood; white	25	C	1851	
-----	E9							
-----	E10	34	11	Square; wood; white	28	C	1872	
-----	E11							
-----	E12	29	10	Square; wood; white	20	C	1871	
-----	E13							
-----	E14	30	8	Square; wood; white	20	C	1846	
-----	E15							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude. ° N. " 0	Longitude. ° W. " 0	Number of lights and relative positions.	Character of light	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in naut.
446	CANSO HARBOR	NE. part of Hart's Island	43 21 0	60 58 31	1	F. red.		446	42	
447								447		
448	CAPE CANSO	N. point of Cranberry Island.	43 19 49	60 55 29	2	In one tower, vertical; 12 yards apart.	F.	448	75 10	1
449								449		
450	SABLE ISLAND	On W. end of island	43 57 —	60 8 —	1		Rev.	Every 3 minutes; with 3 distinct flashes at intervals of half a minute; and an eclipse of 11 minutes during the revolution.	123	
451										
452		On E. end, 1½ miles from extreme point.	43 58 30	59 46 0	1		F.	452	128	
453	THREE TOP ISLAND	Southeast point	45 12 10	61 9 0	1		F.	453	48	
454	WHITEHEAD ISLAND	SW. extremity	45 11 58	61 8 2	1		Rev.	Every 20 seconds; flash 10 seconds; eclipse 10 sec's.	55	
455	HOLLY POINT	W. side of entrance to Isaac's harbor.	45 10 15	61 39 0	2	Upper light 20 ft. above lower one.	F.	80		

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number	Height of light above sea-level.	Distance (side in nautical miles).	Character of light, lighthouse or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	116	42	12	Square; wood; white	28	C	1872	
	117							
	118	75 40	15 9	Octagonal; wood; red and white horizontal stripes.	40	C	1815	During thick weather, fogs, and snow storms a steam fog-whistle, situated about 100 yards south of the light-house, will be sounded 8 seconds in each minute, thus making an interval of 52 seconds between the blasts. The whistle has been heard at the following distances: in calm weather, over 15 miles; with the wind, about 20 miles; stormy weather and against the wind, 5 to 8 miles. An automatic whistling buoy is placed in 20 fathoms of water, E SE, 14 miles from Grime rock.
	119							
Every 3 minutes; with 3 distinct flashes at intervals of half a minute, and an eclipse of 11 minutes, during the revolution.	150	123	18	Octagonal; wood; white.	98	C	1873	
	151							
	152	128	18	Octagonal; wood; painted alternately white and dark brown.	86	D., 2d ord.	1873	
	153	18	11	Square; wood; white; keeper's dwelling attached.	32	C	1879	Obscured by the high land of Whitehead island and when bearing to the eastward of NE by E, which bearing leads clear of the dangers on the north side of the western passage into Whitehaven.
Every 20 seconds flash 10 seconds eclipse 10 sec's.	154	55	11	Pyramidal; white; octagonal lantern.	35	C	1854	Light not totally obscured during the eclipses.
	155	80	9	Square; wood; white	20	C	1874	

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	
			° N. ' "	° W. ' "	°	' "				
456	GREEN ISLAND	On S. point of island	45	6 18	61	32 31	1	F.		
457	BERRY HEAD	Eastern point	45	11 37	61	18 35	1	F. red and white sectors.		
458	LISCOMB ISLAND	On Cranberry point	44	59 20	61	57 51	1	Rev., red and white.	Every 2 minutes; alternate red and white flashes.	
459	WEDGE ISLAND	On center of island	45	0 35	61	52 35	1	Rev. red.	Every 3 minutes; duration of flash 1 minute.	
460	BEAVER ISLANDS	SE. part of E. BEAVER or William Island.	44	19 34	62	20 13	1	Rev.	Every 2 minutes.	
460a	SHEET HARBOR	On Sheet rock	44	49 55	62	29 10	1	Rev. red.	Every 40 seconds.	
461	POPE'S HARBOR	West point of Harbor island.	44	17 40	62	38 49	1	F. red.		
462	Egg ISLAND	Center of island	44	39 51	62	51 32	1	Rev., red and white.	Every minute; alternate red and white flashes.	
463										
464	HALIFAX	Devil Island, SW. part, E. entrance to harbor.	44	34 48	63	27 15	2	E. & N. and W. & S., 524 feet apart.	F.	1 52 1 50 each
465		George's Island	44	38 30	63	33 20	2	Upper light 20 ft. above lower one.	F.	1 50 1 39

Number.  
Height of light above sea-level.  
Distance visible in miles.

456 51 1

457 41 10

458 64 13

459 71 15

460 70 15

460a 75 16

461 45 9

462 80 15

463

464 1 52 13

1 50 each

465 1 50 15

1 39

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nau- tical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	156	51	15	Square; wood; white	28	C. ....	1873	Guide to Country and Fisherman's harbors, and a coast light.
	157	1	10	Square; wood; black, with vertical red stripes; lantern top black.	36	C. ....	1876	Shows red to seaward and white to northward.
Every 2 minutes; alternate red and white flashes.	158	64	15	Square; wood; white; roof of dwelling red.	28	C. ....	1872	
Every 3 minutes; duration of flash 1 minute.	159	71	12	Tower, square; wood; white; keeper's dwell- ing attached.	44	C. ....	1879	Illuminates entire horizon.
Every 2 minutes.	160	70	12	White, with two black balls seaward, S. S. W., on house.	35	C. ....	1846	
Every 10 seconds.	161	75	10	Square; wood; white; keep- er's dwelling attached.	41	C. ....	1879	Western extremity of rock awash and about 350 yards from light-house.
	161	45	9	Square; wood; white; keep- er's dwelling attached.	37	C. ....	1877	
Every minute; al- ternate red and white flashes.	162	80	14	Octagonal; wood; black and white vertical stripes on seaward side.	45	C. ....	1865	Illuminates entire horizon.
	163							
	164	( 52 ( 59 each.)	( 13 ) ( 31 )	Octagonal; wood; white.	( 51 ) ( 53 )	C. ....	1852 and 1877	The eastern light open of the western leads clear to the south- ward of Thrum Cap shoal, and George's island light open to the westward of Manger beach light leads clear to the westward of Thrum Cap shoal.
	165	( 50 ) ( 50 )	12	Square; wood; arab; lan- tern black.	21	C. ....	1876	Lights show seaward on the south and into the harbor on the north side. Obscured to the eastward by the high land of the island. Care should be taken not to confound these lights, which are vertical and near the water, with two lights of inferior power suspended from a yard on a flag-staff of Citadel hill, about 240 feet above the level of the sea. On the west side of the island only the upper light can be seen, for the purpose of guiding vessels into and out of Halifax by channel west of George's island.

## NOVA SCOTIA—Continued.

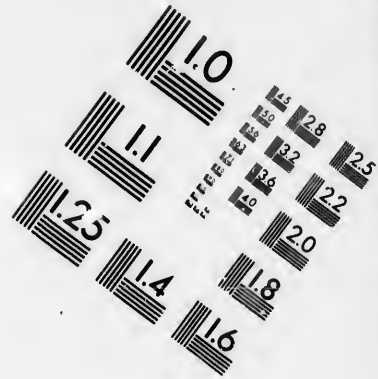
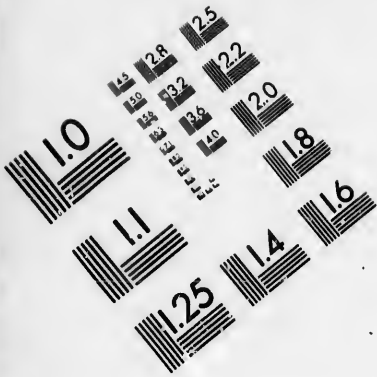
Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.		
			° N.	' "								° W.	' "
466	HALIFAX—Continued	Sherbrooke tower, Manger beach, E. side of entrance.	44	36 6	63	31 55	1	-----	F.	-----	166	58	12
467											167		
468		Chebueto head, W. side of entrance.	44	30 21	63	36 49	1	-----	Rev.	Every 2 minutes, a flash every minute.	168	132	18
469											469		
470	SAMBRO	Center of island	41	26 11	63	33 30	1	-----	F.	-----	170	115	20
471	BETTY ISLAND	On Briz point, near Prospect.	44	26 22	63	45 54	1	-----	Rev. red.	Every 2 minutes.	171	75	14
472	PROG'S POINT	E. side of entrance to St. Margaret's bay.	41	29 30	63	55 0	1	-----	F. red.	-----	172	65	14
473											173		
474	GREEN ISLAND	South point	44	23 0	64	2 15	1	-----	Rev., red and white.	Every minute, and a half, after one red and white flashes.	174	9	15
475											175		
476	CHESTER OF MAIONE BAY	East Ironbound island, SE. part, 200 feet from the cliff.	44	26 15	64	1 30	1	-----	F.	-----	476	150	16
477											177		
478		On Holson's Nose	44	24 56	61	13 46	1	-----	F. red.	-----	178	68	11

## NOVA SCOTIA (continued).

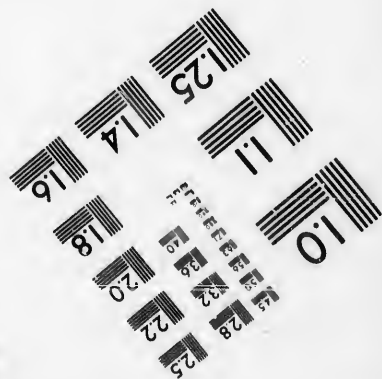
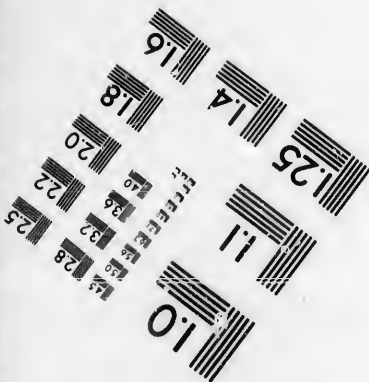
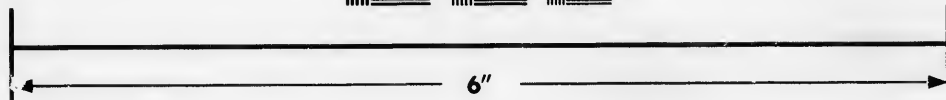
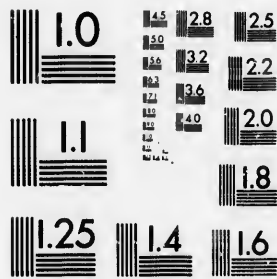
Interval of revolution or flash.	Number	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	166	58	12	Circular; white, roof red	48	C	1845	When Sambro light bears W SW, this light should not be brought to the westward of N, which clears the Thrum Cap shoal. During thick or foggy weather a fog-bell is sounded 7 times a minute.
	167							
Every 2 minutes; a flash every minute.	168	132	18	Square; wood; white	22	C	1872	An automatic signal buoy, surmounted by a 10-inch whistle, has been placed in 21 fathoms of water at the entrance to the harbor. Passing to the westward of the buoy at a distance of 100 yards and steering N. 1 W, will lead up the harbor to the eastward of Never fail shoal, and at a distance of 400 yards to the westward of Manger beach light-house.
	169							
	170	115	20	Octagonal; white	60	C	1758	During thick or foggy weather a steam fog-whistle is sounded, giving blasts of 10 seconds' duration every minute. Eight miles from Sambro is moored an automatic signal buoy, painted black. Sambro bears W. 1 N. from it.
Every 2 minutes	171	75	11	Square; wood; white; two red bands; attached to keeper's dwelling.		C	1875	
	172	65	14	Square; white	26	C	1868	
	173							
Every minute and a half; alternate red and white flashes.	174	90	15	Square; wood; white	28	C	1873	
	175							
	176	150	16	Square; wood; white	46	D	1866 and 1871	
	177							
	178	68	11	Square; wood; white	29	C	1872	







**IMAGE EVALUATION  
TEST TARGET (MT-3)**



**Photographic  
Sciences  
Corporation**

23 WEST MAIN STREET  
WEBSTER, N.Y. 14580  
(716) 872-4503

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## NOVA SCOTIA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		179							
Fl. or F.	Every minute; eclipse 15 sec's.	180	100 65	14 6	Octagonal base; red.	53	C.	1832	Pilots resort here; vessels might take refuge in case of necessity. During thick and foggy weather a horn will be sounded, giving blasts of 10 seconds' duration every 1½ minutes, leaving an interval of 80 seconds between blasts.
		181							
		182	50	11	Square; white; on keeper's dwelling.	21	C.	1864	
		183							
v.	Every 30 seconds.	184	72	13	Square; white.	29	C.	1855	Near the edge of a cliff 40 feet high.
		185	48	8	Square; wood; white; keeper's dwelling attached.	35	C.	1877	
		186	55	8	Square; white.	26	C.	1868	
		187							
		188	44	10	Square; white; with black square seaward.	23	C.	1851	Like a dwelling-house.
		189							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above selevel.
			° N. "	' "	° W. "	' "					
490	LIVERPOOL BAY.	Coffin island, S. point	44	1 58	64	37 34	1	Rev.	Every 2 minutes; eclipse 90 sec's.	490	65
491		Extremity of breakwater pier, Brooklyn.	44	2 40	64	41 30	1	F. white and green.		491	32
492		Fort point, S. entrance	44	2 30	64	42 20	1	F. red.		492	30
493										493	
494	PORT MOUTON.	NE. point of Spectacle island.	43	55 3	64	48 8	1	F. red.		494	47
495										495	
496	LITTLE HOPE ISLET.	Nearly on center of islet.	43	48 31	64	47 15	1	Rev. red.	Every minute.	496	40
497										497	
498	PORT HERBERT.	On Shingle beach, E. side of harbor.	43	48 40	64	55 24	1	F. red.		498	33
499										499	
500	RUGGED ISLAND HAR- BOR.	Gull rock	43	39 14	65	5 50	1	F.		500	56
501										501	
502		On Carter's island	43	42 15	65	5 50	1	F. red.		502	66

## NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
190	65	16	Octagonal base; horizontal stripes, red and white, eight in number.	50	C. ....	1812	
191	32	10	Tower; square; wood; white.	33	C. ....	1878	Shows white to seaward and green in the harbor.
192	30	5	Square; white	17	C. ....	1855	To be left on port side when entering harbor.
193							
194	47	11	Square; wood; white	20	C. ....	1873	
195							
196	40	12	Square; white; center of keeper's dwelling.	26	C. ....	1865	Illuminates entire horizon.
197							
198	33	10	Square; wood; white	29	C. ....	1872	
199							
200	56	10	Square; white	31	C. ....	1853	
201							
202	66	11	Square; wood; white	29	C. ....	1872	

Interval of revolution or flash.

Every 2 minutes; eclipse 90 sec's.

It is seen.

Every minute.

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° ' "	° ' "	° ' "	° ' "					
503											
504											
504	SHELBURNE HARBOR	Cape Roseway, near SE. ex- treme of Macnitz island.	43 37 17	65 15 45	2	Vertical; 21 yards apart.	F.	-----		504	120 15
505										505	
506		Sand spit, on pier.....	43 41 25	65 19 28	1	-----	F, red.	-----		506	47
507										507	
508	NEGRO HARBOR.....	On Negro island.....	43 30 54	65 20 58	1	-----	Rev., red and white.	Every minute.		508	18
509										509	
510	PORT LATOUR.....	Baccaro point, W. side of entrance.	43 26 54	65 28 12	1	-----	F, red.	-----		510	19
511	INGDON BAY.....	Light-vessel, in 6 fathoms, between Wauses ledge and Sand flats, off Beach point.	43 31 5	65 34 25	1	-----	F.	-----		511	
512	CAPE SABLE.....	On cape.....	43 23 19	65 37 11	1	-----	Rev.	Every 40 seconds; eclipse 25 sec's.		512	53
513	STODART ISLAND.....	Northwest point.....	43 28 27	65 43 8	1	-----	F, red.	-----		513	22
514	BON PORTAGE.....	S. point of island.....	43 27 16	65 44 39	1	-----	Rev, red.	Every 2 minutes, flash every minute.		514	16
515										515	



## NOVA SCOTIA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		503							
		504	120 (65)	18 (10)	Octagonal; vertical black and white stripes.	77	C.	1788 rep'd 1858	
		505							
red.		506	47	10	Tower; square; wood; white.	44	C.	1880	
		507							
ev. and white.	Every minute.	508	18	12	Square; wood; white.	20	C.	1872	
		509							
red.		510	19	10	Square; white; with black ball seaward.	35	C.	1850	
		511			Light-vessel, schooner rigged, hull and spars red; "BARBARICRON" in white letters on both sides.	30	C.	1875	Anchored on following bearings, viz: Wauques ledge SW. by W. $\frac{1}{2}$ W., distant $\frac{1}{2}$ of a mile; Barcote light-house S. S. E. $\frac{1}{2}$ E., distant $6\frac{1}{2}$ miles; Bantam rock S. by E. $\frac{1}{2}$ E., distant $6\frac{1}{2}$ miles. Serves as a guiding light into Barrington East bay and through Barrington passage.
ev.	Every 40 seconds; eclipse 25 sec's.	512	33	12	Coneal; white.	50	C.	1861	During thick weather, fog, and snow storms a fog-whistle is sounded with blasts of 10 seconds' duration in every minute, with an interval of 50 seconds.
red.		513	22	9	Square; wood; white.		C.	1877	To guide vessels to the anchorages of Stoddart and Shag harbors.
red.	Every 2 minutes; flash every minute.	514	16	12	Square; wood; white.	28	C.	1874	
		515							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above		
			°	'	°	'						N.	W.
516	PERNICO HARBOR	Beach point, E. side of entrance, 120 yards from low-water mark.	43	35	65	46	51	1	F.	516	2		
517										517			
518	ANGLE HARBOR	South point of Whitehead Island.	43	39	65	52	4	1	F. red.	518	11		
519										519			
520	TESSET RIVER	Big Fish island, SW. point.	43	42	65	57	15	2	Horizontal; 8 yards apart.	F.	520	5	
521										521			
522	Seal island	S. point, $\frac{1}{2}$ of a mile inland.	43	23	66	0	52	1	F.	522	9		
523	Pease island	South point	43	37	66	1	40	2	Vertical; 16 feet apart.	Rev. red & white. F. red.	Every minute: flash 15 seconds; eclipse 45 sec's; alternate red and white flashes.	523	5
524	Cape Fourchu	E. cape, S. point	43	47	66	9	21	1	Rev.	Every 105 sec's; eclipse 30 sec's.	524	11	
525										525			
526	Booker island	End of reef, off SW. point	43	48	66	8	45	1	F. red.	526	2		
527										527			

BAY OF FUNDY.  
YARBOUTH.

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	516	28	8	Square; white	20	C.	1854	Open westward of St. John's Island, bearing NE. by N., clears the ledge. Making harbor from any other direction, the light must be brought to the northward of E. NE. before it can be steered for, to avoid shoal spot off Cape St. Ann point.
	517							
	518	115	12	Square; wood; white	28	C.	1874	Leading light for Argyle harbor.
	519							
	520	50	12	Wood; white; from each end of white dwelling.	23	C.	1864	
	521							
	522	93	18	Octagonal; white	60	D, 2d ord.	1830	The Blonde rock lies S. by W., 31 miles from light-house. During fogs and snow storms a steam-whistle is sounded, with blasts of 5 seconds' duration, at intervals of 5 seconds and 45 seconds, alternately. May be heard from 5 to 25 miles, according to weather. <i>Fog-signal temporarily discontinued.</i>
Every minute: flash 15 seconds; eclipse 45 sec's; alternate red and white flashes.	523	56	$\begin{pmatrix} 12 \\ 4 \end{pmatrix}$	Tower; square; wood; white; keeper's dwell- ing attached.	42	C.	1879	Visible from all points of approach from the southward, and also through the Schooner and Ellenwood passages. Fixed and light marks the channel between Old Man and Old Woman rocks, between the bearings of W. NW. $\frac{1}{4}$ W. and S. W. by N.
Every 105 sec's; eclipse 30 sec's.	524	117	18	Octagonal; vertical red and white stripes.	59	C.	1839	During fogs and snow storms a fog-whistle on W. side is sounded 10 seconds in every minute, with an interval of 50 seconds. May be heard from 5 to 7 miles, according to wind and weather. Cannot be at all times raised on.
	525							
	526	27	10	Tower on a house, erected on a beacon.		C.	1874	Visible between the bearings N. $\frac{1}{4}$ E. and NE. by N., over an arc of 25°. Can also be seen over Stanwood's beach when bearing from S. $\frac{1}{4}$ E. to SE. $\frac{1}{4}$ E., but cannot be run for between these latter bearings—the only entrance to the harbor being through Yarmouth sound and round Cape East.
	527							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N. "	' "	° W. "	' "					
528	Cape St. Mary	E. side of bay	44	5 20	66	12 30	1	Rev., red and white.	Every 1/4 minute	528	103
529	Meteghan river	On breakwater	44	13 43	66	8 12	1	F. green.		529	21
530	Church point	East side of bay	44	19 53	66	7 35	1	F. red.		530	36
531										531	
532	Sissibou river	Entrance, near Weymouth	44	26 30	66	1 15	1	F.		532	36
533										533	
534	Peter Island	S. entrance to Grand passage.	44	15 30	66	20 20	2	Horizontal; 8 yards apart.	F.	534	40 each.
535										535	
536	Byer island	SW. point	44	11 57	66	23 33	1	F.		536	92
537										537	
538	Petit passage, N. entrance.	Boat's head, 50 feet from edge of cliff.	44	24 16	66	13 0	1	Rev., red and white.	Every minute	538	70
539										539	

BAY OF FUNDY—Continued.

## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every 4 minutes.	528	103	13	Octagonal; white.	41	C.	1868	
	529	21	6	Vertical red stripes to seaward; lantern black.		C.	1875	For the purpose of guiding vessels into the river, and should be left on starboard hand and close to.
	530	36	10	Square; wood; white.	20	C.	1871	For the purpose of marking Church point and guarding against dangers in the vicinity.
	531							
	532	36	8	Pyramidal; wood; white.	33	C.	1870	
	533							
	534	40 each.	10	Square; white.	15	C.	1860	Visible from the northward between the bearings S. by W. and SSW., and from the southward between the bearings NE. by E. and SSW. 4 W.
	535							
	536	92	13	Octagonal; white.	55	C.	1860	During thick and foggy weather a steam fog-whistle, on the S. side of the light-house, is sounded 3 times in each minute, as follows: First a blast of 4 seconds, then an interval of 4 seconds; then another blast and interval of same duration; and then a third blast of 4 seconds, with an interval of 40 seconds to complete the minute, before the whistle is again sounded. The whistle will probably be heard in calm weather, or with the wind, from a distance of 10 to 15 miles; in stormy weather, or against the wind, from 3 to 6 miles, according to the state of the atmosphere.
	537							
Every minute.	538	70	11	On a white dwelling house.		C.	1864	Visible between the bearings E. by S. and SW. by W., illuminating an arc of 135°.
	539							

## NOVA SCOTIA--Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N. "	' "	° W. "	' "					
540	Digby, or Annapolis.	Pdhu point, S. point of entrance.	44	41 31	65	17 20	1	F.		540	76
541										541	
542	Marshall cove, or Port Williams.	S. shore	44	56 52	65	16 1	2	Verticd; 7 yards apart.	F.	542	(61) (57)
543										543	
544	Margaretville.	On a point 4½ miles E. of Port George.	45	2 57	65	1 0	2	Vertical	F. red.	544	(30) (27)
545	Ile Haute.	Summit	45	11 35	65	0 45	1		Int.	545	365
									Visible 30 seconds every minute.		
546	Black Rock point	S. shore	45	10 10	64	16 0	1		F.	546	45
547	Kingsport	Extremity of Oak Point pier.	45	9 30	64	21 45	1		F.	547	30
548	Horton	On bluff	45	6 15	64	13 10	1		F.	548	92
549										549	
550	Walton harbor	N. side of entrance.	45	14 0	64	0 45	1		F. red.	550	60
551										551	

BAY OF FUNDY--Continued.

## NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and color of illuminating apparatus.	Year lighted.	Remarks.
50	76	13	Square; vertical red and white stripes.	22	C.	1817	During thick weather, fogs, and snow storms a steam fog-whistle will be sounded 8 seconds in each minute, making an interval of 52 seconds between the blasts. The whistle has been heard at the following distances: in calm weather, over 15 miles; with the wind, about 20 miles; stormy weather, and against the wind, 9 miles.
51							
52	(100) (57)	10	Square; white	22	C.	1859	Visible seaward between the bearings WSW. and ENE.
53							
54	(20) (17)	8	Square; white and black horizontal stripes.	22	C.	1859	Red light visible from WSW. around N. to ENE.
55	365	20	Tower; wood; square; white; keeper's dwelling attached.	53	C.	1878	Visible from all points.
56	45	12	Square; white	35	C.	1848	A fog-whistle, on the opposite side of the channel, sounds during thick and foggy weather and during snow storms twice in each minute—each blast being 6 seconds' duration, with intervals of 24 seconds. The whistle will be heard in calm weather; 20 miles, and in stormy weather, or against the wind, from 5 to 8 miles.
57	30	8	Tower; lower part open framework; brown; upper part inclosed and painted white.	26	C.	1878	Visible between the bearings SW. $\frac{1}{4}$ W. and NW. by W. $\frac{1}{4}$ W.
58	92	20	Square; white	20	C.	1851	
59							
60	60	10	Square; wood; white	20	C.	1873	
61							

## NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	
			°	'	°	'						N.
552	Burnt Coat head	Basin of Mines	47	18	40	63	18	30	1	F.	552	75
553											553	
554	Colebrid bay	Spencer point, N. shore	45	23	30	63	37	0	1	F.	554	35
555											555	
556	Partridge island, or Parsborough.	W. side of river	45	23	0	64	19	0	1	F.	556	37
557											557	
558	Apple river, Chignecto bay.	Cape Capstan, or Betty point, N. entrance.	45	28	20	64	51	30	1	F.	558	64
559											559	
560											560	
561											561	
562											562	
563											563	
564											564	

BAY OF FUNDY—Continued.



## NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sead-level.	Distance visible, in unat- tended miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	552	75	13	Square; white; on keep- er's dwelling.	35	C.	1850	Visible from all points of approach.
	553							
	554	35	6	Window in a building.	20	C.	1863	
	555							
	556	37	9	Square; white; on keep- er's dwelling.	32	C.	1852	
	557							
	558	61	12	Oblong, with tower; white.	45	C.	1870	
	559							
	560							
	561							
	562							
	563							
	564							



## NOVA SCOTIA—Continued.

Interval of revolution  
or flash.

Number.

Height of light above  
sea-level.

Distance visible, in nauti-  
cal miles.

Character of light-house  
or vessel.

Height of tower from  
base to focal plane.

Character and order of  
illuminating apparatus.

Year lighted.

Remarks.

565

566

567

568

569

## BERMUDA ISLANDS.

Every minute..... 570 24 362 Circular; iron; white..... 166 ----- 1846 Visible from all directions except between the bearings S. 48° W. and S. 52° W., also S. 53½° W. to S. 62° W., being interrupted by high land.

----- 571 209 ----- Octagonal tower; stone; white. 55 --, 2d ord. 1879 Visible between the bearings S. 38° E. and N. 52° E., over an arc of 270°. When to the northward and westward of St. George Island the light is obscured by the land about Fort Victoria when bearing to the eastward of S. 26° 10' E.

572

## BAHAMA ISLANDS.

Every ½ minute... 573 158 46 Iron, with broad red and white horizontal bands; lantern white. 145 C, 1st ord. 1859 Shows a fixed light, visible for a distance of 6 miles, between the flashes.

574

Every 1½ minutes 575 80 12 Conical; upper part red; lower part white; lantern white. 70 C, 2d ord. 1836 Not visible between the bearings S. by W ¼ W. and S. ¼ E., being intercepted by the Beaufort Isles when 8 miles distant.

576



## BAHAMA ISLANDS—Continued.

Interval of revolution  
or flash.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
577	81	12	Circular; red and white bands.	16	D., 3d ord.	1863	Visible between the bearings NW. by W. and NE., illuminating an arc of 250°.
578							
579	68	10	Conical; stone; white.	58	C., 1st ord.	1816	Visible between the bearings N. E. and N. N. W. $\frac{1}{2}$ W., illuminating an arc of 340°. The regulation is still in force which requires the exhibition at night of a red light at Hog Island light-house whenever the state of the bar at the entrance to Nassau is such as to be considered impassable or dangerous to vessels entering the harbor.
580		8	From a cabin of quarantine office.			1875	Visible between the bearings W. N. W. $\frac{1}{2}$ W. and S. N. W. $\frac{1}{2}$ W., through an arc of 45°.
581	160	16	Conical; stone; lower part white; upper part red; lantern white.	85	C., 1st ord.	1836	Visible between the bearings SW. and E. S. E.
582							
583	123	11	Circular; stone; with red and white bands; lantern white.	77	D., 1st ord.	1863	Illuminates an arc of 228°.
584							
585	120	17	Stone, faced with blue brick; conical.	112	C., 2d ord.	1876	Vessels approaching the light must pay careful attention to its bearings, as the point of reef extends about $1\frac{1}{2}$ miles S. S. W. of the tower, and the current to north of Crooked island is variable.
586							
587	123	17	Conical; 3 bands of red brick.	114	D., 2d ord.	1868	Illuminates an arc of 230°.
588							

Every minute

Every 14 minutes

## BAHAMA ISLANDS—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N.	" "	° W.	" "			
589	GREAT INAGUA ISLAND.....	2 miles NW. of SW. point.....	20	56 0	73	40 45	1	Rev.	Every minute.....
590									
591	TIERS ISLAND.....	400 yds. SW. 1/4 W. from N. extremity of island.	21	31 0	71	7 40	1	Rev.	Every 1/4 minute.....
592									
593	LONES CAY.....	On cay.....	22	22 30	77	35 5	1	F.	.....
594									
595	SAL CAY BANK.....	Angula, SE. cay.....	23	29 0	79	52 0	1	F. & Fl.	.....
596									
597		N. Elbow, or Plainpata cay	23	56 30	80	28 0	1	F.	.....
598									

## GREAT ANTILLES.

599	Cuba, North coast.	San Antonio.....	On cape.....	21	51 30	81	58 1	1	Rev.	Every 1/4 minute.....
600										

Number.  
Height of light above sea-level.

589 120

590

591 108

592

593 140

594

595

596

597 95

598

599 117

600

## BAHAMA ISLANDS—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light, house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute....	589	120	17	Conical; stone; white and red bands.	114	D, 2d ord.	1870	Visible about 1 mile southward of Mathew town, over the land.
	590							
Every ½ minute..	591	108	15	Circular; iron; white....	60	C.....	1845	
	592							
	593	146	16	Circular; iron; broad black bands, 7 in num- ber, and white, 6 in number; lantern white.	150	D, 1st ord.	1860	Illuminates entire horizon.
	594							
	595		8			D, 4th ord.		<i>Proposed.</i>
	596							
	597	96	15	Conical; stone; white; upper part red.	58	D, 2d ord.	1830 rest'd 1866	Not visible when bearing SW. ½ W., being intercepted by Water-cay when 9 miles distant.
	598							
<b>GREAT ANTILLES.</b>								
Every ½ minute.	599	117	20	"RONCALI" thereon....	107	D, 2d ord.	1863	
	600							

## GREAT ANTILLES—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N.	' "	° W.	' "			
601	Julias	On cay	22	43 20	84	0 30	1	F. & Fl.	
602									
603	Gobernadora	On point	23	0 0	83	13 10	1	Rev.	
604									
605	Havana	Morro Castle, E. side of entrance.	23	9 21	82	21 23	1	Rev.	Every 1/4 minute
606									
607	Santa Cruz port	Entrance of port	23	9 0	81	59	1	F.	
608									
609	Guano	On point	23	9 0	81	42	1	Rev.	Every minute
610									
611		Piedras cay, Los Pinzones	23	11 24	81	7 45	1	F. & Fl. red.	Every 2 minutes
612	Cademas bay								
613		Cay Diana	23	9 56	81	6 59	1	F.	

Cuba, North coast—Continued.

Number.  
Height of light above sea-level.

601

602

603

604

605

606

607

608

609

610

611

612

613

Height of light above sea-level.

110

170

93

74

43



## GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	601					D., 2d ord.		<i>Proposed.</i>
	602							
	603	110	15			D., 2d ord.		<i>Proposed.</i>
	604							
Every $\frac{1}{4}$ minute.	605	170	21	Stone color; "O'DONNELL" thereon.	79	D., 1st ord.	1845	The light is extinguished for ten minutes after midnight, to clean and trim the lamps.
	606							
	607							<i>Proposed.</i>
	608							
Every minute.	609	93				D., 3d ord.		<i>Proposed.</i>
	610							
Every 2 minutes	611	74	15	On house; white.	67	D., 4th ord.	1857	
	612							
	613	43	7	Iron column.			1862	

## GREAT ANTILLES—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N.	" "	° W.	" "					
614										614	
615	Cayo Cruz del Padre	On reef, $\frac{1}{2}$ of a mile NE. of cayo.	23 17	7	80 54	12	1	F.		615	49
616										616	
617	Bahía de Cadiz	NE. part of cayo	23 12	34	80 29	18	1	Rev.	Every minute	617	175
618										618	
619	Sagua la Grande	Ranchería point	23 4	0	80 4	0	1	F.		619	57
620										620	
621	Paradón Grande	N. part of cayo	22 29	3	78 9	53	1	F. & Fl.	Every minute	621	159
622										622	
623		Mutermillos point	21 40	6	77 8	57	1	F. & Fl.	Every minute	623	173
624	Sneevitas harbor									624	
625		Barlovento, or Pilot's point, E. entrance.	21 37	30	77 5	16	1	F.		625	49
626										626	

Cuba, North coast—Continued.

## GREAT ANTILLES—Continued.

Interval of revolution  
or flash.

Number.	Height of light above sea-level.	Distance visible, in nau- tical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
614							
615	49	10	Conical; white	46	D., 11th ord.	1862	Not to be depended on.
616							
617	175	21	Iron; white	159	D., 1st ord.	1862	
618							
619	57	8	Red pole, center of keep- er's dwelling; brick.	46	D.,	1872	Visible between the bearings SW. $\frac{1}{4}$ W. and SE. $\frac{1}{4}$ E.
620							
621	159	16	Iron; white; brown stone base.	127	D., 1st ord.	1859	
622							
623	173	23	White; "COTOS" thereon	170	D., 1st ord.	1859	
624							
625	49	9	On white mast, center of building.	41	D., 6th ord.	1861	Keeper's dwelling quadrangular; yellow.
626							

## GREAT ANTILLES—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N.	" "	° W.	" "					
627	Lucrecia	On point	21	4 38	75	37 55	1	Rev. red.	Every minute	627	112
628										628	
629	Baracoa	Entrance of port	20	21 40	71	30 20	1	F.		629	50
630										630	
631	Cape Mayst	On cape, E. point of island	20	15 10	71	10 21	1	F.		631	128
632	Guantánamo	End of mole					2	F., with red sector. F., with green sector.		632	16
633	Santiago de Cuba	100 yards E. of the Morro Castle.	19	57 31	75	52 6	1	Rev.	Every 2 minutes	633	226
634										634	
635	Cape Cruz	On cape	19	50 0	77	11 30	1	F. & Fl. red.	Every 3 minutes	635	111
636										636	
637	Jagua, Nagua, or Cienfuegos harbor.	Colorado point, E. point of entrance.	22	1 0	80	30	1	F. & Fl.	Every 2 minutes	637	81
638										638	
639	Cochinos bay	Cay Piedras, N. part	21	58 0	81	3	1	F.		639	30

## GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute	627	112	15	Stone; white		D., 2d ord.	1808	
	628							
	629	50	12	Iron column, attached to keeper's dwelling.	20	D., 4th ord.	1870	
	630							
	631	128	17	Circular; octagonal base		D., 2d ord.	1862	
	632	10				Lanterns	1881	Square lanterns. The one on N. angle of mole-head has two red and two white faces, and the one on S. angle two green and two white, the colored faces showing toward the harbor.
Every 2 minutes	633	226	15	Iron; white	20	D., 4th ord.	1861	Not to be depended on.
	634							
Every 3 minutes	635	114	10	Stone; yellow; white bands.		C., 2d ord.	1871	Vessels passing the light from E. to W. or from W. to E. should keep well off until passed, to avoid the reef.
	636							
Every 2 minutes	637	81	11	"VILLA NEVA" thereon	45	D., 3d ord.	1851	
	638							
	639	30	7	Brown; on keeper's dwell- ing.	26	D., 4th ord.	1863	

## GREAT ANTILLES—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N. "	' "	° W. "	' "			
640	Cuba, South coast—Continued.								
641		Batabano	22 41 25	82 18 21	1	F.			
642									
643	Pepe, Isle of Pines	On cape	21 26 —	83 6 —	1	Rev.			
644									
645	JAMAICA ISLAND	Morant point	17 55 5	76 11 40	1	Rev.	Every minute		
646									
647		Plum point, 66 yards northward of point.	17 55 45	76 47 20	1	F., with red sector.			
648									
649		Fert Augusta	17 58 0	76 52 20	1	F., with red sector.			
650									
651									

Number.  
Height of light above  
seaslevel.

640

641 31

642

643

644

645 115

646

647 68

648

649 40

650

651

## GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	640							
	641	31	3	Lantern on mast.			1854	
	642							
	643		16			D., 2d ord.		<i>Proposed.</i>
	644							
Every minute	645	115	15	Iron; white	96		1842	Visible when bearing from about N NE, $\frac{1}{4}$ E. round by W. to SE. by S.
	646							
	647	68	12	White			1854	RED when seen between the bearings NW. by W. $\frac{1}{4}$ W. and N. $\frac{1}{4}$ E.; WHITE from N. $\frac{1}{4}$ E. to SE.
	648							
	649	40		Single lamp, suspended from the beacon.				The WHITE light visible to the S. and W. and the RED to the eastward. Bearing N. by E. leads through the S. channel.
	650							
	651							

## GREAT ANTILLES—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N. "	' "	° W. "	' "					
652	Porto Plata	On point, east side of bay	19	48 30	70	41 55	1	Rev.	Every 20 seconds.	652	105
653	Santo Domingo city.	San José fort	18	28 5	69	52 30	1	Rev., red and white.	Every minute	653	113
654										654	
655										655	
656	Arcadins	On center or largest of Arcadins' islands, S.W. point.	18	47 50 (approx.)	72	38 15 (approx.)	1	F.		656	36
657		Lamentin point	18	33 21 (approx.)	72	25 20 (approx.)	1	Rev. red.	Every 1/4 minute	657	97
658	Port au Prince, "Haiti."						2			658	
659		150 yards westward of Fort Islet.					1	F.		659	
660										660	
661		Port San Juan, on Morro point.	18	28 40	66	6 40	1	F. & Fl.	Every minute; flash 5 seconds.	661	171
662		Mayaguez, mole-head					2	F. red.		662	
663	PORTO RICO ISLAND									663	39
664		Port Ponce, office of the captain of the port.	17	58 50 (approx.)	66	39 30 (approx.)	1	F. red.		664	



## GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every 20 seconds.	652	105	16				1879	
Every minute	653	113	16	White cupola	100		1853 alt'd 1879	
	654							
	655							
	656	36	9	Circular; iron; white		—, 5th ord.	1880	
Every ½ minute	657	97	15	Circular; iron; white	33	—, 3d ord.	1880	
	658							<i>Proposed.</i>
	659		3	From mast of W. I. Co.'s store-ship.		Ship's lantern.	1866	<i>To be discontinued.</i>
	660							
Every minute; flash 5 seconds.	661	171	18	Octagonal; white and dark gray.		C, 3d ord.	1876	
	662							
	663	39		Square			1880	Vessels approaching Port Ponce should not come within 5 miles of the land until the light-house bears N. N. E., when it should be steered for, passing westward of Tasmanian shoal. When abreast of Cardones Islet alter course to N. by E. for the anchorage.
	664							



## VIRGIN AND CARIBBEE ISLANDS.

Interval of revolution or flash.	Number.	Height of light above sealevel.	Distance visible in man- rated miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	665	118	12	Iron; white		D., 5th ord.	1872	Visible from seaward between the bearings E. by S. and W.
	666							
	667		4				1857	
	668							
	669			On a flag-staff			1857	
	670							
Every minute	671	150	20	Open iron frame-work; red.	132	D., 2d ord.	1868	
	672	150	8	In old fort; on stone base		Lantern	1875	Visible between the bearings S. 49° E. and S. 38° W., over an arc of 87°. Proselyte rock lies 1¼ miles S. of fort signal station.
	673	37	4	Wood frame-work	33		1846	N. by W. ¼ W. leads to the anchorage.
	674							
	675							Shown when mail steamer is expected.
	676							

## VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N. "	' "	° W. "	' "			
677									
678	ANTIGUA ISLAND.	Sandy island, Port Saint John.	17	6 54	61	54 31	1	F.	
679		Petite Terre 202 yards from eastern extremity.	16	10 29	61	5 7	1	F.	
680									
681		Gozier islet	16	11 57	61	29 3	1	F.	
682									
683		Pointe à Pitre							
684	GUARANIPE ISLAND.								
685		Mouroux islet	16	13 11	61	31 26	1	F.	
686									
687		Port du Moule Near signal-mast.	16	19 59	61	20 11	1	F.	
688									
689		Base Terre On quay	15	59 50	61	13 30	1	F. red.	

Number.  
Height of light above sea-level.

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## VIRGIN AND CARIBBEE ISLANDS—Continued.

Interval of revolution or flash.		Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		677							
		678	58	13	Wood; black lantern and dome red.	53	C.	1875	Visible all round the horizon. Bearing SSW, clears Diamond bank, and N. by E. Hurst and Irish banks and shoals to southward.
		679	108	15		75	D., 3d ord.		
		680							
		681		7					
		682							
		683			On a mast		Lantern		The harbor lights are as follows: 1. The white lights on the buoys at the entrance to Pointe à Pitre, on the starboard side of entrance, are replaced by GREEN ones. 2. The red light on the first buoy in the offing is still lighted and placed alongside of the GREEN one in order to distinguish this buoy from the other two. 3. Buoy at edge of breakers, near Cussan island, carries a white light. The Trans-Atlantique Company, on the days of the arrival of their steamers, the 6th, 10th, 20th, and 27th of each month, places—1, a white light on a beacon placed on a bank opposite Foullole; 2, a GREEN light on the mooring buoys of the steamers in the harbor.
		684							
		685			On a mast		Lantern		
		686							
		687		7				1858	
		688							
		689		9				1865	Light at end of wharf also seen, but of less elevation.

## VIRGIN AND CARIBBEE ISLANDS - Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N. ' "	° W. ' "	°	' "			
690									
691	MARIEGALANTE ISLAND	Grand Bourg	15 54	61 17 0	1		F.		
692									
693	DOMINICA ISLAND	Roseau bay, extremity of mole.	15 17 26	61 23 5	1		F. red.		
694									
695	Fort de France	Pointe des Nègres, in the fort.	14 35 58	61 5 24	1		F.		
696									
697		Fort St. Louis, in SW. part of fortress.	14 36 7	61 4 6	1		F., with red sector.		
698	MARTINIQUE ISLAND.								
699		St. Marthe point, on battery at summit.	14 44 4	61 10 54	2	E and W, 31 feet apart.	F. red, blue, and green.		
700									
701	St Pierre bay								
702									
703		Edge of the bank			1		F. red.		

Number.  
Height of light above sea-level.

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695 62

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697 131

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## VIRGIN AND CARIBBEE ISLANDS—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	690							
	691		9		45		1867	
	692							
	693			On flag-staff			1867	Shown when mail steamer is expected.
	694							
	695	62	8	Red mast	15		1855	
	696							
	697	131	4 to 5					Red between the bearings ESE (over North) and SW, and white in all other directions. A fixed white light is also shown in the careening harbor. The buoy at the southern extremity of St. Louis bank exhibits a white light, and the buoy at the SE. extremity a red light, on the arrival or departure of the mails, or when required. When the packets of the Compagnie Transatlantique are at Fort de France the docks of the company are lighted by the electric light. Vessels coming to the anchorage from the southward in thick weather should be careful not to mistake this light for the white portion of the light on Fort St. Louis.
	698							
	699		5				1860	Upper light shows fixed white. Lower light shows red to the N., blue to the W., and green to the S. The white and blue lights in line lead to the anchorage.
	700							
	701							
	702							
	703		2				1860	Lighted on the day the mail is expected, and for three nights after, if not arrived.

## VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.												
			° N. "	' "	° W. "	' "															
704	MARTINIQUE ISLAND—Continued.	Caracoll mountain	14	46	22	60	52	47	1	F.											
705												Cravelle peninsula, 1/2 of a mile inland.	14	1	30	64	0	50	1	F. red.	
706												Taplon battery, S. entrance of Caetres harbor.	14	1	30	64	0	50	1	F. red.	
707	ST. LUCIA ISLAND	Vielle Ville shoal	13	13	0	61	11	0	1	F. red.											
708												Cocou-mt shoal	13	9	55	59	25	35	1	Rev.	Every 2 minutes
709												Ragged point, 300 yards within the extremity of the cliff.	13	9	55	59	25	35	1	Rev.	Every 2 minutes
710	ST. VINCENT ISLAND	Fort Charlotte, Kingstown	13	13	0	61	11	0	1	F.											
711																					
712																					
713	BARBADOS ISLAND	Ragged point, 300 yards within the extremity of the cliff.	13	9	55	59	25	35	1	Rev.	Every 2 minutes										
714																					
715																					
716																					

Number.  
Height of light above sea-level.

704

705 410

706

707 80

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709

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711

712

713 640

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715 213

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## VIRGIN AND CARIBBEE ISLANDS - Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	704							
	705	410	12	White		D., 1st ord.	1862	<i>Illuminating apparatus defective.</i>
	706							
	707	80	3				1843	Shown when mail steamer is expected.
	708							
	709			Red perch			1868	
	710			Perch			1868	Shown when mail steamers are expected.
	711							
	712							
	713	640	6			Lamp	1858	
	714							
Every 2 minutes	715	213	21	Round; white coral stone.	97	D., 2d ord.	1875	Mariners are cautioned, in closing the land, to keep well to the northeastward of the light on account of the prevailing strong currents running westward on to the Cobblers, a cluster of dangerous reefs 2½ miles SE. of Rugged point.
	716							

## VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			°	'	°	'					
717	BARBADOES ISLAND— Continued.	S. point, 200 yards inshore	13	2 55	59	31 20	1	Rev. red and white.	Every minute; each no 24 sec's.	717	115
718										718	
719		Carlisle bay, Needham point	13	4 45	59	36 22	1	F. with red sector.		719	30
720		W. end of public wharf, Bridgetown.					1	F. red.		720	
720a		W. end of mole, Bridgetown				1	F.		720a		
721	GRENADA ISLAND.	Fort George, St. George harbor.				1	F.		721		
722									722		

## MEXICO AND CENTRAL AMERICA.

723	TAMPICO	N point of entrance	22	16 45	97	47 1	1	F.		723	60
724										724	
725	VERA CRUZ	San Juan de Ulua fort, W. part.	19	12 0	96	8 30	1	Rev.	Every 45 seconds.	725	80
726										726	
727		Convent of San Francisco	19	11 32	96	8 54	1	F. & Fl.	Every minute.	727	102

## VIRGIN AND CARIBBEE ISLANDS—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute; eclipse 24 sec's.	717	145	18	Alternate red and white lamps.	90	C, 3d ord.	1875	Does not show until it bears to the westward of SW. by W., and to be kept well open in order to clear the Coddler reefs.
	718							
	719	30	W, 80 R, 31				1850	RED to N., of E., and WHITE to S., of E. <i>Not to be relied upon. Reported to show WHITE in all directions.</i>
	720		4				1878	At entrance to Carriage.
	720a							At entrance to Carriage.
	721		3 to 4	Flagstaff, in fort			1877	Shown when mail steamer is expected.
	722							

## MEXICO AND CENTRAL AMERICA.

	723	60	15	On a pole			1865	Indifferent light; said to be visible only 7 or 8 miles.
	724							
Every 45 seconds.	725	80	15	White	60			
	726							
Every minute.	727	102	15	Blue, with white stripes at the upper part.		D, 4th ord.	1872	



## MEXICO AND CENTRAL AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	728							
	729	126	12	Old watch-tower			1860 imp'd 1869	
	730							
Every 4 minute.	731	190	14	Circular; red and white upper part; lantern white.		D, 2d ord.	1856	
	732							
	733	95	13				1864	
	734		10					
	735	60	10	White	56		1852	
	736							
	737	57	12	Top of lookout shed		D, 4th ord.		
	738							
	739	63 or 19	13	Skeleton; iron; white	57	D, 4th ord.	1846 New 1868	Beyond a distance of 4 to 6 miles the lights appear as one; within that distance as three distinct lights between the bearings W. and S. In a NW. and SE. direction the lights appear as one and lead to the anchorage. The bank extends 14 miles to the NE. of the light-house. The lights can be seen above the trees from all points of the compass, but the light-house is seen from seaward only from NE. to SW. by W.
	740							

## MEXICO AND CENTRAL AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			N. ° ' "	W. ° ' "	N. ° ' "	W. ° ' "			
741	BELIZE	English cay, S. side of channel.	17 19 30	88 3 54	1		F.		
742									
743		Custom-house				1		F.	
744									
745									
746	ROKEL CAY	On cay, S. extreme of Turneffe cays.	17 8 50	87 56 24	2	Horizontal	F. F. red.		
747									
748	HALF-MOON CAY	SE. point	17 12 15	87 32 30	1		F.		
749	BONAUCA ISLAND	On Cay XII	16 26 — (approx.)	85 53 — (approx.)	1		F.		
750	COXEN HOLE	Coxen road, Roatan island, on hill in rear of town.	16 19 30	86 33 15	1		F.		
751	UTILLA ISLAND	Off East reef	16 5 — (approx.)	86 54 — (approx.)	1		F.		

## MEXICO AND CENTRAL AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	741	45	7	Mast; white		D, 6th ord.	1846 and 1879	
	742							
	743			On a flag-staff		D, 6th ord.	1863	
	744							
	745							
	746	60 W. 8 R. 5.		Flag-staff, with a yard, on which the lights are displayed.		D.	1868	
	747							
	748	70	12	Iron; white	80	C, 2d ord.	1821	Visible around horizon.
	749		6	On a mast			1879	
	750	85	10				1875	Vessels bound in bring the light to bear NNE, ¼ E. and steer for it. Not clearly distinguishable for a distance greater than 3 miles.
	751		4 to 5	Wood			1879	Not to be depended upon.

## MEXICO AND CENTRAL AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° N. "	' "	° W. "	' "			
752	TRUXILLO .....	Cape Honduras, or point Castilla, 70 yards from the shore.	16	1	86	3 15	1	F.	
753									
754	PORT LIMON .....	Grape cay, highest point	10	0 5	83	2 30	1	F.	

## NEW GRANADA, VENEZUELA, AND GUIANA.

755	ASPIRWALL (Colon) .....	NW. part of Manzanilla Island.	9	22 12	79	54 36	1	F.	
756									
757	PORT SAVANILLA .....	About the middle of Cupluc beach.	11	0 0	74	57 0	1	Rev.	Every 2 minutes.
758									
759	SANTA MARTA .....	Morro island	11	15 30	74	15 40	1	F.	
760									
761									
762	ORANGESTADT HARBOR, PUERTO CUBALLOS.	Oruba island, on fort	12	31 5	70	2 34	1	F.	

Number.  
Height of light above sea-level

752 30

753

754 60

755 60

756

757

758

759 328

760

761

762 40



## MEXICO AND CENTRAL AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
752	30	11	-----	-----	-----	1870	Destroyed by a hurricane; a temporary light exhibited, visible 4 miles.
753							
754	60	6 to 8	-----	-----	D.-----	1879	

## NEW GRANADA, VENEZUELA, AND GUIANA.

755	60	10	Wood; open white building.	60	D., 5th ord.	1852	Reported as being visible only 6 miles.
756							
757	-----	22	Iron tower, and keeper's dwelling white.	-----	—, 5th ord.	1872	Visible between the bearings S. $\frac{1}{2}$ E. and NE. by E. $\frac{1}{2}$ E.; can be seen only 5 or 6 miles in hazy weather.
758							
759	328	24	-----	-----	-----	1870	Temporarily discontinued.
760							
761							
762	40	6	Stone; square; upper third white; middle red, and lower blue.	58	C.-----	1877	Visible between the bearings NW. by W. and S. by E., over an arc of 22 $\frac{1}{2}$ °.



## NEW GRANADA, VENEZUELA, AND GUANA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nau- tiral miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	763	30	6	Stone				<i>Building.</i>
	764							
	765							
	766							
	767	35	3	Square; stone; gray.	17	D.	1841	<i>Two-signal, made from vessel stationed in the harbor. At 0h. 0m. 0s. Curacao mean time, or 4h. 35m. 46.9s. Greenwich mean time.</i>
	768							
Every minute	769	75	11	Circular; white; stands between two two-story houses with red roofs.		D, 4th ord.	1879	Fixed white, 40 seconds; eclipsed, 7 seconds; flash, 6 seconds; eclipsed, 7 seconds.
	770							
	771							
	772	85	12	White, with vertical red stripes.	75	Lantern		
	773	129 110	3	Circular; stone; white Pole	23	Lantern	1877	In line lead to anchorage.
Every 40 seconds; alternate red and white.	774	79	14	Quadrangular			1864	
	775							



## NEW GRANADA, VENEZUELA, AND GULANA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute.	776	208	15	Four iron columns on a masonry base, surmounted by a platform on which the lantern is fixed.	58	D, 3d ord.	1875	Not to be depended upon.
	777	5 to 6		On staff		Lamp		
	778	3						<i>Building.</i> The tower now serves as a day-mark.
	779							
	780	50	15	Hexagonal	43	D, 4th ord.	1841	Visible between the bearings NE. by N. and SE.
	781							
	782	30	5	White mast		Lantern	1870	
	783							
	784	115	12	Pentagonal; red and white.	57	D.		Visible between the bearings E. NE. and SW. by W. A beacon on the beach and on the hill-side when in line lead from seaward toward the red buoy; a red light is shown on top of each when mail steamers are expected.
	785							
	786	30	10	Red, with one mast about 60 feet high, and a blue flag by day; "GULANA" on her sides.			1844	Pilots for Demerara and Essequibo rivers are on board. Vessels should avoid passing to southward of the light-vessel.
	787							



## NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute...	788	103	10	Octagonal; red and white vertical stripes.	100	D., 4th ord.	1829	
	789		3 to 4				1870	Visible between the bearings S. by E. and SE. <i>NOTE.</i> —When this red light is in sight a vessel will be to the westward and clear of the end of the breakwater.
	790	30	10	A ball on the foremast; roofs over, with a jig- ger-mast; ditto "BRANCE" on her sides; carries a white flag with a red ball in center.			1850	The light bearing SSW., in 4 fathoms, is the fairway into the harbor. A sloop pilot-boat cruises outside the bar con- stantly, carrying a white flag with "PILOT" inscribed thereon.
	791							
	792	25	4	Red; two masts; yellow ball at foremast-head; "SURINAM" on her sides.		C., 6th ord.	1858	
	793							
	794							
	795	75	10	Pyramidal; white.....	70	D., 4th ord.	1871	Visible between the bearings S. 8° E. and S. 82° W., over an arc of 90°.
	796							
	797	75	10	Pyramidal; white.....		D., 4th ord.	1871	Visible between the bearings E. by N. (through S.) and W. by S. There is a <i>line-signal station</i> at Paramaribo. The signal is made on board the guard-ship <i>Paramaribo</i> at 0h. 0m. 0s. <i>Paramaribo</i> mean time, or 3h. 40m. 51.6s. Greenwich mean time.
	798							

## NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above
			° N.	° W.						
799		Saint Idels, on W. end of Royale island, on summit of hospital.	5 16 50	52 34 58	1	-----	F.	-----	799	107
800									800	
801		Enfant Perdu, on a rock, 6 miles N. of Cayenne.	5 2 40	52 21 20	1	-----	F.	-----		61
802	CAYENNE								802	
803		Angle of infantry barracks.	4 56 10	52 18 37	1	-----	F. green.	-----	803	69
804		Cépéron fort.	4 56 20	52 20 10	1	-----	F.	-----	804	150
805		End of jetty.			1	-----	F. red.	-----	805	39
806									806	
807									807	

## BRAZIL.

808	PARA RIVER.	Braganza shoal light-vessel.	13 miles N. from shoal, in 16 fathoms of water.	S.	W.							808	33
					0 26 9	47 54 0	1	-----	Rev.	Every 5 minutes; eclipsed 5 secs. every minute.			
809		Gaiivotas Island	Entrance to Para river.	0 35 20	48 1 10	1	-----	F.	-----			809	11



## NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
799	197	13			C	1864	A rock of 12 feet lies 2,078 yards N. by W. 4 W. from light-house.
800							
	61	7	Wooden frame		C	1861	
802							
803	63	8			C	1850	The GREEN light is obscured westward of the bearing SW 4 S. These two lights in one lead over the <i>double rock</i> , which is avoided by passing W. of this line.
804	130	10	Wooden frame	10	C	1862	
805	33				C	1862	
806							
807							

## BRAZIL.

808	33	8	Iron; one mast		C	1868	Greatest caution necessary, as light-vessel is so small that she cannot be distinguished at any material distance, and is barely reliable at night, especially in rough weather. Ships coming from the eastward should, as soon as the light-vessel bears W., steer for her, and, passing N., steer SW, as soon as they have rounded her. <i>Out of position in November, 1880.</i> Bell-buoy on wreck between Fort da Barra and the city of Para.
809	11	11	Iron column, on keeper's dwelling.	32	D, 6th ord.	1880	Visible around horizon.

## BRAZIL—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			°	'	°	'			
810	Chapeo Virado.....	On point.....	S.	W.					
			1	7 45	48	27	1	F.	
811	Fort da Barra.....					1	F.		
812	Cotijuba.....	On island.....	1	15 35	48	37 0	1	F.	
813									
814	Marianno.....	On Guajará Island.....	1	47 30	49	28	1	F.	
815									
816	Capim.....	On island.....	1	32 20	48	51	1	F.	
817									
818	Panqueira.....	Mouth of the river Tocantins.	1	44 30	49	5 0	1	F.	
819									
820	Goyabal.....	On point.....	1	37	49	42	1	F.	
821									

PARA RIVER—Continued.

Number.

810

811

812

813

814

815

816

817

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819

820

821

## BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible in true bearing miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
810	7	Iron column	D, 6th ord.	1872			
811	7	Iron column	—, 6th ord.				
812	7	Iron column	D, 6th ord.	1860			
813							
814	7	Iron column	D, 6th ord.	1860			
815							
816	7	Iron column	D, 6th ord.	1860			
817							
818	7	Iron column		1860			
819							
820	7	Iron column	D, 6th ord.	1			
821							

## BRAZIL—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	
			S.	W.					
			°	'	°	'			
822	Jutahy	On island	1	51	49	54	1	F.	
823									
824	Atulain point	On point	0	34	47	17	9	1	F. & Fl. Every 2 minutes.
825									
826	Itacodim	On point	2	10	44	24	45	1	Rev., red and white. Visible 50 sec's; eclipse 50 sec's; alternate red and white flashes.
827									
828	Alcantara	On point	2	25	41	22	0	1	F.
829									
830	San Luiz	San Marcos fort.	2	29	44	18	0	1	F.
831									
832	Santo Antonio da Barra.	Santo Antonio fort.	2	29	44	19	39	1	F.
833									
834	Santa Anna	E. part of island	2	16	43	38	25	1	Rev. Every 32 seconds.

Number.  
Height of light above

822

823

824

825

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70

## BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible in natural miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
822	7		Iron column		D., 6th ord.	1859	
823							
824	101	15	Circular; stone	40	D., 3d ord.	1852	
825							
826	147	15	Square; stone	75		Re-established 1868	
827							
828		5			C.	1860	A guide to the anchorage before Alcantara.
829							
830		10	Octagonal; base square; stone.		C., 1st ord.	1829	
831							
832		5	Stone pillar		C.		
833							
834	70	14	Square; stone; white	80	C.	1861	

## BRAZIL—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° S.	" "	° W.	" "			
835									
836	PEDRA DO SAL	On point	2 49	19	41 43	15	1	F.	
837									
838	CEARA	Macoripe point	3 42	5	38 27	31	1	Rev.	Every 1/4 minute
839									
840		Aracaty, at the mouth of river.					1	F.	
841	THE ROCAS	On reef							
842	GONZALO RIVER LIGHT-VESSEL.	Off entrance					1	F.	
843	RIO GRANDE DO NORTE	Fortress of Santos Reis Magos.	5 45	0	35 13	15	1	F.	
844									
845	PEDRA SECCA	Off bar at Cabedello	6 56	30	34 49	21	1	Rev.	Every minute
846									

## BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
835							
836	20	10	Octagonal; iron.....	27	D., 4th ord.	1873	
837							
838	85	12	Circular; iron; on an octagonal stone base.	50	C., 4th ord.	1872	
839							
840		10	Circular; stone.....		D., 5th ord.		
841							<i>Proposed.</i>
842	30					1868	
843	43	10	Circular; iron.....		D., 5th ord.	1860	
844							
845	52	12	Octagonal; iron; on a square base.			1874	
846							





## BRAZIL—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	847		10	Square; stone base		D, 4th ord.	1872	
	848							
Every minute; 2 white flashes and 1 red flash in succession.	849		15	Octagonal; stone		C	1824	
	850							
Fixed 70 sec's; eclipse 16 sec's; flash 12 sec's; eclipse 22 sec's.	851	208	22	Circular; stone; on a square base.		D, 3d ord.	1856	
	852							
	853	69	10	Octagonal; iron		D, 4th ord.	1867	
	854							
	855	115	6 to 9	Octagonal; wood			1862	WHITE to SE, RED eastward, GREEN southward. Vessels should anchor with RED light in sight, in 4 fathoms; with WHITE or GREEN light in sight do not go into less than 5 fathoms.
	856							
	857		14	Circular; iron	68		1853	
	858							



## BRAZIL—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every 80 seconds; 2 white flashes and 1 red flash in succession.	859	140	18	Circular; stone		D.	1823	Obscured by the land until it bears southward of WNW, ¼ W
	860		6			D, 6th ord.		
	861		4				1864	
	862							
Every minute	863	276	20	White	80	D, 1st ord.	1854	Inside of eight miles the eclipses are not total.
	864							
Every minute; duration of flash 11 seconds.	865	189	17	Iron; circular; surrounded by keeper's dwelling.	51	C, 1st ord.	1861	Inside of seven miles the eclipses are not total.
	866							
	867	66	12	Iron	38	D, 4th ord.	1871	To clear the rock Baixa Grando, be careful not to bring the light to bear S. 60° W.
	868							
	869							
Every 1½ minutes	870	522	25	Circular; iron; light stone color.	53	C, 1st ord.	1861	Visible between the bearings SW. and E, over an arc of 225°.
	871							



## BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
872	315	12	Square; stone; white.	50	C.	1828	
873							
874		6			C.	1839	Time-signal station at observatory on Castello hill, Rio de Janeiro.
875							
876		2	Iron column.		Gas	1856	
877							
878	334	24	Circular; white stone	40	C, 1st ord.	1831	Not always lighted.
879	47	6		30	C.	1875	Visible between NW. $\frac{1}{2}$ N., through W. and S., to S SE. $\frac{1}{2}$ E.
880	262	20	Circular; iron; white	72	D, 3d ord.	1872	
881							
882	123	9	Stoue pillar		D.	1874	
883							

Interval of revolution or flash.

Every 24 minutes; 2 white and 1 red face alternately.

Remarks.

Time-signal station at observatory on Castello hill, Rio de Janeiro.

Not always lighted.

Visible between NW.  $\frac{1}{2}$  N., through W. and S., to S SE.  $\frac{1}{2}$  E.

## BRAZIL—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea level.
			°	'	°	'					
884	SANTA CATHARINA ISLAND.	Punta dos Naufragados, S. point.	27	49 30	48	32 30	1	Rev.	Every minute.	884	14
885										885	
886	RIO GRANDE DO SUL.	N. point of entrance, 1½ miles from extremity of point.	32	7 15	52	4 25	1	Rev.	Every 2 minutes; eclipse 50 sec's.	886	9
887										887	
888	Surongonea	On island	31	44 0	52	9 40	1	F.		888	
889										889	
890	Estreito	On point	31	48 30	51	50 0	1	F.		890	
891										891	
892	Bojurá	On point	31	35 0	51	38 0	1	F.		892	
893										893	
894	Cape Marca	On cape					1	F.		894	54
895										895	

PAYCO LAKE.

## BRAZIL—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute	884	140	15	Circular; stone		C, 2d ord.	1861	Coming from northward not visible until bearing W. by N.
	885							
Every 2 minutes; eclipses 50 sec's.	886	96	14	Circular; iron		C, 2d ord.	1833	
	887							
	888						1860	
	889							
	890		6	Wood			1860	
	891							
	892		13	Stone; square		C.	1860	Harbor lights.
	893							
	894	54	12	Iron; white	47	D, 4th ord.	1860 reb'tt 1881	
	895							

## BRAZIL—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
896	PATOS LAKE—Continued.	Christovao.....	On point.....	31 26 0	51 24 0	1	F.
897							
898		Barba Negra.....	On isle.....	30 37 0	51 15 0	1	F.
899							
900							

## URUGUAY, BUENOS AYRES, AND PATAGONIA.

901	RIO DE LA PLAYA.	Cape Polonio.....	On cape.....	34 24 0	53 47 20	1	F.	
902		Cape Santa Maria....	On cape.....	34 40 30	54 9 26	1	Rev. Every minute	
903		San José Ignacio point.	On point.....	34 51 0	54 40 0	1	F.	
904		Maldonado bay.....	E. point.....	34 58 15	54 54 23	1	F.	
905								
906		Flores.....	On island.....	34 56 55	55 55 —	1	Rev. Every minute; eclipse (approx.) 15 seconds.	
907		Punta Brava.....	On point, 200 yards N. of Punta Brava reef.	34 56 —	56 10 21	1	F.	



## BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
896		15	Stone		C.	1860	} Harbor lights.
897							
898		12	Stone			1860	
899							
900							

## URUGUAY, BUENOS AYRES, AND PATAGONIA.

901	131	18 to 20	Gray stone; three white horizontal bands.				
902	132	18	Round; stone tower.	125	D., 1st ord.	1874	
903	163	15			—, 2d ord.	1877	To be changed to a fixed red light.
904	152	20		90	D., 1st ord.	1860	To be removed to its former position on Lobos Island. Obscured by the top of Lobos Island on a NW bearing, at a distance of 9 miles from that island, and at a height of 23 feet.
905							
906	104	12	White.	65	C.	1833	Telegraphic communication with the office of the Captain of the Port of Monte Video.
907	70	12	White; attached to keeper's dwelling.	82	—, 3d ord.	1876	

## URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above
			° S. "	° W. "					
908	English bank light-ship.	N. part of bank, in 7 fathoms.	35 7 30	55 52 15	1	F.		908	
909	English bank	N. extremity of bank			1	F.		909	
910		W. side of harbor, on mount.	34 53 15	56 14 36	1	F. & Fl.	A flash every 3 minutes for 15 seconds; flash preceded and followed by a short eclipse.	910	480
911								911	
912	Monte Video	End of breakwater, on San José point.			1	F. red.		912	16
913								913	
914		Cathedral, S. tower	34 54 20	56 12 58	1	F.		914	117
915								915	
916	Panela shoal light-ship.	Two hundred yards NNW, $\frac{1}{4}$ W. of shoal.	34 54 0	56 26 0	1	F.		916	17
917								917	
918	Point Indio light-ship.	NE $\frac{1}{2}$ N., 11 miles from Indio point, in 3 $\frac{1}{2}$ fathoms.	35 8 30	57 8 30	1	F.		918	33
919								919	

RIO DE LA PLATA—Continued.

## URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Character of light.	Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		908		2	Red, with three masts.			1857	Position not <i>always</i> to be depended on. A bell-boat is anchored on E. side of English bank, in 3 fathoms of water. Vessels should pass to the north and east of the light-vessel.
F.		909			Iron		D, 1st ord.		With Flores island light marks the width of the channel, which is here about 11 miles wide. <i>Building. Will probably be exhibited about March, 1882.</i>
& Fl.	A flash every 3 minutes for 15 seconds; flash preceded and followed by a short eclipse.	910	480	25	Brown	25	C, 1st ord.	1852	
		911							
red.		912	16		Wooden post			1870	Useless—reported never lit.
		913							
F.		914	147					1862	Dial-plate of clock in the S. tower of cathedral lighted by gas, which enables vessels to anchor by cross-beamings by night.
		915							
F.		916	17	5				1866	
		917							
F.		918	33	10	Two masts; black; black ball at mainmast-head.			1849	When pilots are on board, a red and white diagonal flag is hoisted. The vessel is frequently passed without being seen, owing to the mist about the horizon. After bad weather the position of this light is not to be depended upon.
		919							



## URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		920	20	10	Two masts; red			1857	After bad weather the position of this light is not to be depended upon.
		921							
Rev.	Every 3 minutes.	922	110	10	Dull brick			1846	
F.		923	84	13	White	98	—, 2d ord.	1876	
F.		924	About 20	7	Three masts		C.	1857	
		925							
F.		926							
		927							
F.		928							
		929							
F.		930	110	14	Circular; iron; white and red bands.	60	C., 1st ord.	1855	Seen from seaward in every direction.
		931							

## URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° S. "	' "	° W. "	' "			
932									
933		Dungeness point.....	52	23 55	68	25 40	1	F.	
934		Delgada point.....	52	27 55	69	32 10	1	F. & Fl.	Every ¼ minute.
935		Morro Nuñez, 850 yards W. of Morro.	52	29 30	69	36 0	1	F. & Fl.	
936		Cape Gregory.....	52	39 30	70	12 15	1	F.	
937		Cone hill.....	52	40 15	70	22 40	1	F. & Fl.	
938	MAGELLAN STRAIT.....	Sandy point, outer end of point.	53	8 10	70	50 50	1	F. & Fl.	Every minute.
939		Punta Arenas, Sandy point; block-house.	53	9 30	70	53 37	1	F.	
940		Twenty feet west of flag-staff.					1	F. red.	
941		Cape San Isidro.....	53	46 0	70	58 0	1	F.	
942		Cape Quod, on reef near by.	53	32 0	72	33 15	1	F. & Fl.	Every 2 minutes.
943		Cape Upright, on rock NE. of Cape Sentinel island.	53	7 0	73	32 15	1	F.	
944		Evanjilista island.....	52	23 15	75	10 —	1	F. & Fl.	Every minute.

Number.	Height of light above
932	
933	
934	
935	
936	
937	
938	
939	7
940	65
941	
942	
943	
944	

## URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		932							
		933							<i>Proposed.</i>
Fl.	Every $\frac{1}{2}$ minute.	934					—, 3d ord.		<i>Proposed.</i>
Fl.		935					—, 2d ord.		<i>Proposed.</i>
		936					—, 2d ord.		<i>Proposed.</i>
Fl.		937					—, 2d ord.		<i>Proposed.</i>
Fl.	Every minute.	938					—, 4th ord.		<i>Proposed.</i>
		939	78	10	Quadrangular pyramid.	50		1879	The light is 41 feet above the ground. Visible between the bearings N. 19° W. (over W.) and 52° W. Said to be visible only 5 miles.
		940	69	3	Cupola, supported by two vertical poles.	29	D, 6th ord.	1877	Indicating anchorage when in line with main light.
		941					—, 5th ord.		<i>Proposed.</i>
Fl.	Every 2 minutes.	942					—, 4th ord.		<i>Proposed.</i>
		943					—, 5th ord.		<i>Proposed.</i>
Fl.	Every minute.	944					—, 1st ord.		<i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
945	HUACO ISLAND.....	NE. point.....	° S. ' " 43 34 30	° W. ' " 74 36 —	1	F. & Fl.	Every ¼ minute.
946	HUCANEC ISLAND.....	N. point.....	43 46 50	73 59 35	1	F. & Fl.	Every 3 minutes.
947	WESTOFF ISLAND.....		43 54 40	73 46 30	1	F.	
948	CAPE GUABUN.....		41 48 10	74 3 15	1	Alt.	Every 20 seconds.
949							
950		San Carlos de Ancud; Huapilacmay, or Punta Corona, N. part.	41 46 40	73 52 55	1	F. & Fl.	Every 2 minutes.
951							
952	CHILOE ISLAND.....	Aguy point, telegraph station, San Carlos de Ancud.	41 49 30	73 51 0	1	F.	
953		On large mole, San Carlos de Ancud.	41 51 30	73 50 0	1	F. red.	
954		Point San Gallan, N. end.....	41 47 40	73 32 0	1	F. & Fl.	Every 2 minutes.
955	LACAO ISLAND.....	N. part.....	41 47 40	73 36 30	1	F. red.	
956	APTAO ISLAND.....	SE. bank, off Island.....	41 49 30	73 19 0	1	F.	
957	QUENE ISLAND.....	Point Pinto, Ancud gulf.....	41 48 15	73 11 15	1	F. red.	

Number.  
Height of light above

945

946

947

948

949

950

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952

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954

955

956

957



## WEST COAST OF SOUTH AMERICA.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
R Fl.	Every 1 minute.	945					—, 3d ord.		<i>Proposed.</i>
R Fl.	Every 3 minutes.	946					—, 4th ord.		<i>Proposed.</i>
F.		947					—, 5th ord.		<i>Proposed.</i>
lt.	Every 20 seconds.	948					—, 2d ord.		
		949							
R Fl.	Every 2 minutes.	950	203	15	Circular; white; lantern green.	32	D., 4th ord.	1859	When the light bears SE. by E. vessels may haul to southward.
		951							
F.		952		2				1874	Serves as a guide to the anchorage.
red.		953							<i>Proposed.</i>
R Fl.	Every 2 minutes.	954					—, 6th ord.		<i>Proposed.</i>
red.		955							<i>Proposed.</i>
F.		956			Light-vessel		—, 6th ord.		<i>Proposed.</i>
red.		957							<i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			S. ° ' "	W. ° ' "	° ' "	° ' "			
958	PULUQUI ISLAND.....	Point San Ramon, Ancud gulf.	41 44 30	73 3 30	1		F. red.		
959									
960	MAILLEN ISLAND.....	E. point.....	41 36 45	72 57 30	1		F. & Fl.	Every 2 minutes.	
961									
962	PUERTO MONTT.....	Center of town.....	41 20 30	72 54 —	1		F. red.		
963									
964	CAUCAHUE ISLAND.....	Lobos point, Ancud gulf....	42 4 —	73 23 30	1		F. & Fl.	Every 3 minutes.	
965									
966	CHAQUE ISLAND.....	NW. bank, Ancud gulf.....	42 14 10	73 17 0	1		F. red.		
967									
968	TRANQUE ISLAND.....	Centinela point, Cordova gulf.	42 59 10	73 19 20	1		F. red.		
969									
970	POINT GALERA.....	On extreme S. point.....	40 1 30	73 44 10	1		F. & Fl.	Every minute.	
971									

Number.  
Height of light above sea-level

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962

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968

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180

971

## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible in nauti- cal miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	958							<i>Proposed.</i>
	959							
Fl. Every 2 minutes	960					—, 6th ord.		<i>Proposed.</i>
	961							
	962					—, 6th ord.		Leading light.
	963							
Fl. Every 3 minutes.	964					—, 6th ord.		<i>Proposed.</i>
	965							
	966			Light-vessel		—, 6th ord.		<i>Proposed.</i>
	967							
	968							<i>Proposed.</i>
	969							
Fl. Every minute	970	180	20 to 30	Round; brick; white; base gray, cupola green, rail black.	62	D., 2d ord.	1876	Obscured between the bearings South and S. 10° 30' W. by the Valdivia hills.
	971							

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and flashes.	Character of light.	Interval of revolution or flash.
			° S. "	' "				
972	CAPE QUEDAL		41	3 0	73 58 —	1	F. & Fl.	
973	VALDIVIA	Niebla Fort point	39	53 7	73 25 5	1	Rev. red.	Every 3 minutes.
974		Laucoi point	39	52 40	73 21 30	1	F. red.	
975	QUEULE BAY	Queule point	39	23 —	73 14 —	1	F. & Fl.	Every 2 minutes.
976	MOCHA ISLAND	S. point	38	25 0	73 54 0	1	F. & Fl.	Every 2 minutes.
977		N. point	38	19 35	73 56 50	1	F. & Fl.	Every minute; prolonged flash.
978	PORT LEBU	On mole	37	35 10	73 40 —	1	F. & Fl.	Every 3 minutes.
979	POINT LAVAPIÉ	On western end	37	9 10	73 35 —	1	F. & Fl. red.	Every 2 minutes.
980								
981	SANTA MARIA ISLAND	N. point	36	59 —	73 32 —	1	F. & Fl.	Every minute
982	PORT LOTA	On Morro del Lota	37	5 20	73 11 35	1	F. red.	
983	PORT CORONEL	Puchoco point	37	4 20	73 11 55	1	F. & Fl.	Every 2 minutes.
984		On mole	37	2 0	73 10 40	1	F. red.	

Number.  
Height of light above  
sea-level.

972

973 121

974

975

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980

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984

## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nau- tical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	972					—, 3d ord.		<i>Proposed.</i>
Every 3 minutes.	973	121	8	Square; wood; white	9	D, 6th ord.	1866	
	974							<i>Proposed.</i>
Every 2 minutes.	975					—, 6th ord.		<i>Proposed.</i>
Every 2 minutes.	976					—, 4th ord.		<i>Proposed.</i>
Every minute; prolonged flash.	977					—, 3d ord.		<i>Proposed.</i>
Every 3 minutes.	978					—, 4th ord.		<i>Proposed.</i>
Every 2 minutes.	979					—, 6th ord.		<i>Proposed.</i>
	980							
Every minute	981					—, 1st ord.		<i>Proposed.</i>
	982							<i>Proposed.</i>
Every 2 minutes.	983					—, 6th ord.		<i>Proposed.</i>
	984							<i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° S.	" "	° W.	" "			
985	TALCAHUANO	Vinda island	36	42 45	73	6 45	1	F. red.	
986		Quiriquina island, Concepcion bay.	36	36 45	73	3 25	1	Rev.	Every $\frac{1}{2}$ minute; flash 9 seconds; eclipse 21 sec's.
987									
988	PORT TCMÉ	On mole	36	35 10	72	58 40	1	F. red.	
989	CAPE CARRANZA		35	37 50	72	39 30	1	F. & Fl.	Every minute
990	PORT CONSTITUCION	Sentinel hill	35	37 —	72	26 —	1	F. & Fl. red.	Every 2 minutes
991	CHURCH ROCK		35	19 40	72	24 50	1	F. red.	
992	JUAN FERNANDEZ ISLAND.	On mole, Cumberland bay					1	F.	
993	TOPOCALMA POINT	W. point	34	11 10	72	2 —	1	F. & Fl.	Every 4 minutes
994	TORO POINT	NW. point	33	46 40	71	48 —	1	F.	
995	PORT SAN ANTONIO		33	37 —	71	39 —	1	F. red.	
996	CURAHUILLA	NW. point	33	6 —	71	41 20	1	F. & Fl.	Every minute

Number.	Height of light above sea-level.
985	
986	213
987	
988	
989	
990	
991	
992	4
993	
994	
995	
996	

## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	985							<i>Proposed.</i>
Every $\frac{1}{4}$ minute: flash 9 seconds; eclipse 21 sec's.	986	213	15	Circular; white; lantern and dome green.	36	D <sub>4</sub> 4th ord.	1869	Only visible to the northward of the bearing NE. by E. $\frac{1}{4}$ E.
	987							
	988							<i>Proposed.</i>
Every minute	989					3d ord.		<i>Proposed.</i>
Every 2 minutes	990					4th ord.		<i>Proposed.</i>
	991							<i>Proposed.</i>
	992		4 to 5				1878	Established by the lessees of the island.
Every 4 minutes	993					4th ord.		<i>Proposed.</i>
	994					5th ord.		<i>Proposed.</i>
	995							<i>Proposed.</i>
Every minute	996					1st ord.		<i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights, and relative positions.	Character of light.	Interval of revolution etc.	Number.	Height of light above sea-level.
			°	' S. "	°	' W. "					
997	VALPARAISO	Angeles, or Playa Ancha point.	33	1 30	71	38 40	1	F. & Fl.	Every 2 minutes; flash preceded and followed by a short eclipse.	997	180
998		End of mole, west side of bay.					1	F. red.		998	
999										999	
1,000		Esplanade in front of the Exchange.					1	Rev., red, white, and blue.	Every 16 seconds.	1,000	39
1,001	QUINTERO	Liles point	32	45 50	71	32 50	1	F. & Fl. red.	Every 2 minutes.	1,001	
1,002										1,002	
1,003	PAPUDO	Zañillar point	32	30 9	71	27 37	1	F. & Fl. red.	Every 3 minutes.	1,003	
1,004	PICHIDANQUE	Locos island	32	7 55	71	32 45	1	F. & Fl. red.	Every minute.	1,004	
1,005	VILLOS ROAD	Huevos island, N. point	31	51 35	71	33 15	1	F. red.		1,005	
1,006	CAPE TABLA		31	51 40	71	35 —	1	F. & Fl.	Every 1/2 minute	1,006	
1,007	LENQUA DE VACA	N. point	30	14 30	71	38 30	1	F. & Fl.	Every minute, with prolonged flash.	1,007	
1,008	TONGOY	S. point	30	15 —	71	31 30		F. red.		1,008	
1,009	HERRADURA LE COQUIMBO.	N. point	29	58 —	71	22 —	1	F. red.		1,009	



## WEST COAST OF SOUTH AMERICA—Continued.

	Interval of revolution.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house of vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Fl.	Every 2 minutes, flash preceded and followed by a short eclipse.	997	180	16	Circular; white	49	D, 4th ord.	1838	In coming from the southward the light does not open off Curanilla point until it bears to eastward of N. 46° 30' E.
ed.		998							<i>Proposed.</i>
		999							
v., white, blue.	Every 16 seconds.	1,000	39	5	Iron column	32	O, 6th ord.	1874	Leading light for inner harbor.
Fl. d.	Every 2 minutes.	1,001					—, 6th ord.		<i>Proposed.</i>
		1,002							
Fl. d.	Every 3 minutes.	1,003					—, 6th ord.		<i>Proposed.</i>
Fl. d.	Every minute.	1,004					—, 6th ord.		<i>Proposed.</i>
ed.		1,005							<i>Proposed.</i>
Fl.	Every ½ minute	1,006					—, 6th ord.		<i>Proposed.</i>
Fl.	Every minute, with prolonged flash.	1,007					—, 4th ord.		<i>Proposed.</i>
ed.		1,008							<i>Proposed.</i>
ed.		1,009							<i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° S.	' "	° W.	' "					
1,010	COQUIMBO BAY	Farallon			1		F. & Fl. red.	Every minute	1,010		
1,011		Tortuga point	29 56 15	71 21 5	1		Fl.	Every 15 seconds.	1,011	98	
1,012		On mole	29 56 50	71 20 10	1		F. red.		1,012		
1,013	PAJAROS ISLAND	On largest island	29 35 —	71 33 —	1		F.		1,013		
1,014									1,014		
1,015	PORT TORTORALILLO	On island, off N. outer point	29 29 —	71 20 30	1		F. red.		1,015		
1,016	CHAÑERAL	On island	29 1 30	71 36 —	1		F. & Fl.	Every 3 minutes	1,016		
1,017	SARCO BAY	W. point	28 49 45	71 30 —	1		F.		1,017		
1,018	PEÑA BLANCA	S. end	28 43 —	71 23 —	1		F. red.		1,018		
1,019	HUASCO	On point	28 28 30	71 18 45	1		F. & Fl. red.	Every minute	1,019		
1,020		On mole	28 27 30	71 15 45	1		F. red.		1,020		
1,021	HERRADURA POINT		28 10 —	71 13 15	1		F. & Fl.	Every minute	1,021		
1,022	CARRISAL BAJO	W. point	28 4 —	71 11 45	1		F. red.		1,022		

## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Fl. Every minute.	1,010					—, 6th ord.		<i>Proposed.</i>
Every 15 seconds.	1,011	98	12	Square; white; cupola green.	25	D., 4th ord.	1868	Hidden until bearing NE, by E. $\frac{1}{2}$ E.
	1,012							<i>Proposed.</i>
	1,013					—, 5th ord.		<i>Proposed.</i>
	1,014							
	1,015							<i>Proposed.</i>
Fl. Every 3 minutes	1,016					—, 4th ord.		<i>Proposed.</i>
	1,017							<i>Proposed.</i>
	1,018							<i>Proposed.</i>
Fl. Every minute.	1,019					—, 5th ord.		<i>Proposed.</i>
	1,020							<i>Proposed.</i>
Fl. Every minute.	1,021					—, 6th ord.		<i>Proposed.</i>
	1,022							<i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
1,023	MEDIA POINT	On Caldera point	27° 11' S	71° 1' W	1	F. & Fl.	Every 20 seconds.	1,023	
1,024								1,024	
1,025		On large mole	27° 3' 15"	70° 52' 45"	1	F.		1,025	
1,026	CALDERA	On point	27° 3' 15"	70° 53' 0"	1	F. & Fl.	Every 1½ minutes.	1,026	88
1,027		W. point	27° 3' 0"	70° 51' 30"	1	F. red.		1,027	
1,028								1,028	
1,029								1,029	
1,030	CABEZA DE VACA	On point	26° 50' 15"	70° 52' 30"	1	F. & Fl.	Every 80 seconds.	1,030	
1,031								1,031	
1,032	CHAÑERAL DE LAS ANIMAS.	On Inhués point	26° 23' 30"	70° 15' —"	1	F. & Fl.	Every minute.	1,032	
1,033		On Peña Blanca point	26° 21' 30"	70° 41' 45"	1	F. red.		1,033	
1,034								1,034	

## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every 20 seconds.	1,023					—, 4th ord.		<i>Proposed.</i>
	1,024							
	1,025					—, 6th ord.		<i>Proposed.</i>
Every 1½ minutes.	1,026	88	15	Square; wood; white; rail black; lantern green.	42	D., 4th ord.	1868	Cannot be seen to the southward of NE. ↓ N.
	1,027							<i>Proposed.</i>
	1,028							
	1,029							
Every 80 seconds.	1,030					—, 4th ord.		<i>Proposed.</i>
	1,031							
Every minute.	1,032					—, 6th ord.		<i>Proposed.</i>
	1,033							<i>Proposed.</i>
	1,034							

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° S.	" "						
1,035	SUGAR LOAF ISLAND.	On NW. point	26	8 30	70 41 30	1	F. & Fl.	Every 2 minutes	1,035	
1,036		In cove, on end of a large mole.	26	8 30	70 42 45	1	F. red.		1,036	
1,037	SAN PEDRO POINT	On western point	25 30 45		70 42 —	1	F. & Fl. red.	Every minute	1,037	
1,038									1,038	
1,039	TALTAL	On Taltal point	25 24 30		70 35 —	1	F. red.		1,039	
1,040	ANTOFAGASTA	Small tower, on house of Captain of the Port.	23 41 0		70 25 0	1	F. red.		1,040	29
1,041	IQUIQUE	Near center of Iquique Island.	20 12 30		70 11 20	1	F. & Fl.	Every 1/4 minute.	1,041	95
1,042									1,042	
1,043	ARICA		18 28 6		70 20 30	1	Rev.	Every 2 minutes	1,043	
1,044	COLES POINT		17 42 —		71 23 —	1	Rev.	Every minute	1,044	
1,045	TAMBO DE MORIA					1	F. red.		1,045	
1,046	MOLLENDO HARBOR	On promontory	17 1 —		72 0 —	1	F.		1,046	117
1,047	ISLAY		17 0 —		72 17 —	1	F.		1,047	

## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Fl. Every 3 minutes	1,035					—, 6th ord.	Proposed.	
	1,036						Proposed.	
Fl. Every minute	1,037					—, 6th ord.	Proposed.	
	1,038							
	1,039						Proposed.	
	1,040	29	3				1879	Marks channel from road and boat landing. Shown from sunset to midnight, but when steamers are expected burns all night. Visible between SSE, and ENE.
Fl. Every 4 minutes	1,041	95	18	Iron tower; white	72		1878 re-light'd 1880	Illuminating an arc of 180°.
	1,042							
	1,043		17			—, 4th ord.		Illuminating an arc of 122°. Proposed.
	1,044		20			—, 3d ord.		Illuminating an arc of 225°. Proposed.
	1,045		6			—, 4th ord.		Illuminating an arc of 180°. Proposed.
	1,046	117	3	On flag-staff	65			
	1,047		15			—, 4th ord.		Illuminating an arc of 190°. Proposed.

## WEST COAST OF SOUTH AMERICA—Continued.

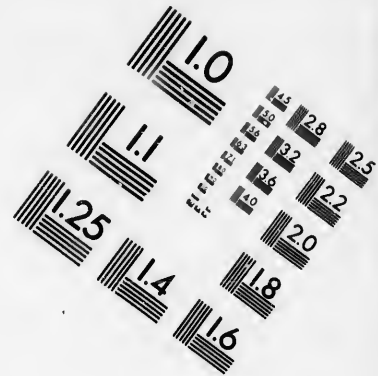
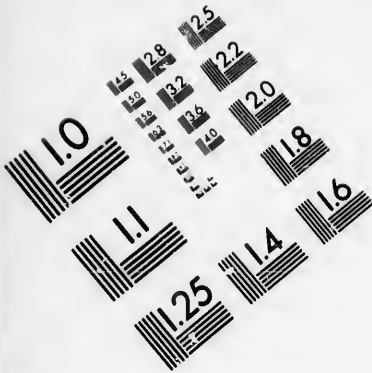
Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distances visible in sea.
			° S.	" "	° W.	" "						
1,018	SAN JUAN		15	20 42	75	10 —	1	Rev.	Every 2 minutes.	1,018		
1,019	SANGALLAN ISLAND		13	50 —	76	28 —	1	Rev.	Every minute.	1,019		
1,050	PISCO	End of mole	13	43 —	76	15 —	1	F.		1,050		
1,051										1,051		
1,052	PALOMINOS ISLAND		12	8 —	77	15 —	1	Rev.	Every minute	1,052		
1,053		San Lorenzo island, N. point	12	1 0	77	16 30				1,053		
1,054		Approaches to landing-place					3	on the right and 1 on the left.	F. red.	1,054		
1,055	CALLAO	Dock-wall, east part of bay					1		F.	1,055		
1,056		Galera point	12	5 —	77	15 —	1		F. green.	1,056		
1,057	HERMIGAS ISLAND						1	Rev.	Every 2 to 3 min's.	1,057		
1,058	MACORQUE ISLAND		11	24 —	77	44 —	1	F.		1,058		
1,059	HEACHO HEAD		11	9 —	77	40 —	1	F. red.		1,059		
1,060	CASMA BAY		9	28 —	78	23 —	1	F. red.		1,060		



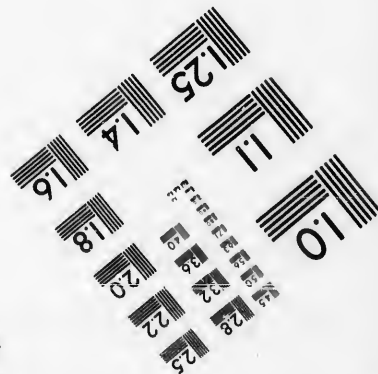
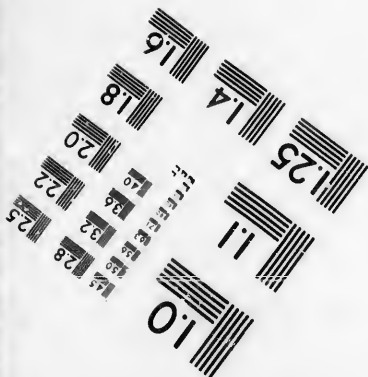
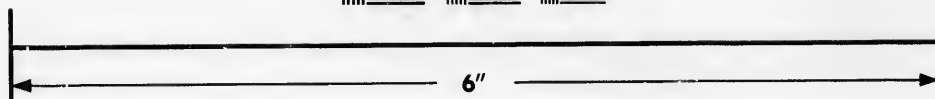
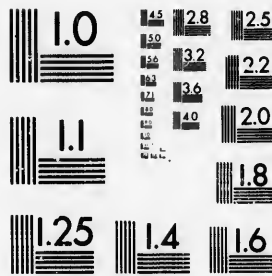
## WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base of focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every 2 minutes.	1,048	17				4th ord.		Illuminating an arc of 180°. <i>Proposed.</i>
Every minute....	1,049	28				2d ord.		Shows a RED sector over Chincha Island and Placerro rock. <i>Proposed.</i>
	1,050							Illuminating an arc of 180°. <i>Proposed.</i>
	1,051							
Every minute	1,052	20				2d ord.		<i>Proposed.</i>
	1,053							<i>Ignored in 1881.</i>
	1,054					Gas	1879	
	1,055						1879	
	1,056							<i>Proposed.</i>
Every 2 to 3 min's.	1,057	20				3d ord.		<i>Proposed.</i>
	1,058	10				5th ord.		<i>Proposed.</i>
	1,059	6				6th ord.		Illuminating an arc of 180°. <i>Proposed.</i>
	1,060	6				6th ord.		Illuminating an arc of 150°. <i>Proposed.</i>





**IMAGE EVALUATION  
TEST TARGET (MT-3)**



**Photographic  
Sciences  
Corporation**

23 WEST MAIN STREET  
WEBSTER, N.Y. 14580  
(716) 872-4503

1.5  
1.8  
2.0  
2.2  
2.5  
2.8  
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90

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light	Interval of revolution or flash.	Number.	Height of light above
1,061	SAMANCO HEAD.		° S. 9 16 "	° W. 78 31 "	1	F.		1,061	
1,062	FERROL, (Port Chimbote).	Chimbote point	9 5	78 35	1	F. red.		1,062	
1,063	GUASAPE				1	F.		1,063	
1,064								1,064	
1,065	SALAVERRY	On slope of hill			1	F. red.		1,065	
1,066	PACASOMAYO POINT.		7 25	79 38	1	Rev.	Every 2 minutes.	1,066	
1,067	ETEN POINT.		6 55	79 51 42	1	F. red.		1,067	
1,068	LOBOS DE AFUERA	On island	6 57 48	80 41	1	Rev.	Every 1/4 minute.	1,068	
1,069	SAN JOSÉ				1	F.		1,069	
1,070								1,070	
1,071	FOCA ISLAND.		5 14	81 11	1	F. red.		1,071	
1,072								1,072	
1,073	PAYTA		5 5	81 8	1	F.		1,073	

## WEST COAST OF SOUTH AMERICA—Continued.

Character of light	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		1,061		6			—, 6th ord.		Illuminating an arc of 180°. <i>Proposed.</i>
F. red.		1,062		6			—, 6th ord.		Illuminating an arc of 240°. <i>Proposed.</i>
F.		1,063		6			—, 6th ord.		<i>Proposed.</i>
		1,064							
F. red.		1,065		6	Iron scaffolding		—, 6th ord.		Illuminating an arc of 180°. <i>Uncertain if lighted.</i>
Rev.	Every 2 minutes.	1,066		17			—, 4th ord.		Illuminating an arc of 180°. <i>Proposed.</i>
F. red.		1,067		6					Illuminating an arc of 150°. <i>Proposed.</i>
Rev.	Every 1/4 minute.	1,068		26			—, 2d ord.		<i>Proposed.</i>
F.		1,069		6					Illuminating an arc of 140°. <i>Proposed.</i>
		1,070							
F. red.		1,071		13			—, 4th ord.		Illuminating an arc of 240°. <i>Proposed.</i>
		1,072							
F.		1,073		6					Illuminating an arc of 180°. <i>Proposed.</i>

## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above		
			° S. "	° W. "								
1,074	TUMBEZ	Malpelo point	3 30	42	80 28	12	1	Rev.	Every 2 minutes.	1,074		
1,075	GUAYAQUIL.	Santa Clara Island.	Summit of Island	3 10	45	80 24	31	1	F. & Fl.	Every 30 seconds a 4-second flash.	1,075	25
1,076											1,076	
1,077			On Punta Arena	3 1	52	80 5	35	1	Rev. red.	Every minute: visible 16 sec's; eclipse 44 sec's.	1,077	60
1,078											1,078	
1,079		Puna Island	On Española point	2 47	30	79 54	30	1	F.		1,079	131
1,080										1,080		
1,081			On Mandinga point, $\frac{1}{4}$ a mile E. of Puna Village.	2 44	30	79 52	50	1	F.		1,081	124
1,082										1,082		
1,083		Green island.	On Green point.	2 38	40	79 54	10	1	F.		1,083	
1,084										1,084		
1,085	MANTA BAY	N. end of town	0 56	46	80 43	10	1	F.		1,085	82	
1,086										1,086		

## WEST COAST OF SOUTH AMERICA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Rev.	Every 2 minutes.	1,074		17			—, 4th ord.		Illuminating an arc of 180°. <i>Proposed.</i>
& Fl.	Every 30 seconds a 4-second flash.	1,075	256	24	White; green window-shades.	32	D., 3d ord.	1872	
		1,076							
v. red.	Every minute; visible 16 sec's; eclipse 44 sec's.	1,077	60	12	Square	45	D., 4th ord.	1873	
		1,078							
F.		1,079	131	9			D., 5th ord.	1875	
		1,080							
F.		1,081	124	10	Square; light green	32	D., 6th ord.	1873	
		1,082							
F.		1,083					D., 6th ord.		<i>Proposed.</i>
		1,084							
F.		1,085	82	9	Red; iron frame-work	26	D.	1873	Illuminates an arc of 270°. Reported as visible only 4 or 5 miles.
		1,086							



## WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
1,087	ESMERALDA RIVER	On Point Coquito	$0^{\circ} \text{N. } 1' 0''$	$0^{\circ} \text{W. } 79' 41''$	1	F.	
1,088							
1,089	PANAMA	End of railroad wharf	$8^{\circ} 57' 0''$	$79^{\circ} 31' 0''$	1	F. red.	
1,090							

## CENTRAL AMERICA AND MEXICO, SW. COAST.

1,091	NICOYA GULF	Punta Arenas	$9^{\circ} 58' 45''$	$84^{\circ} 45' 50''$	1	F.	
1,092	CORINTHO	N. point of Cardon Island	$12^{\circ} 27' 55''$	$87^{\circ} 7' 47''$	1	F.	
1,093	LA LIBERTAD	W. angle of custom-house	$13^{\circ} 30' 40''$	$89^{\circ} 15' 30''$	1	F.	
1,094	PORT LA UNION	End of wharf			1	F.	
1,095							
1,096							
1,097	SAN JOSÉ DE ACAJUTLA	Extreme of iron mole	$13^{\circ} 37' 0''$	$89^{\circ} 45' 0''$	1	F, with red and green sectors.	
1,098							
1,099							

## WEST COAST OF SOUTH AMERICA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.	-----	1,087	36	9	Tower; white and rose color.	26	-----	1872	Temporarily discontinued.
		1,088							
red.	-----	1,089						1870	
		1,090							

## CENTRAL AMERICA AND MEXICO, SW. COAST.

F.	-----	1,091	65	9	White-----		D., 3d ord.	1856	
F.	-----	1,092	64	12 to 15	Octagonal; wood; white.	33	-----	1875	
F.	-----	1,093		6 to 7	-----		Lantern.	1872	Shown when mail steamer is expected. Obscured by a building between the bearings of N. by W. and N. W. $\frac{1}{4}$ W. Reported position: { Lat. $13^{\circ} 29' 0''$ N. Long. $89^{\circ} 19' 20''$ W.
F.	-----	1,094	33	6 to 8	-----		-----	1876	Harbor lights. Reported position: { Lat. $13^{\circ} 20' 5''$ N. Long. $87^{\circ} 51' 5''$ W.
		1,095							
		1,096							
F. In red green towers.	-----	1,097		7 to 8	-----		-----	1872	Shows RED to southward, WHITE in the middle, and GREEN to northward. The best anchorage is in the limit of the WHITE sector. Reported position: { Lat. $13^{\circ} 34' 20''$ N. Long. $89^{\circ} 50' 45''$ W.
		1,098							
		1,099							

## CENTRAL AMERICA AND MEXICO, SW. COAST—Continued.

Number.	Name.	Location.	Latitude.		Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution of flash.
			° N. ' "	° W. ' "				
1,100								
1,101	ACAPULCO	Summit of Grifo or Roqueta Island.	16 49 0	99 52 0	1		F.	
1,102								
1,103	MAZATLAN	Creston Island	23 10 36	106 27 —	1		F.	
1,104	LA PAZ	On wharf			2		F. red. F. green.	
1,105								
1,106								
1,107								
1,108								

## BRITISH COLUMBIA.

1,109	VANCOUVER ISLAND.							
1,110		Race island	On rocks	48 17 36	123 32 15	1	Fl.	Every 10 seconds
1,111		Victoria	Borens Island	48 25 24	123 24 —	1	F. blue.	

Number.  
Height of light above sea-level.

1,100

1,101 38

1,102

1,103

1,104

1,105

1,106

1,107

1,108

1,109

1,110 118

1,111 44

## CENTRAL AMERICA AND MEXICO, SW. COAST—Continued.

Character of light.	Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		1,100							
F.		1,101	385	15 or 20				1858	For mail steamers only, when expected.
		1,102							
F.		1,103		20	Square; white; rising from the center of a square building, white; lantern red.		—, 4th ord.	1879	
F. red. green.		1,104		2 to 3			Lanterns	1881	
		1,105							
		1,106							
		1,107							
		1,108							

## BRITISH COLUMBIA.

		1,109							
Fl.	Every 10 seconds.	1,110	118	18	Stone tower, with 5 alternate horizontal bands, black and white.	165	D., 2d ord.	1861	A fog-bell has been established at Race Island light-house Juno de Fuca strait, which will be used as occasion may require. SE. by E., 600 or 800 yards, is a reef having 5 feet water over it.
F. blue.		1,111	44	6 to 7	Square; wood; white; keeper's dwelling attached.	30		1876	Harbor light.

## BRITISH COLUMBIA—Continued.

Number	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			N. ° ' "	W. ° ' "	N. ° ' "	W. ° ' "			
1,112	VANCOUVER ISLAND—Continued.	Esquimalt.....	Summit of Fisgard Island, S. point.	48 26 0	123 27 15	1	F. with red sector.		
1,113									
1,114		Cape Bendo.....	SE. point of entrance to Bar- clay sound.	48 47 48	125 12 52	1	Rev.	Visible 30 sec's; eclipse 30 sec's.	
1,115	ENTRANCE ISLAND.....	Nanaimo harbor.....	49 12 50	121 48 45	1	F.			
1,116									
1,117	GULF OF GEORGIA, FRA- SER RIVER.	Light-vessel, in 10 fathoms, South Sand heads.	49 3 30	123 17 16	1	F.			
1,118									
1,119	BURBARD INLET.....	On Point Atkinson.....	49 19 40	123 15 55	1	Rev.	Every minute.....		
1,120									

## NORTH PACIFIC ISLANDS.

1,121	SANDWICH ISLANDS.	Puakaa point, Hilo harbor.....	19 45 0	155 5 0	1	F.		
1,122		Hawaii Island.....	Cook point, Keoluakeakua.....	19 28 0	155 55 0	1	F.	
1,123		Kaunaloa.....	Kaunaloa.....	20 (3) —	155 (18) —	1	F.	

Number.  
Height of light above  
sea-level.

1,112 70

1,113

1,111 160

1,115 60

1,116

1,117 70

1,118

1,119 110

1,120

1,121 130

1,122

1,123 50

## BRITISH COLUMBIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,112	70	12	Iron; white; lantern red	57	D., 4th ord.	1860	WHITE when bearing from N. $\frac{1}{2}$ W. to NW. by W. $\frac{1}{2}$ W.; RED from NW. by W. $\frac{1}{2}$ W. to S. $\frac{1}{2}$ E.; WHITE from S. $\frac{1}{2}$ E. to SE. $\frac{1}{2}$ E.; and REDDISH from SE. $\frac{1}{2}$ E. landward to the WHITE limit.
1,113							
1,111	161	19	Square; light stone color	43	G. ....	1874	Visible between the bearings E. and WNW. $\frac{1}{2}$ W., over an arc of 163°.
1,115	61	11	Square; wood; white; keeper's dwelling attached.	50	C. ....	1876	Indicates the entrance to Nanaimo harbor and Departure bay.
1,116							
1,117	70	9	Red, with two masts; on the mainmast is a ball; name in white letters on her sides.		C., 6th ord.	1866	During foggy weather a bell is sounded.
1,118							
1,119	119	15	Square; white; attached to keeper's dwelling.	49	C. ....	1875	Visible from entrance to Burrard's Inlet to an ESE. $\frac{1}{2}$ E. bearing, over an arc of 87°.
1,120							

## NORTH PACIFIC ISLANDS.

1,121	136	10	Small white building, 14 feet high.			1869	Not to be depended on.
1,122							Shown when mail steamer is expected.
1,123	50	10	White.....			1869	With the light bearing ENE. is good anchorage about $\frac{1}{4}$ of a mile off shore.

## NORTH PACIFIC ISLANDS—Continued.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
			° N.	' "	° W.	' "					
1,124										1,124	
1,125										1,125	
1,126	Manu Island	Lahaina port (Lahinahua).	20 52 0		156 33 0	2	Horizontal; 4 feet apart.	F.		1,126	
1,127										1,127	
1,128	Honolulu, Oahu Island.	Inner edge of western reef; the other near the custom-house.	21 17 55		157 52 0	2	1 mile apart.	F. F. green.		1,128	26 28
1,129										1,129	
1,130										1,130	
1,131										1,131	
1,132										1,132	
1,133										1,133	
1,134										1,134	
1,135										1,135	
1,136										1,136	

## NORTH PACIFIC ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light, house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,124							
1,125							
1,126		0				1868	The two lights cannot be distinguished as separate lights until within $1\frac{1}{4}$ miles of the anchorage.
1,127							
1,128	( 26 28 )	( 0 3 )			D, 4th ord.	(1869 1869)	Visible between the bearings E. and NW, by W. To enter the harbor, bring the two lights in one on a bearing of N. 16° E., which will lead over the bar in 22 feet at low-water spring tides.
1,129							
1,130							
1,131							
1,132							
1,133							
1,134							
1,135							
1,136							



## NORTH PACIFIC ISLANDS—Continued.

Number.	Name.	Location.	Latitude. ° N. ' "	Longitude. ° W. ' "	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
1,137							
1,138							
1,139							
1,140							
1,141							
1,142							
1,143							
1,144							
1,145							
1,146							
1,147							
1,148							
1,149							
1,150							

Number.	Height of light above seaslevel.
1,137	
1,138	
1,139	
1,140	
1,141	
1,142	
1,143	
1,144	
1,145	
1,146	
1,147	
1,148	
1,149	
1,150	

## NORTH PACIFIC ISLANDS—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of eyes from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	1,137							
	1,138							
	1,139							
	1,110							
	1,141							
	1,142							
	1,143							
	1,144							
	1,145							
	1,146							
	1,147							
	1,148							
	1,149							
	1,150							

## SOUTH PACIFIC ISLANDS.

Number.	Name.	Location.	Latitude.		Longitude.		Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above	
			° S.	' "	° W.	' "						
1,151	SOCIETY ISLANDS. Tahiti, N. coast.	Venus point	17	29 48	149	29 21	1	F.		1,151	8	
1,152										1,152		
1,153		Port Papeete.					2	SSE. and N. NW, 1,520 yards apart.	F. red.		1,153	
1,154											1,154	
1,155			On E. end of a shoal, inside of harbor.					1	F. red.		1,155	
1,156										1,156		
1,157										1,157		
1,158	FUJI ISLANDS. Levuka harbor	Ovalau island	17	40 45	178	49 0	2	E. $\frac{1}{2}$ N. and W. $\frac{1}{2}$ S., 73 yards apart.	F. red.		1,158	
1,159										1,159		
1,160		Suva harbor low light.	On Viti Levu island.	18	6 50	178	24 40	1	F. red.		1,160	
1,160a				Suva harbor high light.					1	F.		1,160a
1,161	NA MBUKALOP	East side of Suva harbor.	18	8 10	178	26 10	1	F. green.		1,161		
1,162										1,162		

## SOUTH PACIFIC ISLANDS.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	1,151	82	15	Square; white	72	D., 3d ord.	1868	Visible between the bearings W. by N. and NE. by E. $\frac{1}{2}$ E.
	1,152							
	1,153						1869	On beacons, which serve as a leading-mark through the channel, one of which is on the corner of the Battery de l'Embruscade and the other on the side of the hill beyond. Lights not to be depended on.
	1,154							
	1,155							To the right of the lights which serve as a leading-mark, about $\frac{1}{2}$ of a mile WNW. from the first light.
	1,156							
	1,157							
	1,158			Pyramidal; white.			1871	The lights by night or light-houses by day kept in line lead through the middle of S. entrance passage.
	1,159							
	1,160		5				1880	The lights bear north and south from each other, distant 1,000 yards, and in line bearing north lead through the channel into Sava harbor. The high light is not visible to the eastward of NW.
	1,160 $\frac{1}{2}$	320	8 to 12				1880	
	1,161						1881	Not visible south of E. $\frac{1}{2}$ S. Should be steered for as soon as sighted.
	1,162							

## SOUTH PACIFIC ISLANDS—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
1,163			° S. "	° W. "			
1,164							
1,165	SUWARROW (Souwaroff)---	On wharf-----	13 16 0	163 3 0	1		
1,166							
1,167							
1,168							
1,169							
1,170							
1,171							
1,172							
1,173							
1,174							
1,175							

Number.

1,163

1,164

1,165

1,166

1,167

1,168

1,169

1,170

1,171

1,172

1,173

1,174

1,175

## SOUTH PACIFIC ISLANDS—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
		1,163							
		1,164							
		1,165						1876	
		1,166							
		1,167							
		1,168							
		1,169							
		1,170							
		1,171							
		1,172							
		1,173							
		1,174							
		1,175							

Abaco ---  
Abrolhos I.  
Abtao isla  
Acajutla, S.  
Acapulco...  
Acand point  
Ahuera, Lo  
Aguay point  
Aleantara...  
Alexander  
Algernon r.  
Allan islan  
Alston's po  
Amet islan  
Amherst, F  
Amherst is  
Amour point  
Anrud gulf  
Anrud, San  
Angelas po  
Anguila cay  
Annapolis,  
Ann harbor  
Anticosti is  
Antigua isla  
Antilles, Gr  
Antofogasta  
Antoine, St.

# I N D E X .

A.	No.	No.	No.
Abaco .....	581 to 583	Antonio, Fort San .....	859
Abrolhos islands.....	865	Apple river.....	558
Abtao island .....	956	Araçaty.....	840
Acajutla, San José de .....	1,097	Arcadius.....	656
Acapulo.....	1,107	Arena, Punta.....	1,077
Aconil point .....	416	Arenas, Punta.....	939 and 1,091
Afuera, Lobos de .....	1,068	Argyle harbor.....	518
Aguay point.....	952	Arica .....	1,043
Alcantara .....	828	Arichat harbor .....	438
Alexander point.....	281	Arichat harbor, West .....	410
Algerouou rock.....	132	Aspluwall.....	755
Allan island.....	50	Atalala point.....	824
Alston's point .....	277	Athol island.....	580
Amet island.....	380	Atkinson point .....	1,119
Amherst, Fort.....	25	Augusta, Fort .....	649
Amherst island.....	87	Aux Anglais, Point.....	222
Amour point .....	31	Aux Orignoux, Point.....	126
Ancud gulf .....	957, 958, 964 to 966	<b>B.</b>	
Ancud, San Carlos de.....	950 to 953	Bacallien island.....	19
Angelos point .....	997	Baccaro point .....	510
Anguilla cay.....	595	Bacolet point.....	784
Annapolis, or Digby .....	549	Baldeck harbor .....	413
Anu harbor, St .....	767	Bagot bluff.....	85
Anticosti island .....	83 to 89	Bague, Isle à la .....	193
Antigua island .....	678	Bahama islands .....	573 to 598
Antilles, Great .....	599 to 664	Bahia de Cadiz .....	617
Antofagasta .....	1,640	Bahia, or San Salvador .....	859 to 861
Antoine, St .....	143	Baracoa.....	629
		Barbados island .....	715 to 720a
		Barba Negra .....	808
		Barbara island, Santa.....	865
		Barclay point .....	677
		Barclay sound.....	1,114
		Barlovento point .....	625
		Barra, Fort da.....	811
		Barra, Straits.....	411
		Barrington bay.....	511
		Barilboque.....	301
		Basin of Mines.....	552
		Basse Terre (Guadaloupe) .....	680
		Basse Terre (St. Christopher).....	673
		Batubano.....	611
		Bathurst harbor .....	277
		Batiscan .....	161
		Battery point .....	482
		Bay of Fundy.....	323 to 350 and 522 to 570
		Beach point .....	408
		Beale, Cape .....	1,114
		Beauharnois.....	213
		Beaver harbor.....	337
		Beaver islands.....	460
		Beaucour Traverse.....	162
		Bedeque bay .....	372 to 374
		Belize .....	741 to 743
		Belle Chasse.....	137
		Belle isle.....	1 and 2



	No.		No.		No.
Belloram.....	53	Braganza shoal light-vessel.....	808	Cabot Island.....	164
Berlice.....	790	Bram's point.....	792	Cadicez, Isle à.....	220
Boren's Island.....	1, 113	Branly Pots.....	121	Cadiz, Bahía de.....	617
Bermuda Island.....	570 and 571	Brava point.....	771	Caldera point.....	1, 023
Berry head.....	457	Brava Punta.....	907	Caldera.....	1, 025 to 1, 027
Betty Island.....	471	Brazil.....	808 to 900	Callabouco point.....	876
Blequette Island.....	109	Brig point.....	471	Callao.....	1, 053 to 1, 056
Big Arrow island.....	437	Bridgeport harbor.....	422	Campbelltown.....	275b
Big Fish Island.....	520	Bridgetown.....	720 and 720a	Canpeche.....	733
Big harbor.....	561a	British Columbia.....	1, 109 to 1, 120	Campobello Island.....	340
Bill Hook Island.....	360	Briton Harbor.....	55	Cann Island.....	40
Birch point.....	283	Brooklyn.....	491	Caron point.....	45
Bird Island (Nova Scotia).....	406	Brown's point.....	265	Canso gut (N. entrance).....	392
Bird rock (Bahamas).....	584	Brunet Island.....	51	Canso gut (Ship harbor).....	391
Bird rock.....	71	Bryer Island.....	536	Canso gut (S. entrance).....	396
Black Rock point (Cape Breton Isl'd).....	410	Buctouche harbor.....	316	Canso harbor.....	446
Black Rock point (Bay of Fundy).....	546	Buen Ayre.....	772 and 773	Cape Beale.....	1, 114
Blanche point, Rose.....	57	Buenos Ayres (city).....	924 to 926	Cape Breton Island.....	398 to 442
Bliss Island.....	338	Buenos Ayres, Patagonia and Uruguay.....	901 to 944	Cape Canso.....	448
Blockhouse point.....	370	Bunker Island.....	526	Cape Capstan.....	558
Boar Island.....	56	Burgeo Islands.....	56	Cape Charles (St. Lawrence river).....	153
Boar's head.....	538	Burin Island.....	41	Cape Chatte.....	97
Bojura.....	892	Burnt Coat head.....	552	Cape Carranza.....	980
Bokol cay.....	746	Burnt Island.....	261	Cape Cruz.....	653
Bonacca Island.....	719	Burrard inlet.....	1, 119	Cape Despair.....	288
Bonami point.....	275	<b>C.</b>		Cape Enragé.....	328
Bonavista.....	13	Caballes Puerto.....	762	Cape Fourchu.....	524
Bon Portage.....	514	Cabedello.....	845	Cape Frio.....	870
Bonche, Havre.....	391	Calella, Puerto.....	774	Cape Gaspé.....	-
Bourg, Grand.....	691	Cabeza de Vacca.....	1, 600	Cape George.....	415

No.		No.		No.	
100	Cape Goose	126a	Cape Tabla	1,006	Cayenne
220	Cape Gregory	936	Cape Upright	943	Cayo Cruz del Padre
617	Cape Guabun	948	Caplin	816	Cay Piedras (Cuba, N. coast)
1,023	Cape Honduras	752	Caracoli mountain	775	Cay Piedras (Cuba, S. coast)
1,025 to 1,027	Cape La Honda	434	Caracquet island	279	Cay XII
876	Cape Madeleine	165 to 167	Caravelle peninsula	765	Ceara
1,053 to 1,056	Cape Magdalen	51	Carbonear island	19a	Celestun
275b	Cape Marca	894	Cardenas bay	611 to 613	Centinela point
733	Cape Maysl	631	Cardigan bay	361	Central America and Mexico
340	Cape Norman	5	Cardon island	1,092	Central America and Mexico, SW. coast
10	Cape Penbrooke	931	Caribbee islands	665 to 722	Cépéron fort
45	Cape Pine	37	Caribon island	382	Chaleur bay
392	Cape Polonio	901	Carleton point	273	Chañeral
394	Cape Quelal	972	Carlisle bay	719	Chañeral de las Animas
396	Cape Quod	942	Caron point	221a	Channel, Little
446	Cape Race	15	Carousai island	91	Chapee Virado
1,111	Cape Ray	59	Carranza cape	989	Charles, Cape (St. Lawrence river)
398 to 442	Cape Roseway	504	Carrisal bajo	1,022	Charlotte fort
448	Cape Rouge	133 and 134	Carter's island	502	Charlotte Town harbor
558	Cape Rozler	73	Caripane	778	Chatoanguay
15	Cape Sable	512	Cascumpeque	558	Chatte, Cape
97	Cape San Isidro	941	Casua bay	1,060	Chanque island
98	Cape Santa Maria	942	Cassies point	317	Chebucto head
653	Cape Sentinel island	943	Castilla point	752	Cherry
28	Cape Spear	31	Castle island	587	Cherry island
326	Cape Spencer	330	Castries harbor	707	Chester bay
524	Cape St. Francis	20	Catalina harbor	15	Chetican island
570	Cape St. George	388	Catharina, Santa	884	Chico bank light-ship
415	Cape St. Mary (Bay of Fundy)	528	Chucabuo island	961	Chiens, Ile aux
	Cape St. Mary (Newfoundland)	39	Cay, Diana	613	Chignecto bay
					795 to 805
					615
					611
					639
					749
					838 to 840
					734
					968
					723 to 754
					1,091 to 1,101
					804
					269 to 283
					1,016
					1,032 and 1,033
					338a
					810
					155
					713
					370
					211
					97
					966
					468
					213
					231
					476 to 478
					462
					920
					49
					558

No.		No.		No.	
Chiloe Island.....	950 to 954	Corwall canal.....	241	Curanilla.....	996
Chimote point.....	1,062	Coronel port.....	983 and 984	<b>D.</b>	
Christianstad fort.....	669	Coteau du Lac.....	227	Dalhousie.....	274
Christovno.....	836	Cotijuba.....	812	David's Island, St.....	571
Church point.....	530	Cotiquiba bar.....	855	De la Plata, Rio.....	907 to 928
Church rock.....	991	Coxen hole.....	750	Delgada point.....	904
Chibou Island.....	406	Cox's point.....	354b	Demerara.....	786 to 789
Cienfuegos harbor.....	637	Crab Island.....	287	Despair, Cape.....	288
Chitre point.....	207 to 209	Cranberry Island.....	448	Devil cove head.....	8
Coutzacoucos river.....	729	Cranberry point.....	458	Devil Island.....	464
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