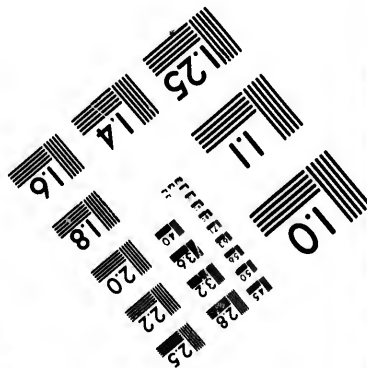
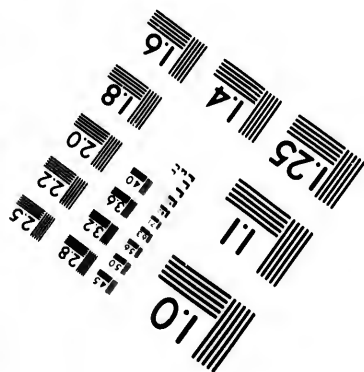
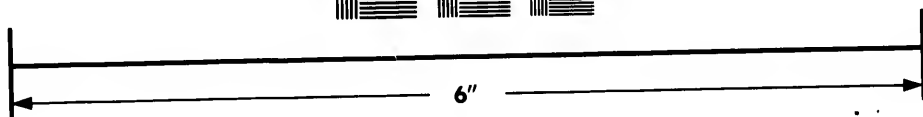
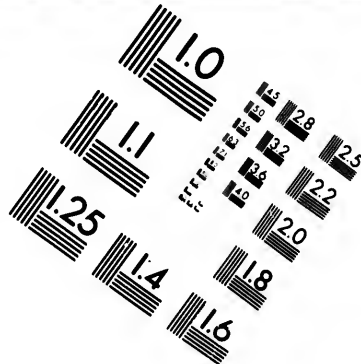




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THE ADMIRALTY LIST
OF THE
LIGHTS
IN
SOUTH AMERICA,
AND ON THE
WESTERN COAST OF
NORTH AMERICA.

CORRECTED TO JANUARY 1867.

BY
EDWARD DUNSTERVILLE, COMMANDER R.N.

HYDROGRAPHIC OFFICE, ADMIRALTY.

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Price Sixpence.

ncp
527
G786

F. Fixe
FL. Fla

F. & FL.

REV. R.

INT. Int

ALT. A

Abbreviations and Explanations.

LIGHTS.

- F.** Fixed or Steady.
FL. Flashing. Showing five or more flashes and eclipses alternately in a minute, as North Ronaldsha, Buchanness, Race Islands, &c.
F. & FL. Fixed light with a white or red flash in addition (preceded and followed by a short eclipse) at intervals of two, three, or four minutes, as Alpreck Point, Ile Vierge, &c.
REV. Revolving. Light gradually increasing to full effect and gradually decreasing to eclipse, at equal intervals of one, two, or three minutes, but occasionally as often as three times in a minute; as the Casquets, Cordonan, &c.
INT. Intermittent. Suddenly appearing in view, remaining visible for a certain time, and then as suddenly eclipsed for a shorter time, as at Burnham in the Bristol Channel, Mull of Galloway, Barra Head, Tarbet-ness, &c.
ALT. Alternating. Red and white light alternately at equal intervals, without any intervening eclipse, as Pontallac in the Gironde, &c.

Abbreviations.

B.	Brazilian.	Fr.	French.
B.A.	Buenos Ayrean.	P.	Peru.
B.O.	Banda Oriental.	R.	Russian.
C.	Chile.	U.S.	United States.
Du.	Dutch.	V.	Venezuela.
E.	English.		

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.

The Bearings are Magnetic, and are given from the Ship, not from the Light.

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

The distance the Lights are visible is calculated from a height of fifteen feet above the horizon at high water.

The Coloured Lights are specially noted by **CAPITALS** in the Remark Column.

* * It is requested that any errors or omissions in this work may be pointed out, by letter, to the Secretary of the Admiralty.

SOUTH AMERICA.

No.	Name of Light.	Place.	Latitude.	Longitude.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather
			° ' " North.	° ' " W.				
1	Trinidad. (E.)	Port España, on Jetty.	10 38 40	61 31 0	1 - - -	F.	- - -	10
2	Orinoco River, Light Vessel (V.) In 18 ft. water.	N. of Barima Point.	8 37 0	60 42 0	1 - - -	F.	- - -	8
3	DEMERARA (E.) Light Vessel. In 3½ fathoms.	On E. side of Entrance.	6 40 20	58 11 30	1 - - -	Rev.	Every minute	16
		Ship GUAYANA. N.N.E. ¼ E. about 10 miles from en- trance of River.	6 59 25	58 5 10	1 - - -	F.	- - -	12
	BERBICE. (E.) Light Vessel.	Moored close to E. Point of Entrance.	6 19 18	57 22 30	1 - - -	F.	- - -	10
6	Surinam. (Du.) Light Vessel in 4 fathoms.	Off. Brams Point, N.N.W ¼ W. 3 leagues.	6 4 0	55 9 30	1 - - -	F.	- - -	7
7		SALUT Islets. On W. end of Royale I., on summit of Hospital.	6 17 0	52 32 51	1 - - -	F.	- - -	18
8		Enfant Perdu. On a Islet, 6 miles N. of Cayenne.	6 2 40	52 15 51	1 - - -	F.	- - -	9
9	CAYENNE (Fr.)	Angle of Infantry Barracks.	4 56 10	52 18 37	1 - - -	F.	- - -	8
10		Cépérou Fort.	4 56 29	52 14 37	1 - - -	F.	- - -	10
11		Jetty, End of.	- - -	- - -	1 - - -	F.	- - -	-

BRAZIL.

No.	Name of Light.	Place.	South. 0 34 0	Latitude.	Longitude.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather
12	PARA. (B.)	ATALAIA POINT.	0 34 0	47 17 9	1 - - -	Rev.	Every two minutes.	17	
13	ITACOLOMI (B.)	On Point.	2 10 0	44 24 0	1 - - -	Rev.	Every one and a half minutes for forty-eight seconds.	15	
14	Alecatara. (B.)	On Point.	2 25 0	44 22 0	1 - - -	F.	- - -	-	
15	San Luiz, Maranhão. (B.)	San Marcos Fort.	2 29 0	44 18 0	1 - - -	F.	- - -	10	
16	SANT'ANNA (B.)	E. Part of Island.	2 16 30	43 38 25	1 - - -	Rev.	Every thirty- two seconds.	14	
17	Ceara. (B.)	Maricupe Point.	3 41 0	38 29 0	1 - - -	F.	- - -	10	
18	Goazalo River, Light Vessel (B.)	Off Entrance.	- - -	- - -	1 - - -	F.	- - -	-	

SOUTH AMERICA.

5

No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
1	Harbour Light.	Hexagonal Tower.	50	43	1841		Seen between the bearings of N.E. by N. and S.E. round by the W. Variation in 1867, 2½° E.
2	All night.	- - -	-	-	1846		Sunk in 1859, not likely to be replaced.
3	- - -	Octagonal Tower; Red and White alternately.	103	100	1829; alt ^d to a Rev. Lt. 1863.	D. 4th Ord.	A Semaphore on summit of Lighthouse. Variation in 1867, 2° E.
4	- - -	Red; with one mast and a Broad Pen- dant by day.	-	-	1844; imp ^d 1863		Pilots for Demerara and Essequibo Rivers are on board.
5	- - -	A Ball on the Foremast. Roofed over with a Jigger Mast aft.	-	-	1850		The Light bearing S.S.W. in 4 fathoms is the fair way into the Harbour. A Sloop Pilot Boat cruizes outside the Bar con- sistently, carrying a White Flag, with PILOT inscribed thereon.
6	- - -	Red Ball at the Masthead.	30	-	1859		SURINAM on the Vessel's sides. Varia- tion in 1867, 1° 30' E.
7	- - -	- - -	200	-	1864	C.	A rock of 12 feet, lies 2678 yards N. by W. ¼ W. from Lighthouse.
8	- - -	Iron Piles, Quadrangular.	61	-	1864	O.	
9	- - -	- - -	69	-	1850; imp ^d 1863	C.	GREEN Light. These two lights in one lead over the <i>Aimable Rock</i> , which is avoided by passing W. of this line.
10	- - -	Wooden frame.	130	40	1862	O.	
11	- - -	- - -	39	-	1862	C.	RED Light. Variation in 1867, 0° 22' W.

BRAZIL.

12	- - -	- - -	-	-	1852		Variation in 1867 2° W.
13	- - -	Square.	147	75	-		WHITE and RED alternately.
14	Harbour Light.	- - -	-	-	1860		A guide to the Anchorage before Alcantara.
15	- - -	- - -	-	-	1829	D. 1st Ord.	Variation in 1867 4° 20' W.
16	- - -	Square, White.	70	80	rebuilt 1861		
17	- - -	- - -	30	-	1847		
18	- - -	- - -	-	-	-		

SOUTH AMERICA.

No.	Name of Light.	Place.	Latitude. S.	Longitude. W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolutions or Flash.	Miles seen in clear Weather.
BRAZIL.								
19	Rio Grande do Norte. (B.)	Santos Reis Magos, Fortress of.	5 45 0	35 13 15	1 - - -	F.	- - -	12
20	PERNAMBUCO. (B.)	On Reef, 50 yards from Pucos Port.	8 3 42	34 51 42	1 - - -	Rev.	Every minute.	15
21	MACEIO. (B.)	A mile from Anchorage, W. part of Mountain.	9 30 30	35 39 14	1 - - -	F. & Fl.	A flash every two minutes.	22
22	Cotindiba Bar.	Watch Tower.	11 1 0	36 59 30	1 - - -	F.	- - -	0 to 9
23	BAHIA, OR SAN SALVADOR. (B.)	FORT SAN ANTONIO.	13 0 55	39 31 44	1 - - -	Rev.	Every eighty seconds.	18
24		Fort do Mar.	12 59 16	38 28 8	1 - - -	F.	- - -	-
25	MORRO DE SAN PAOLO. (B.)	ON MORRO.	18 22 35	38 51 48	1 - - -	Rev.	Every minute.	20
26	ABROLHOS ISLES. (B.)	SANTA BARBARA Island, highest Point.	17 57 42	38 41 30	1 - - -	Rev.	Every minute.	17
27	CAPE FRIO ISLAND. (B.)	FOCINHO DO CABO Point.	23 0 42	41 57 4	1 - - -	Rev.	Every minute and a half.	25
28	RAZA. (B.)	On Island.	23 5 45	43 8 17	1 - - -	Rev.	Every Two & quarter minutes.	10 to 14
29	Rio de Janeiro	(B.) Fort Santa Cruz, E. entrance.	22 56 36	43 7 17	1 - - -	F.	- - -	6
30		(B.) Cathabouco Point.	- - -	- - -	1 - - -	F.	- - -	-
31	SANTOS. (B.)	Moela Island.	24 2 0	46 13 0	1 - - -	F.	- - -	24
32	Pernambuco Bay, I. do. Mol.	On hillock N.E. part of islet.	25 31 20	48 16 0	1 - - -	F.	- - -	-
33	SANTA CATHERINA Island.	PONTA DOS NAU-FRAGADOS, South Point.	27 49 30	48 32 30	1 - - -	Rev.	Every minute.	18
34	RIO GRANDE DO SUL. (B.)	N. Point of entrance 1 1/2 mile from extremity of Point.	32 7 15	52 4 25	1 - - -	Rev.	Every two minutes.	14
35	PATOS LAKE.	Surenzoea. On Island.	31 14 0	52 9 40	1 - - -	- - -	- - -	-
36		Estreito. On Point.	31 48 30	51 50 0	1 - - -	- - -	- - -	-
37		Bojuru. (B.) On Point.	31 35 0	51 38 0	1 - - -	F.	- - -	-
38		Marea. (B.) On Cape.	- - -	- - -	1 - - -	F.	- - -	-
39		Christovão P. yerra. (B.) On Point.	31 26 0	51 24 0	1 - - -	F.	- - -	-
40		Ilha Negra. (B.) On Isle.	50 37 0	51 15 0	1 - - -	F.	- - -	-

Time seen in clear Weather.	Miles seen in clear Weather.	No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Lighthouse.	Height in feet, Centre of Lantern, above High Water.	Height in feet of Building from base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
BRAZIL.									
12		19	- - -	Round Tower.	43	-	Impr ^d 1800	C. 3rd Ord.	
15		20	- - -	- - -	-	-	1824		Twice WHITE and once a RED Light in succession, showing a light every minute. Variation in 1807 10½° W.
22		21	- - -	- - -	208	-	1856		Fixed Light 70°, eclipse 16°, flash 12° eclipse 22°.
6 to 9		22	- - -	- - -	115	-	1802		WHITE to S.E.; RED eastward; GREEN southward. Vessel should anchor with Red Light in sight in 4 fathoms; with White or Green Light in sight do not go into 5 fathoms.
18		23	- - -	- - -	140	-	1823		Twice WHITE and once a RED Light succeed each other, showing a light every 80 seconds.
		24	Harbour Light.	- - -	-	-	1864		RED Light.
20		25	- - -	White.	276	80	1854		Eclipse not total within 8 miles.
17		26	- - -	Iron. Circular.	189	51	1861	D. 1st Ord.	Variation in 1867 5° 35' W.
25		27	- - -	Circular.	522	53	1861	C. 1st Ord.	Visible on the bearings of S.W. to E. or 225°. Variation in 1867 24° W. Duration of the total eclipse is 45 seconds.
10 to 14		28	- - -	Red Square.	315	50	1828		WHITE and RED alternately.
6		29	All night.	- - -	-	-	1839		Longitude of Fort Villegagnon, 43° 6' 30"
		30	- - -	- - -	-	-	1850		RED Light.
24		31	- - -	White.	334	40	1831; impr ^d 1863	D. 1st Ord.	
		32	- - -	- - -	-	-	-		
18		33	- - -	Circular.	140	-	1861	C. 2nd Ord.	
14		34	- - -	- - -	96	-	1833; rebuilt 1831.	C. 2nd Ord.	Bright 70°, eclipsed 50°. Variation in 1867 5° 4' E.
		35	Harbour Light.	- - -	-	-	1800		
		36	Ditto.	- - -	-	-	1860		
		37	Ditto.	- - -	-	-	1860		
		38	- - -	- - -	-	-	1860		
		39	Ditto.	- - -	-	-	1860		
		40	Ditto.	- - -	-	-	1800		

No.	Name of Light.	Place.	Latitude.	Longitude	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather	No.	Harb.
			S.	W.						

BUENOS AYRES.

41	MALDONADO BAY. (B.O.)	EAST PO' ST.	34 53 0	54 56 0	1 - -	F.	- - -	20	41	-
42	FLORES. (H.O.)	On Island.	34 57 0	55 55 30	1 - -	Rev.	Every three minutes.	12	42	-
43	English Bank. Light Vessel in 7 fathoms. (B.O.)	On Tail. N. part of Bank.	35 6 0	55 54 30	1 - -	F.	- - -	8 to 10	43	-
44	Pañola Shoal. Light Vessel S.W. of	A cable's length N.N.W. $\frac{1}{2}$ W. of shoal.	- - -	- - -	1 - -	F.	- - -	5 or 6	44	-
45	MONTE VIDEO. (B.O.)	W. side of Harbour, on Mount.	34 53 16	56 14 30	1 - -	F. & Fl.	A flash every three minutes for 15 seconds.	25	45	-
46		Cathedral S. Tower.	34 54 20	56 12 30	1 - -	F.	- - -	- -	46	-
47	Main Bank. Light Vessel in 3 $\frac{1}{2}$ fms. (B.A.)	N. E. $\frac{1}{2}$ N. 8 miles from Indio Point.	35 11 30	57 1 15	1 - -	F.	- - -	8 to 10	47	-
48	Chico Bank. Light Vessel in 4 fathoms. (B.O.)	N. E. $\frac{1}{2}$ N. from Point Atalaya, 11 $\frac{1}{2}$ miles.	34 46 45	57 29 20	1 - -	F.	- - -	8 to 10	48	-
49	Colonia. (B.O.)	S.W. angle of Plaza.	34 28 10	57 49 42	1 - -	Rev.	Every three minutes.	10	49	A
50	Buenos Ayres. In 2 $\frac{1}{2}$ fathoms. (B.A.)	Guard Ship outer Roads.	34 34 30	58 16 0	1 - -	F.	- - -	7	50	-

PATAGONIA.

51	FALKLAND ISLANDS. (E.)	Pembroke Capo.	51 40 40	57 41 48	1 - -	F.	- - -	14	51	-
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CHILE.

52	Chiloe Island, N. part, San Carlos de Arcud. (C.)	Huapilacuy, or Punta Corona.	41 46 45	73 55 45	1 - -	F. & Fl.	A flash every two minutes.	12	52	-
53	Valdivia.	Niebla Fort Point.	39 53 41	73 24 30	1 - -	F. & Fl.	- - -	8	53	-
54	Concepcion Bay. Quiriquina I. (C.)	Talcahuano.	39 36 0	73 6 0	1 - -	- - -	- - -	- -	54	-
55	VALPARAISO (C.)	ANGELES, or PLAYA ANCHA POINT.	33 1 10	71 41 30	1 - -	F. & Fl.	A flash every minute.	20	55	-
56	Huasca. (C.)	- - -	28 28 0	71 19 0	1 - -	- - -	- - -	- -	56	-
57	Caldera. (C.)	- - -	27 3 0	70 56 0	1 - -	- - -	- - -	- -	57	-

Value of Illumination.	Miles seen in clear Weather.	No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year Lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
BUENOS AYRES.									
Flash.	20	41	- - -	- - -	152	90	1860	D. Ord.	Variation in 1867 $8\frac{1}{2}^{\circ}$ E.
Flash three times.	12	42	- - -	White.	104	65	1853		Not to be depended on.
Flash 8 to 10	8 to 10	43	- - -	Red with three masts.	-	-	1867; removed 1865		Position not <i>always</i> to be depended on. Variation in 1867 $9^{\circ} 0'$ E.
Flash 5 or 6	5 or 6	44	- - -	- - -	17	-	1868		
Flash three times for seconds.	25	45	- - -	Brown.	486	25	Rebuilt 1852	C. 1st Ord.	The flash of 15' is preceded and followed by a short eclipse. Dial plate of clock in the South Tower of Cathedral lighted by gas, which enables vessels to anchor by cross bearings by night
Flash 8 to 10	8 to 10	46	- - -	- - -	147	-	1862		
Flash 8 to 10	8 to 10	47	- - -	Has three masts.	about 30	-	1849; improved 1857.		A black ball at the foremast head. When pilots are on board, a Red and White diagonal flag is hoisted. The Vessel is frequently passed without being seen. Variation in 1867 $9^{\circ} 35'$ E.
Flash 8 to 10	8 to 10	48	- - -	Has two masts.	about 20	-	1857		After bad weather the position of this light is not to be depended on.
Flash three times.	10	49	All night.	Dull brick.	110	-	1846; improved 1855.		
Flash 7	7	50	- - -	Three masts.	about 20	-	1857		Variation in 1867, 10° E.
PATAGONIA.									
Flash 14	14	51	- - -	Circular. Iron. White and Red Bands.	110	60	1855	C. 1st Ord.	Seen from seaward in every direction, and dark only between N.W. $\frac{1}{4}$ N. and S.W. $\frac{1}{4}$ W. Dark towards Ports William and Stanley (which are Free Ports). Variation in 1867 $15\frac{1}{2}^{\circ}$ E.
CHILE.									
Flash by two times.	12	52	- - -	Circular. White. Lantern Green.	197	32	1859	B. 4th Ord.	When the Light bears S.E. by E. you may haul to Southward.
Flash 8	8	53	- - -	Square. Wood. White.	121	24	1866	D.	
Flash 20	20	54	- - -	- - -	-	-	-		Proposed.
Flash very minute.	20	55	- - -	Circular. White.	197	61	1838; rebuilt 1857.	D. 4th Ord.	The flash is preceded and followed by a short eclipse. In coming from the Southward the Light does not open of Curanilla Point until it bears to Eastward of N.N.E. $\frac{1}{4}$ E. Variation in 1867 $16\frac{1}{2}^{\circ}$ E.
Flash 20	20	56	- - -	- - -	-	-	-		Proposed.
Flash 20	20	57	- - -	- - -	-	-	-		Proposed.

10 NORTH AMERICA, SOUTH AND NORTH PACIFIC OCEAN.

No.	Name of Light.	Place.	Latitude.	Longitude. W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash, Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather
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PERU.

58	CALLAO.	LORENZO I. N. Point.	South. 12 4 0	77 19 30	1 - - -	F.	- - -	12
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ECUADOR.

59	GUAYAQUIL (P.)	Near centre Santa Clara Island.	3 10 0	80 26 0	1 - - -	F.	- - -	-
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COSTA RICA.

60	Nicoya Gulf.	Punta Arenas.	North. 9 59 34	84 49 21	1 - - -	F.	- - -	0
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MEXICO.

61	Acapulco.	Summit Roqueta Is- land.	16 50 15	99 52 0	1 - - -	F.	- - -	4 or 5
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CALIFORNIA.

62	SAN DIEGO. (U.S.)	Near Point LOMA. W. side entrance.	32 40 15	117 13 30	1 - - -	F.	- - -	25
63	San Pedro. (U.S.)	Fermin Point.	33 46 0	118 18 0	- - - -	- - - -	- - - -	-
64	HUENME. (U.S.)	On Point.	- - -	- - -	- - - -	- - - -	- - - -	-
65	Santa Barbara (U.S.)	On bluff, 2 miles S.W. of landing place.	34 23 35	119 42 5	1 - - -	F.	- - -	12
66	CONCEPTION. (U.S.)	On Point.	34 26 47	120 25 33	1 - - -	Rev.	Every half minute.	23
67	MONTEREY. (U.S.)	Point Pinos, S. side.	36 33 0	121 54 0	1 - - -	F.	- - -	13
68	Santa Cruz Har- bour. (U.S.)	- - - -	- - -	- - -	- - - -	- - - -	- - - -	-
69	FARRALLON. (U.S.)	Highest peak of the largest and S.E. Islet.	37 41 40	122 50 5	1 - - -	Rev.	Every minute.	26

OCEAN.

NORTH AMERICA, SOUTH AND NORTH PACIFIC OCEAN. 11

No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus	REMARKS.
PERU.							
58	- - -	Wood, Octagonal Form.	980	60	1837		Not visible from N.W. $\frac{1}{2}$ N. to W. by N. $\frac{1}{2}$ N. just open on latter bearing will lead through Boqueron Channel in 14 fathoms.
ECUADOR.							
59	- - -	- - -	- - -	- - -	1847		Variation in 1867 $9^{\circ} 57'$ E.
COSTA RICA.							
60	- - -	White.	65	- -	1850	D. 3rd Ord.	
MEXICO.							
61	- - -	- - -	About 300 feet.	- -	1858		For Mail Steamers when expected. Vari- ation 1867 $8^{\circ} 20'$ E.
CALIFORNIA.							
62	- - -	Stone, Dark.	Mean sea level 457	35	1855	D. 3rd Ord.	On Keeper's dwelling. Give Loma Point a berth of half a mile. Variation in 1867 $18^{\circ} 50'$ E.
63	- - -	- - -	- - -	- -	- -	- -	<i>Proposed.</i>
64	- - -	- - -	- - -	- -	- -	- -	<i>Proposed.</i>
65	- - -	Gray.	180	31	1856	D. 4th Ord.	RED light on Keeper's dwelling.
66	- - -	White.	230	35	1855	D. 1st Ord.	On Keeper's dwelling. Fog Bell struck by Machinery.
67	- - -	Gray.	91	35	1854	D. 3rd Ord.	On Keeper's dwelling. Variation in 1867 $15^{\circ} 10'$ E.
68	- - -	- - -	- - -	- -	- -	D. 4th Ord.	<i>Proposed.</i>
69	- - -	Brick.	360	20	1853	D. 1st Ord.	

12 NORTH AMERICA AND NORTH PACIFIC OCEAN.

No.	Name of Light.	Place.	Latitude. N.	Longitude W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather
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CALIFORNIA.

70	SAN FRANCISCO. (U.S.)	BONITA or N. Point.	37 49 4	122 30 50	1 - - -	F.	- - -	24	
71		LOBOS, on Point.	- - -	- - -	- - -	F. & Fl.	- - -	-	
72		Fort or S. Point.	37 43 31	122 27 38	1 - - -	F.	- - -	17	
73		Alcatraz Island.	37 43 27	122 24 19	1 - - -	F.	- - -	14	
74	REYES. (U.S.)	On Point.	37 59 37	123 0 16	1 - - -	F. & Fl.	A flash every 15 seconds.	-	
75	MENDOCINO. (U.S.)	On Cape.	40 29 0	124 32 0	1 - - -	- - -	- - -	-	
76	HUMBOLDT HARBOUR. (U.S.)	N. side of Entrance.	40 46 4	124 12 10	1 - - -	F.	- - -	12	
77	Crescent City. (U.S.)	Seaward extremity of Island point, forming southern and western side of Harbour.	41 44 34	124 11 22	1 - - -	F. & Fl.	A flash every minute and a half.	14	
77*	Cape Gregory or Arago Point.	Small Island, Western extremity.	43 20 38	124 22 20	1 - - -	Fl.	Every two minutes a flash of three seconds.	15	
78	C. HANCOCK. (U.S.)	On pitch of Cape, Columbia River.	46 16 35	124 2 0	1 - - -	F.	- - -	22	
79	SHOALWATER BAY.	North Cape.	46 44 11	124 2 24	1 - - -	F. & Fl.	Every minute and half.	14	
80	JUAN DE FUCA STRAIT.	CAPE FLATTERY. (U.S.)	Tatouic Island, Toke Point, highest Point. $\frac{1}{2}$ a mile N.W. of Cape.	48 23 20	124 43 48	1 - - -	F.	- - -	19
81		New Dungeness. (U.S.)	N. end of Sand Spit. $\frac{1}{4}$ of a mile.	48 10 59	123 6 7	1 - - -	F.	- - -	14
82		BLUNT OR SMITH ISLAND. (U.S.)	Highest part.	48 19 11	122 50 0	1 - - -	Rev.	Every half minute.	13
83		RED BLUFF. Puget Sound.	ADMIRALTY HEAD, WHIDBEY ISLAND.	48 9 21	122 40 8	1 - - -	F.	- - -	17

No.	Harb is
70	-
71	-
72	-
73	-
74	-
75	-
76	-
77	-
77*	-
78	-
79	-
80	-
81	-
82	-
83	-

al of ution ash.	Miles seen in clear Weather	No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
CALIFORNIA.									
-	24	70	- - -	White. Brick Tower.	Mean sea level 306	45	1855	D. 2nd Ord.	Fog Bell struck by Machinery. Variation in 1867 15½° E.
-	-	71	- - -	- - -	- - -	- - -	- - -	D. 2nd Ord.	Building. Fog Bell.
-	17	72	- - -	Iron, White.	137	121	1855	D. 5th Ord.	Fog Bell struck by machinery, and a Fog Horn sounded every five minutes.
-	14	73	- - -	White.	166	30	1854	D. 3rd Ord.	Fog Bell struck by machinery.
ash y 15 nds.	-	74	- - -	- - -	- - -	- - -	- - -	D. 2nd Ord.	Building.
-	-	75	- - -	- - -	- - -	- - -	- - -	D. 1st Ord.	Building.
-	12	76	- - -	White. Lantern Red.	53	45	1850	D. 4th Ord.	On Keeper's dwelling. Variation in 1867 18½° E.
ash minute half.	14	77	- - -	Stone.	80	35	1856	D. 4th Ord.	On Keeper's dwelling. The flash is pre- ceded and followed by a short eclipse.
y two ies a thro nds.	15	77*	- - -	Iron, Octagon White. Domo of Lan- tern Red.	75	-	1806	[D. 4th Ord.	Variation in 1867 18½° E. Keeper's dwel- ling White on S. extremity of island, about 350 yards from light.
-	22	78	- - -	White.	230	40	1858	D. 1st Ord.	Fog Bell struck by machinery. Variation in 1867 20½° E.
minute half.	14	79	- - -	Stone.	80	35	1856	D. 4th Ord.	On Keeper's dwelling.
-	19	80	- - -	White. Lantern Red.	102	64	1867	D. 1st Ord.	On Keeper's dwelling.
-	14	81	- - -	Upper half, Black. Lower half, White. Lantern Red.	100	89	1837	D. 3rd Ord.	On Keeper's dwelling, a Fog Bell at outer end of Spit, rung every ten seconds, and Horn sounded every five minutes.
half ute.	15	82	- - -	White. Lantern Red.	90	35	1858	D. 4th Ord.	On Keeper's dwelling.
-	17	83	- - -	White. Lantern Red.	110	41	1860	D. 4th Ord.	On Keeper's dwelling, illuminated 270° of horizon.

No.	Name of Light	Place.	Latitude. W.	Longitude. E.	Number of Lights, and Relative Positions	Fixed, Flashing, Flx & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather.
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BRITISH COLUMBIA.

84	VANCOUVER I. GULF OF GEORGIA.	RACE IS- LANDS.	On Rocks.	48 17 36	123 32 15	1 - - -	Fl.	White flash every ten seconds.	18
85		Esquimalt. (E.)	Fisgard Island Sum- mit. S. Point.	48 25 38	123 27 17	1 - - -	F.	- - -	10
86		Fraser River Light Vessel in 10 fa- thoms.	South Sand Heads	49 3 30	123 17 16	1 - - -	F.	- - -	11

SOCIETY ISLANDS.

87	TAHITI.	Venus Point.	17 30 0	149 29 0	1 - - -	F.	- - -	0
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HAWAII GROUP, OR SANDWICH ISLANDS.

88	KARAKAKOA B., Hawaii or Owhyhee I.	- - -	19 23 0	155 55 0	1 - - -	- - -	- - -	- - -
89	C. Kawaihoa, Oonohow I.	- - -	21 45 0	160 12 0	1 - - -	- - -	- - -	- - -

EASTERN PART OF ASIA.

90	AVATCHKA GULF.	DALNI. (R.)	On E. side of En- trance	52 52 51	158 47 2	1 - - -	F.	- - -	24
91		BABOUSHKIN POINT. (R.)	On second Point of W. side of Entrance.	52 54 45	158 42 37	1 - - -	F.	- - -	10
92		RAKOF. (R.)	On Signal Station, about half a mile S. of Entrance to Ra- kovya Harbour.	52 37 32	158 43 37	1 - - -	F.	- - -	22

No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
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BRITISH COLUMBIA.

84	-	-	-	Tower, Stone, with 5 Alternate Horizontal Bands, Black and White. White, Iron, Lantern, Red.	118	-	-	1861	D. 2nd Ord.	Fog bell. S.E. by E., 3 or 4 cables length is a reef, having 5 feet thereon. Variation in 1867 21° E.
85	-	-	-		70	57		1860	D. 4th Ord.	Variation in 1867 22° 0' E. It shows WHITE when bearing from N. ½ W. to N. W. by W. ½ W., and RED towards harbour, or from N.W. by W. ½ W. round west to S.S.E. ½ E. Eclipsed to the westward. GREEN between N. by E. ½ E., and N. ½ W.
86	-	-	-	Red, with two Masts. On the mainmast is a Ball.	About 54	-	-	1860	C. 6th Ord.	Name on her sides WHITE. Bell in foggy weather sounded. Variation in 1867 22° 50' E.

SOCIETY ISLANDS.

87	-	-	-	-	-	-	-	-	1850	Variation in 1867 7° 45' E.
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HAWAII GROUP, OR SANDWICH ISLANDS.

88	-	-	-	-	-	-	-	-	-	Building. On Point where Captain Cook, R.N., was killed.
89	-	-	-	-	-	-	-	-	-	Building. Variation in 1867 9° 10' E.

EASTERN PART OF ASIA.

90	-	-	-	-	-	440	21	-	-	Visible on the bearings of E. by N. round Southerly to N.W. ½ W. A telegraph communication with Petropaulski. Va- riation in 1867 4° E. These Lights are included in this list to accompany the Charts issued to Her Majesty's Ships on the Pacific Station.
91	-	-	-	-	-	204	9	-	-	
92	-	-	-	-	-	578	9	-	-	

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TO THE

LIGHTS

IN

SOUTH AMERICA, AND ON THE WESTERN COAST OF NORTH AMERICA.

JANUARY 1867.

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