

AN
ANALYTICAL DIGEST
OF THE

Indian Merchant Shipping Act.

(BEING ACT I OF 1859.)

WITH NOTES OF DECISIONS

COMPILED AND ARRANGED,

BY

J. D. VAUGHAN, Esquire,

Master Attendant and Shipping Master at Singapore,

AND

R. C. WOODS, Esquire,

Of Her Majesty's Supreme Court of Judicature
at Singapore.

1859.

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SINGAPORE: PRINTED AT THE TIMES PRESS,

By W. B. COOPER.



1100.31(1-7)

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MERCHANT SHIPPING ACT OF INDIA.

No. I. OF 1859.

*Passed by the Governor General of India
in Council, on the 25th Jan., 1859.*

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OMISSIONS.

- Sec. 13. No Foreign going ship or Home-trade ship of a burden exceeding three hundred tons shall go to sea from any Port in India, unless the master and Officer besides the master have obtained and possess valid and appropriate certificates either of competency or service under this Act, or under the Merchant Shipping Act 1854; and whoever, having been engaged to serve as master or mate, goes to sea as aforesaid as such master or mate without being at the time entitled to and possessed of such a certificate as hereinbefore required, and whoever employs any person as such master or mate without ascertaining that he is at the time entitled to and possessed of such certificate, shall for each such offence be liable to a penalty of five hundred Rupees.
- Sec. 34. The master shall at the commencement of every voyage or engagement, cause a legible copy of the agreement, and if necessary a translation thereof in a language understood by the majority of the crew (omitting the signatures,) to be placed or posted up in such part of the ship as to be accessible to the crew, and in default shall for each offence incur a penalty not exceeding fifty Rupees.
- Sec. 82. The local Government may suspend or cancel the certificate (whether of competency or service) granted under this Act to any master or mate in the following cases; (that is to say)—
1. If upon any investigation made in pursuance of the last preceding Section, he is reported to be incompetent, or to have been guilty of any gross act of misconduct, drunkenness, or tyranny.
 2. If upon any investigation conducted under the provisions of Sections C, CI, and CII of this Act, it is reported that the loss or abandonment of or serious damage to any ship, or loss of life, has been caused by his wrongful act or default.
 3. If upon any investigation conducted under the provisions of the Merchant Shipping Act 1854, or upon any investigation made by a Naval Court constituted as is provided by the said Act or any other law for the time being in force, or upon any investigation made by any Court or tribunal authorized or hereafter to be authorized by the Legislative Authority in any British possession to make enquiry into charges of incompetency or misconduct on the part of masters or mates of ships or as to ship wreck or

other casualties affecting ships, it is reported in the loss or abandonment of, or serious damage to any ship, or loss of life, has been caused by his wrongful act or default or that he has been guilty of any gross act of misconduct, drunkenness, or tyranny: Provided always that, in the case of any report by any such last mentioned Court or tribunal, the report shall have been confirmed by the Governor or person administering the Government of such possession.

4. If he is superseded by the order of any Admiralty Court or of any Naval Court constituted as is provided by the Merchant Shipping Act, 1854, or any other law for the time being in force.

5. If he is shown to have been convicted of any offence.

And every master or mate whose certificate is cancelled or suspended shall deliver it to the Shipping Master or to such other person, as the local Government shall direct, and in default shall for each offence incur a penalty not exceeding five hundred Rupees; and the local Government may at any subsequent time grant to any person whose certificate has been cancelled, a new certificate of the same or of any lower grade.

Sec. 83. Whenever any seaman who has been lawfully engaged, or any apprentice to the sea-service, commits any of the following offences, he shall be liable to be punished summarily as follows; (that is to say)—

1. For desertion he shall be liable to imprisonment for any period not exceeding twelve weeks, with or without hard labor, and also to forfeit all or any part of the clothes and effects he leaves on board, and all or any part of the wages or emoluments which he has then earned, and also, if such desertion takes place at any Port or place not in India, at the discretion of the Court, to forfeit all or any part of the wages or emoluments he may earn in any other ship in which he may be employed until his next return to any Port or place in India, and to satisfy any excess of wages paid by the master or owner of the ship from which he deserts, to any substitute engaged in his place at a higher rate of wages than the rate stipulated to be paid to him.

2. For neglecting or refusing without reasonable cause to join his ship or to proceed to sea in his ship, or for absence without leave at any time within twenty-four hours of the ship's sailing from any Port either at the commencement or during the progress of any voyage, or for absence at any time without leave and without sufficient reason from his ship or from his duty not amounting to desertion or not treated as such by the master, he shall be liable to imprisonment for any period not exceeding ten weeks, with or without hard labor, and also, at the discretion of the Court, to forfeit out of his wages a sum not exceeding the amount of two days' pay, and in addition for every twenty-four hours of absence either a sum not exceeding six days' pay or any expenses which have been properly incurred in hiring a substitute.

3. For quitting the ship without leave after her arrival at her Port of delivery and before she is placed in security, he shall be liable to forfeit out of his wages a sum not exceeding one month's pay.
 4. For wilful disobedience to any lawful command he shall be liable to imprisonment for any period not exceeding four weeks, with or without hard labor, and also, at the discretion of the Court, to forfeit out of his wages a sum not exceeding two days pay.
 5. For continued wilful disobedience to lawful commands, or continued wilful neglect of duty, he shall be liable to imprisonment for any period not exceeding twelve weeks, with or without hard labor, and also at the discretion of the Court, to forfeit for every twenty-four hours' continuance of such disobedience or neglect, either a sum not exceeding six days' pay, or any expences which have been properly incurred in hiring a substitute.
 6. For assaulting any master or mate he shall be liable to imprisonment for any period not exceeding twelve weeks, with or without hard labor.
 7. For combining with any other or others of the crew to disobey lawful commands, or to neglect duty or to impede the navigation of the ship or the progress of the voyage, he shall be liable to imprisonment for any period not exceeding twelve weeks, with or without hard labour.
 8. For wilfully damaging the ship or embezzling or wilfully damaging any of her stores or cargo, he shall be liable to forfeit out of his wages a sum equal in amount to the loss thereby sustained, and also, at the discretion of the Court, to imprisonment for any period not exceeding twelve weeks, with or without hard labour.
 9. For any act of smuggling of which he is convicted, and whereby loss or damage is occasioned to the master or owner, he shall be liable to pay to such master or owner such a sum as is sufficient to reimburse the master or owner for such loss or damage; and the whole or a proportionate part of his wages may be retained in satisfaction or on account of such liability, without prejudice to any further remedy.
- Sec. 88. If any seaman or apprentice is imprisoned on the ground of his having neglected or refused to join or to proceed to sea in any ship in which he is engaged to serve, or of having deserted or otherwise absented himself therefrom without leave, or of his having committed any other breach of discipline, and if during such imprisonment and before his engagement is at an end his services are required on board his ship, any Magistrate may, at the request of the master or of the owner or his agent, cause such seaman or apprentice to be conveyed on board his said ship for the purpose of proceeding on the voyage, or to be delivered to the master or any mate of the ship or to the owner or his agent, to be by them so conveyed, notwithstanding that the termination of the period for which he was sentenced to imprisonment has not arrived.
- Sec. 92. Whenever any seaman contracts for wages by the

voyage or by the run or by the share, and not by the month or other stated period of time, the amount of forfeiture to be incurred under this Act shall be taken to be an amount bearing the same proportion to the whole wages or share as the period hereinbefore mentioned in fixing the amount of such forfeiture (as the case may be) bears to the whole time spent in the voyage and if the whole time spent in the voyage does not exceed the period for which the pay is to be forfeited, the forfeiture shall extend to the whole wages or share.

Sec. 108. All entries made in any official log-book as hereinbefore directed shall be received in evidence in any proceeding in any Court of Justice, subject to all just exceptions.

Sec. 109. The master of every Foreign going ship shall, within forty-eight hours after the ship's arrival at her final Port of destination in India, or upon the discharge of the crew, whichever first happens, deliver to the Shipping Master before whom the crew is discharged the official log-book of the voyage; and the master or owner of every Home-trade ship of a burden exceeding three hundred tons shall within twenty-one days after the 30th day of June and the 31st day of December in every year, transmit or deliver to some Shipping Master in India the official log-book for the preceding half year; and every master or owner who refuses or neglects to deliver his official log-book as hereby required, shall be subject to a penalty not exceeding two hundred Rupees.

ERRATA.

- Page 15.—Under Coin current, instead of “on pressing his wages,” &c., read “expressing” his wages, &c.
- “ 17.—Under Crew, instead of “their crew” read “the crew.”
- “ 17.—Under Crew, instead of, “every master of ships crew,” read “every master.”
- “ 31.—Under Governor General of India, instead of “which is to be sent on ship,” &c.; read, “which is to be sent to Shipping Master,” &c.,
- “ 33.—Under Illness, read Section 69 instead of 59.
- “ 34.—Under Imprisonment, read Clause 8, instead of Clause 9, Section 83.
- “ 34.—Ditto, read Clause 7, instead of Clause 8, Section 83.
- “ 38.—Under Local Government, instead of Section 11, read Sections 11 and 12.
- “ 38.—Under Lodging House Keepers, instead of Section 8, read Section 78.
- “ 44.—Under Master, instead of Section 95, read Section 96.
- “ 47.—Instead of Sections 72, 86, and 89, read Sections 72, 86, and 89.
- “ 47.—Instead of Sec. 80, read Sections 80 & 82.
- “ 55.—Under Penalty, instead of “on shipping,” read “on discharging him.”
- “ 63.—Under Probate, after the para. read Section 62.
- “ 64.—Under Seaman, for Section 68, read Section 88.
- “ 69.—Under Shipping Master, read Section 44, omitted after the para.
- “ 70.—Under Shipping Master, for “is made” read “is not made.”
- “ 70.—Ditto instead of Section 6, read Sec. 60.
- “ 73.—Under Substitutes, instead of Section 2, read Section 22.
- In Index, opposite Preliminary, title of Act and Preamble, read page 60.
- In Index, the figure X. omitted in Section 17, page 11, between the words “Act” and “of.”

BUOYS, BEACONS,

AND

LIGHT VESSELS,

UNDER THE JURISDICTION AND SUPERINTENDENCE OF THE

HON. CORPORATION OF TRINITY HOUSE

OF

DEPTFORD STROND

COMMENCING A.D. 1684.

Corrected to May 1st, 1876.

SMITH AND EBBES: 5, POSTERN ROW, TOWER HILL.

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SYSTEM OF BUOYAGE

IN USE BY THE CORPORATION OF TRINITY HOUSE,
IN BUOYING NEW CHANNELS.

APPROVED BY THE ADMIRALTY AND THE BOARD OF TRADE.

Side of Channel. The side of the Channel is to be considered Starboard, or Port, with reference to the entrance to any Port from Seaward.

Entrances to Channels, Beacons, Buoys. The entrances of Channels, or turning points, shall be marked by Conical Buoys with or without Staff and Globe, or Triangle, Cage, &c.

Single-colored Buoys to Starboard, and Striped or Chequered to Port. Single-colored Can Buoys, either Black or Red, will mark the Starboard side, and Buoys of the same shape and color either chequered or Vertically striped with White will mark the Port side: further distinction will be given when required by the use of Conical Buoys with or without Staff and Globe, or Cage: Globes being on the Starboard hand and Cages on the Port hand.

Conical Buoys, with Globes on Starboard, and with Cages on Port hand. Where a Middle Ground exists in a Channel, each end of it will be marked by a Buoy of the color in use in that Channel, but with Annular Bands of White, and with or without Staff and Diamond or Triangle as may be desirable: in case of its being of such extent as to require intermediate Buoys, they will be colored as if on the sides of a Channel. When required, the outer Buoy will be marked by a Staff and Diamond and the inner one by a Staff and Triangle.

Middle Ground in Channels, marked by Buoys with Annular Bands of White. Where of such extent as to require its sides being buoyed, to be marked as the sides of Two Channels, Port side of one Channel and Starboard side of the other respectively.

Wrecks. Wrecks will still continue to be marked by Green Nun Buoys.

ABBREVIATIONS.

B, Bridle	M, Mushroom
Bk, Black	LWST, Low Water Spring Tides
C, Can	MG, Mast and Globe
CB, Convex Bottom	MT, Mast and Triangle
Cl, Conical	P, Previously to
Cr, Can reversed	R, Relaid
Cy, Cylinder	S, Stone
EB, Egg Bottom	SC, Staff and Cage
FB, Flat Bottom	SD, Staff and Diamond
G, Ground	SG, Staff and Globe
H, High,	Sx, Staff and Cross
HB, Hollow Bottom	Sph, Spherical
HWST, High Water Spring Tides	ST, Staff and Triangle
I, Iron	W, White
L, Low	W, Wood (Light Vessels)

NAME.	Size in Feet	Description.	Colour.	Material.
<i>South Side.</i>	Ft. in.			Sea
Jenkin	8 0	Cy	Bk & W. cheqd.	Iron
Nore Sand	7 0	Can	Bk & W striped.	Wood
<i>North Side.</i>				
River Middle	8 0	Can	Black	Wood
East River Middle ...	8 0	CB Cl. S.D.	Bk & W rings...	Iron
Spit (off Leigh)	6 0	Can	Black	Wood
West Shoebury	7 0	Can	Black	Wood
Middle Shoebury ...	7 0	Can	Black	Wood
<i>South Side.</i>		From the Nore through the Oaze		
Cant	7 0	Can	Bk & W cheqd..	Wood
East Spile	7 0	Can	Bk & W striped	Wood
Redsand	7 0	Can	Bk & W cheqd...	Wood
Shivering Sand	12 0	Bell Buoy S.C...	Bk & W striped	Iron
<i>North Side.</i>				
West Oaze	8 0	FB Cl. S.T.	Bk & W rings...	Iron
Middle Oaze	7 0	Can	Black	Wood
East Oaze	8 0	HB Cl. S.D. ...	Bk & W rings..	Iron
<i>East Side.</i>				Knob
North Knob	7 0	Can	Black	Wood
Knob	7 0	Can	Black	Wood
<i>West Side.</i>				
North Oaze.....	8 0	Can	Bk & W striped	Wood
<i>North Side.</i>			Alexandra	
N.W. Shingles	8 0	CB Cl. S.G.	Red	Iron
West Shingles	8 0	Can	Red	Wood
Shingles Elbow	8 0	Can	Red	Wood
S.W. Shingles	8 0	Can	Red	Wood
South Shingles	8 0	Can	Red	Wood
Shingles Spit	8 0	Cr. Cl.	Red	Wood
<i>South Side.</i>				
North Girdler	8 0	Can	Red & W striped	Wood
Girdler Elbow	8 0	Can	Red & W striped	Wood
N.E. Girdler	8 0	Can	Red & W striped	Wood
Girdler Spit	8 0	Can	Red & W striped	Wood

Mooringa.		Depth of Water J.W.S.T. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Reach.					
12	12	21	1828	1864	Colour altered.....1870
10	10	16	P 1684	1806	Colour altered.....1870
12	12	14	P 1684	1842	Colour altered.....1870
16	15	23	1835	1848	{ Colour altered.....1870 Cl. S.D. since.....1872
10	6	6	1842	1869	
10	12	24	1842	1862	
10	10	27	1780	.....	
Deep to Shivering Sand.					
10	10	24	1805	.....	Colour altered.....1870
10	10	19	1840	.....	Colour altered.....1870
10	10	22	P 1684 } R 1846 }	 {	Colour altered.....1870
					Discontinued .....1839
30	20	21	1776	1863	SG 1812 SC 1870
16	15	27	P 1684	.....	Bell Buoy .....1873
10	10	21	1840	.....	ST and Colour altered 1870
12	12	20	P 1684	1863	Colour altered.....1870
					Colour altered.....1870
					SG 1850 SD 1870
Channel.					
10	14	24	1844	1863	Colour altered.....1870
12	12	19	1776	1851	Colour altered.....1870
12	15	35	1873	.....	
Channel.					
14	14	42	1861	.....	SG .....1870
12	12	24	1861	1874	
12	12	27	1871	1874	
12	12	24	1861	1874	
12	12	24	1847	1874	{ Name altered from Shingles .....1861
12	15	36	1861	1871	
					Conical since .....1872
12	15	30	1861	1872	Colour altered.....1870
12	14	24	1861	1872	Colour altered.....1870
12	15	30	1861	.....	Colour altered.....1870
12	12	24	1851	1861	Colour altered.....1870

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>West Side.</i>				
	Ft. in.	From the Oaze Deep to the		
East Gilman	7 0	Can	Bk & W cheqd.	Wood
<i>East Side.</i>				
West Girdler	8 0	Sph	Black	Iron
<i>South Side.</i>				
				Prince's
North Pansand	8 0	Can	Bk & W striped	Wood
N.E. Pansand	8 0	Can	Bk & W cheqd..	Wood
North Tongue	8 0	CB Cl. SC	Bk & W striped	Iron
N.E. Tongue	8 0	Cy	Bk & W striped	Iron
Tongue Knoll	17 0	HB Cl	Bk & W rings...	Iron
<i>North Side.</i>				
South Girdler	8 0	Can	Black	Wood
S.E. Girdler	8 0	Can	Black	Wood
S.E. Shingles	8 0	CR Cl SG	Black	Wood
<i>North Side.</i>				
				Queen's
West Pansand	9 0	CB Cl SG	Red	Wood
Pansand Spit	7 0	Can	Red	Wood
Pan Patch	7 0	Can	Red	Wood
West Tongue	7 0	Can	Red	Wood
East Tongue	8 0	Can	Red & W rings.	Wood
<i>South Side.</i>				
South Knoll	7 0	Can	Red & W cheqd.	Wood
Wedge	7 0	Can	Red & W striped	Wood
North Spit	7 0	Can	Red & W cheqd.	Wood
<i>East End of</i>				
North-East Spit ...	20 0	HB Cl	Red & W striped	Iron
East Margate	8 0	CB Cl SD	Red & W rings..	Iron
<i>South Side.</i>				
				Four Fathoms
West Spaniard	9 0	EB Cl	Bk & W striped.	Iron
Middle Spaniard ...	7 0	Can	Bk & W cheqd..	Wood
East Spaniard	8 0	CB Cl SC	Bk & W striped.	Iron

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removals.	REMARKS.
Sinker, Cwt.	Chain. Fms.				
Entrance of Prince's Channel.					
10	8	19	1839	1863	Colour altered..... 1870
16	10	21 {	P 1776 R 1855	1825 {	Discontinued..... 1848 Colour altered 1870
Channel.					
12	12	30	1846	.....	Colour altered 1870
12	15	45	1846	.....	Colour altered 1870
30	30	36	1846	1855 {	SG 1850 SC 1870 Colour altered 1870
14	12	27	1846	1855	Colour altered 1876
30	20	33	1863	.....	Colour altered 1870
14	12	18	1847	1869	Colour altered 1870
12	15	21	1874		
16	30	36	1870		
Channel.					
12	12	12	1774	1869	SG 1826, & colour altered 1870
10	10	24	1854	1863	Colour altered 1870
10	10	24	P 1778	.....	Colour altered 1870
10	12	24	P 1778	.....	Colour altered 1870
12	14	24 {	1784 R 1855	 {	Colour altered 1870 Discontinued..... 1848
10	10	16	1774	1838	Colour altered 1870
10	14	24	1774	.....	Colour altered 1870
12	15	51	1775	1847	Colour altered 1870
Margate Sand.					
30	30	48	1834	1871 {	8 ft. Can until 1849 Colour altered 1870
14	15	30	1774	1871 {	Colour altered 1870 SG 1825 SD 1870
Channel.					
12	12	10	1791	1837 {	SG from 1837 to 1861 Colour altered 1870
8	7	13	1837	.....	Colour altered 1870
10	10	15	P 1778	1863 {	SG 1835 SC 1870 Colour altered 1870

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>North Side.</i>		Ft. in.	Four Fathoms	
Spile	7 0	Can	Black	Wood
West Middle	7 0	Can	Black	Wood
South Middle	7 0	Can	Black	Wood
East Middle	7 0	Can	Black	Wood
<i>South Side.</i>		Through Horse and South		
Horse	6 0	Can	Bk & W cheqd.	Wood
Reculver	7 0	Can	Bk & W striped	Wood
Longnose	8 0	Cr. Cl.	Bk & W striped	Wood
<i>North Side.</i>				
West Last	9 0	CB Cl SG	Black	Iron
Middle Last	6 0	Can	Black	Wood
East Last	6 0	Can	Black	Wood
Hook Spit	6 0	Can	Black	Wood
South Spit	6 0	Can	Black	Wood
South Margate	6 0	Can	Black	Wood
S.E. Margate	8 0	HB Cl	Black	Iron
		Entrance to		
Sheerness Middle ...	8 0	CB Cl SG ...	Black	Iron
Grain Spit	6 0	Can	Black	Wood
Queenborough Spit..	6 0	Can	Black	Wood
<i>South Side.</i>		East		
Whitstable Street ...	8 0	FB Cl SC	Red & W striped	Iron
Pollard Spit	6 0	Can	Red & W striped	Wood
<i>North Side.</i>				
Columbine	6 0	Can	Red	Wood
Columbine Spit	6 0	Can	Red	Wood
Ham Gat	6 0	Can	Red	Wood
Sand End	6 0	Can	Red	Wood

Mooring.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Channel (continued).					
10	10	12	P 1684	1856	
10	10	9	P 1684	1863	Colour altered .....1870
10	10	12	1864	.....	Colour altered .....1870
10	8	12	1863	.....	Colour altered .....1870
Channels to North Foreland.					
10	8	10	1817	.....	Colour altered .....1870
10	7	12	1858	.....	Colour altered .....1870
16	15	24	1823	.....	{ Cl. since .....1867 Colour altered .....1869
12	12	12	1819	.....	{ The three Last Buoys were laid in the Nar- rows Channel .....P 1684 & were laid in Horse do. 1819
8	7	10	1819	1858	
8	7	10	1819	1858	
10	7	9	1862	.....	
12	10	30	1858	1868	
10	10	24	1785	1853	Colour altered .....1839
12	12	29	1853	1874	
Sheerness.					
14	10	20	1813	1873	SG Cl. since .....1858
8	6	8	1834	1847	Colour altered .....1870
10	10	10	1843	.....	Colour altered .....1870
Swale.					
12	12	10	1827	.....	SC & Colour altered .....1870
10	6	13	1827	.....	Colour altered .....1870
8	6	5	1806	.....	Colour altered .....1812
8	6	8	1827	.....	
8	6	6	1827		
8	8	7	1829		

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>North Side.</i>		Ft. in.	From the Nore	
South Shoebury	8 0	Cy	Black	Iron
East Shoebury	7 0	Can	Black	Wood
Black Tail Spit	8 0	FB Cl. SG	Black	Iron
S.E. Maplin	7 0	Can	Black	Wood
Maplin	7 0	Can	Black	Wood
West Maplin Spit ...	8 0	Cy	Black	Iron
Maplin Spit	8 0	Cr Cl. SG	Black	Wood
East Maplin	7 0	Can	Black	Wood
N.E. Maplin	8 0	Cr Cl.	Black	Wood
<i>South Side.</i>				
West Barrow	8 0	CB Cl.	Bk & W striped..	Wood
Middle Barrow	8 0	CB Cl.	Bk & W cheqd..	Wood
East Barrow	8 0	CB Cl.	Bk & W striped..	Wood
N.E. Barrow	7 0	Can ...	Bk & W cheqd..	Wood
<i>North Side.</i>			East Swin	
Whitaker	13 0	CB Cl. SD	Bk & W. rings..	Iron
Swin Spitway	8 0	CR Cl.	Black	Wood
West Gunfleet	7 0	Can	Black	Wood
S.W. Gunfleet	7 0	Can	Black	Wood
Gunfleet Spit	7 0	Can	Black	Wood
Middle Gunfleet	7 0	Can	Black	Wood
N.E. Gunfleet	9 0	HB Cl. SD	Bk & W rings...	Iron
West Rocks	8 0	Cy	Black	Iron
<i>South Side.</i>				
S.W. Middle	8 0	CB Cl. SC	Bk & W striped..	Iron
North Hook Middle	7 0	Can	Bk & W cheqd..	Wood
N.E. Middle	7 0	Can	Bk & W striped	Wood
Heaps	13 0	CB Cl. SC	Bk & W striped	Iron
West Sunk	8 0	Cy	Bk & W striped	Iron
Sunk Head	8 0	FB Cl.	Bk & W cheqd..	Iron
Sunk Light Watch...	6 0	Nun	Red	Wood

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Stoker. Cwt.	Chain. Fms.				
through West Swin.					
10	15	31	1862		
10	15	36	1838	1862	
14	15	42	1847	1860	Cl. SC 1850 SG 1870
10	12	24	1851		
10	10	19	1811	.....	Colour altered .....1848
14	25	54	1870		
14	20	33	1845	1870	Cl. SG .....1870
12	12	33	1849	1866	Named NE Maplin till...1866
14	12	19	1866	.....	
14	18	43	1825	1873	Colour altered ...1848 & 1873
16	28	42	1873	.....	
14	16	36	1854	.....	
12	12	24	1868	.....	
Channel.					
30	25	20	1775	1853	{ SV from 1812 to .....1830 Colour altered .....1870 Cl SD .....1875
10	10	18	1793	1847	Cl since .....1871
10	10	24	1827	1858	Colour altered .....1870
12	12	24	1858	.....	Colour altered .....1870
12	12	30	1848		
14	14	30	1841	.....	Colour altered .....1870
20	20	28	P 1684	.....	{ SG 1826 .....SD 1870
12	15	22	1811	.....	Colour altered .....1870 Colour altered .....1870
14	14	20	1864	.. ..	SC since 1870
10	14	27	1807	1847	
10	14	27	1847	.....	
30	25	36	1775	.....	Colour altd. 1807, 1847 & 1870
30	25	60	1873	.....	
18	18	33	1838	1863	Colour altered .....1870
10	20	60	1848	1863	

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>North Side.</i>	Ft. in.			Whitaker
South Buxey	6 0	Can	Red	Wood
West Buxey	6 0	Can	Red	Wood
<i>South Side.</i>				
Ridge	6 0	Can	Red & W cheqd.	Wood
				Ray Sand
North Buxey	6 0	Can	Red & W cheqd.	Wood
<i>North Side.</i>				From Spitway up towards
Wallet Spitway	8 0	CB Cl. S x	Red & W rings.	Iron
Priory Spit	6 0	Can	Red	Wood
North Eagle	7 0	Can	R & W cheqd.	Wood
Eagle	6 0	Can	Red	Wood
Bar	6 0	Cr Cl	Red	Wood
Bench Head	6 0	Can	Red & W rings.	Wood
<i>South Side.</i>				
Knowl	8 0	CB Cl. SC	Red & W striped	Wood
N.W. Knowl	6 0	Can	Red & W striped	Wood
				Long
Long Sand Head ...	12 0	Bell Buoy S x ...	Black	Iron
<i>South End.</i>				Kentish Knock
Kentish Knock Buoy	13 0	CB Cl SG	Red	Iron
KK Buoy Watch ...	6 0	Nun	Red	Iron
<i>East Side.</i>				
Mid Knock	8 0	Cr. Cl.	Red	Wood
KK Light Watch ...	7 0	Can	Black	Wood
<i>North End.</i>				
North Knock	8 0	CB Cl. SG	Red	Iron
<i>South End.</i>				Gallop
Watch Buoy	8 0	Can	Black	Wood
<i>North End.</i>				
North Gallop	13 0	CB Cl. SD	Bk & W rings	Iron
<i>West Side.</i>				Gabbard
Inner Gabbard	8 0	Can	Red & W striped	Wood
<i>East Side.</i>				
Outer Gabbard	13 0	CB Cl.	Red	Wood
				Medusa
Stone Banks	7 0	Can	Red & W striped	Wood

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker Cwt.	Chain. Fms.				
Channel.					
10	10	15	1847	.....	Colour altered..... 1870
10	6	7	1775	.....	Colour altered..... 1870
8	8	12	1775	.....	Colour altered..... 1870
Channel.					
10	8	24	1847	.....	Colour altered..... 1870
the Colne and Blackwater.					
12	12	24	1793	1875	{ Colour altered..... 1870
10	8	12	1862	.....	{ SG 1830, SD 1870, S x 1875
12	15	30	1875	.....	{ Colour altered..... 1870
8	10	12	1816	.....	{ Colour altered..... 1870
12	12	30	1819	.....	{ Cl since 1870
10	10	24	1862	.....	
12	10	13	1816	.....	{ SG 1850 SC 1870
10	10	24	1862	.....	{ Colour altered..... 1870
					{ Colour altered..... 1870
Sand.					
1-30	1-30	42	1826	1849	{ 8 ft. Can until..... 1849
1-16	1-20				{ 17 ft. Cl. S x since..... 1849
					{ Bell Buoy..... 1874
Sand.					
30	30	72	1849	.....	
10	20	42	1849	.....	
16	30	63	1824	1859	{ Colour altered..... 1870
16	30	68	1860	.....	{ Conical since 1867
16	20	42	1859	.....	Colour altered..... 1870
Sand.					
18	25	48	1803	.....	
30	36	84	1875	.....	
Sands.					
20	25	60	1824	.....	Colour altered..... 1870
30	36	60	1824	.....	{ Colour altered..... 1870
					{ Cl. since 1874
Channel.					
10	10	15	1821	.....	Colour altered..... 1870

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>South Side.</i>		Ft. in.	Approaches	
Rough.....	7 0	Can	Red & W rings..	Wood
Cork	8 0	Can	Red & W striped	Wood
Outer Ridge	7 0	Can	Red & W cheqd.	Wood
Inner Ridge	6 0	Can	Red & W striped	Wood
Cliff Foot Rocks.....	8 0	CB Cl. SC	Red & W cheqd.	Wood
<i>North Side.</i>				
Felixstow Ledge ...	6 0	Can	Red	Wood
Platters	8 0	Can	Red	Wood
Andrews.....	8 0	Can	Red	Wood
Beach End	12 0	Bell Buoy	Red	Iron
<i>North-West Side.</i>				Harwich
North Cliff.....	6 0	Can	Red & W striped	Wood
South Shelf	6 0	Can	Red & W cheqd.	Wood
North Shelf	6 0	Can	Red & W striped	Wood
Shard	8 0	Cr. Cl. SC	Red & W cheqd.	Wood
<i>East Side.</i>				
Shotley Spit	6 0	Can ..	Red & W rings.	Wood
<i>South Side.</i>			From Cork Light Ship	
S.W. Whiting.....	7 0	Can	Red & W cheqd.	Wood
Hook Whiting	7 0	Can	Red & W striped	Wood
N.E. Whiting.....	8 0	CB Cl. SD	Red & W rings..	Wood
<i>North Side.</i>				
Woodbridge Haven..	6 0	Nun.....	Red	Wood
Cutler.....	7 0	Can	Red	Wood
<i>South-East & East Side.</i>				Through
S.W. Shipwash	13 0	CB Cl. ST	Bk & W rings...	Iron
East Shipwash	13 0	CB Cl.....	Black	Iron
Middle Shipwash ...	8 0	Can	Bk & W cheqd.	Wood
<i>North-West Side.</i>				
S.W. Bawdsey	8 0	Cr. Cl.....	Bk & W rings...	Wood
N.E. Bawdsey	8 0	Cr. Cl.....	Black	Wood
			From Orfordness	
Aldbro' Ridge	7 0	Can	Black	Wood
Aldbro' Napes	9 0	EB Cl. SG	Black	Iron
Sizewell Bank	20 0	HB Cl.....	Black	Iron

Moorings.		Depth of Water LWS F. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
to Harwich.					
12	12	21	P 1778	1811	Colour altered .....1870
14	15	21	1869		
12	10	15	1826	.....	Colour altered .....1870
8	10	15	1826	.....	Colour altered .....1870
16	12	18	1841	1860	SC & Colour altered.....1870
10	10	21	1863	.....	Colour altered 1870
12	15	18	1826	1863	Colour altered .....1870
10	10	22	1826	1872	Colour altered 1870
{ 12 20 }	{ 10 14 }	36	1843	1863	HB Cl..... 1852
					Nisbet Bell Buoy 1861
					Bell Buoy 1865
Harbour.					
10	10	18	1860	.....	Colour altered .....1870
10	10	16	1855	1872	Colour altered .....1870
10	10	16	1855	1872	Colour altered 1870
10	10	24	1855	1872	SC & Colour altered ...1870
10	6	16	1847	...	Colour altered ... .....1870
through Hollesley Bay.					
10	10	25	1810	... ..	Colour altered .....1870
10	10	18	1810	.....	Colour altered .....1870
14	15	21	P 1778	.....	Cl. SG 1835 .....SD 1870
10	10	18	1849		Colour altered..... 1870
10	10	27	1810	.....	Colour altered .....1870
Shipway.					
30	30	36	1802	.....	Colour altered .....1870
30	36	75	1367		
16	16	54	1816	.....	Colour altered .....1870
12	16	39	1802	1853	Cl. & Colour altered.....1870
16	15	30	1825	1836	Cl. since .....1870
to Southwold.					
12	15	30	1825	1858	
20	20	28	1812	.....	{ Cl SG since 1849
					{ Colour altered 1870
40	30	42	1831	1851	{ 7 ft. Can until 1863
					{ Colour altered 1870

NAME.	Size in Feet.	Description.	Colour.	Material.
	Ft. in.			Covehithe
Inner Barnard	6 0	Cr Cl SD.....	Bk & W rings..	Wood
S.W. Barnard	6 0	Can	Bk & W cheqd..	Wood
West Barnard	7 0	Can	Bk & W cheqd..	Wood
Covehithe	6 0	Can	Black	Wood
<i>West Side.</i>				Through Pakefield
South Barnard	7 0	Can	Red	Wood
East Barnard	8 0	Cr Cl SG.....	Red	Wood
<i>East Side.</i>				
South Newcome ...	8 0	CR Cl ST	Red & W rings..	Wood
S.W. Newcome	7 0	Can	Red & W striped	Wood
West Newcome	7 0	Can	Red & W striped	Wood
N.W. Newcome.....	7 0	Can	Red & W striped	Wood
North Newcome.....	7 0	Can	Red & W striped	Wood
Inner Shoal	7 0	Can	Red & W striped	Wood
<i>West Side.</i>				Through Stanford
East Newcome	8 0	Cr Cl	Black	Wood
E. Middle Newcome.	7 0	Cr. Cl.....	Black	Wood
N.E. Newcome	7 0	Cr. Cl	Black	Wood
N. Newcome Spit ...	6 0	Cr Cl SD	Bk & W rings...	Wood
North Bank	6 0	Can	Black	Wood
<i>East Side.</i>				
South Holm	9 0	CB Cl S x	Bk & W rings..	Wood
S.W. Holm.....	7 0	Can	Bk & W cheqd..	Wood
West Holm	7 0	Can	Bk & W cheqd..	Wood
N. W. Holm	7 0	Can	Bk & W cheqd..	Wood
Holm End	7 0	Can	Bk & W cheqd..	Wood
North Holm	7 0	Can	Bk & W cheqd..	Wood
S. W. Corton.....	7 0	Can	Bk & W cheqd..	Wood
N. W. Corton.....	7 0	Can	Bk & W cheqd..	Wood

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Channel.					
14	15	22	1840	1869	SD and Colour altered...1870
12	10	13	1871		
12	15	27	1864	1869	
12	15	27	R1866	.....	Colour altered 1870
Gat to Lowestoft.					
14	15	25	1864		
14	15	30	1834	1875	{ Name altered .....1864 Colour altered and SG...1865 Red globe .....1870
14	15	20	1825	1875	ST and Colour altered...1870
14	15	22	1858	1865	Colour altered .....1870
14	15	24	1830	1865	Colour altered .....1870
14	15	28	1831	1865	Colour altered .....1870
14	15	27	1830	1865	Colour altered .....1870
10	10	20	1835	1873	Colour altered .....1870
Channel to Yarmouth.					
14	20	42	1843	1874	{ Cl since .....1861 Colour altered .....1870 Removed .....1876
12	15	25	1861	1874	Colour altered .....1870
12	15	36	1850	1874	Colour altered .....1870
12	15	33	1859	1874	SD and Colour altered...1870
12	15	33	1831	1863	Off Yarmouth Haven.
18	20	39	P 1778	1876	S X and Colour altered...1870
14	15	27	1843	1876	Colour altered .....1846 Name alt. fr. Holm Hook 1864
12	15	36	1857	1872	
12	15	28	1784	1872	Colour altered .....1846 Named SW Corton till...1852
12	15	36	1872	.....	
12	15	24	1846	1875	Named Mid Corton till...1852 Colour altered 1870 and 1872
12	20	42	R1872	.....	
12	20	45	1827	1874	Colour altered .....1846 Name. alt from W. Corton 1872

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>West Side.</i>				
	Ft. in	Through Hewett's Channel, Yarmouth		
S.E. Newcome	8 0	Can	Black	Wood
Middle Holm	8 0	Can	Black	Wood
East Holm	8 0	Can	Black	Wood
South Corton	8 0	Can	Black	Wood
S.E. Corton	7 0	Can	Black	Wood
N.E. Corton	7 0	Can	Black	Wood
North Corton	8 0	Cr Cl SD	Bk & W rings...	Wood
South Caistor	7 0	Can	Black	Wood
Caistor Elbow	8 0	Can	Black	Wood
Middle Caistor	8 0	Can	Black	Wood
North Caistor	8 0	Cl	Black	Wood
S.E. Cockle	8 0	Can	Black	Wood
N.E. Cockle	8 0	Can	Black	Wood
North Cockle	8 0	Cr Cl SD	Bk & W rings...	Wood
<i>East Side.</i>				
South Scroby	13 0	EB Cl ST	Bk & W rings ..	Iron
Scroby Hook	8 0	Cy	Bk & W cheqd.	Iron
South Scroby Spit...	8 0	Cr Cl	Bk & W cheqd.	Wood
Scroby South Elbow	8 0	Can	Bk & W cheqd.	Wood
S.W. Scroby	8 0	Can	Bk & W cheqd.	Wood
Scroby Elbow	12 0	Bell Buoy SC ..	Bk & W cheqd.	Iron
West Scroby	8 0	Can	Bk & W cheqd.	Wood
Middle Scroby	8 0	Can	Bk & W cheqd.	Wood
N.W. Scroby	8 0	Can	Bk & W cheqd.	Wood
North Scroby	8 0	Cr Cl SC	Bk & W cheqd.	Wood
Cockle Knoll	8 0	Cy	Bk & W rings...	Iron
<i>Hemsby Swatch</i>				
West Cockle Spit ...	7 0	Can	Red & W striped	Wood
Wintertonness	7 0	Can	Red	Wood
<i>Outside Cross Sand</i>				
South Cross Sand ...	9 0	CB Cl	Black	Wood
Middle Cross Sand...	9 0	CB Cl	Black	Wood
East Cross Sand ...	9 0	CB Cl	Black	Wood
North Cross Sand ...	8 0	FB Cl SG	Black	Iron

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS
Sinker. Cwt.	Chain. Fms.				
Roads	and	Cockle	Gat.		
14	20	34	1874	.....	
14	20	37	1840	1874	
16	20	57	1861	1874	Colour altered .....1872
14	20	42	R 1874	.....	
14	15	30	1778	1874	
14	15	24	1778	1874	
14	15	19	1866	1876	Cl SD & Colour altered...1870
12	15	27	1851	1875	Name alt.fr. Caistor Shoal 1865
14	20	63	1866	1875	
14	20	51	1866	1875	
16	20	51	1866	1875	Conical since .....1866
14	20	52	1787	1870	Name altered .....1867
14	20	54	1818	1870	
16	20	30	1786	1869	SD and Colour altered...1870
30	30	26	1837	1874	SC and Colour altered...1870
14	15	23	1874	.....	ST .....1874
16	15	21	1850	1876	Cl. since .....1866
14	20	50	1874	.....	
14	20	43	1837	1871	Colour altered .....1846
30	30	30	1846	1875	Colour altered .. .....1846
14	20	39	P 1778	1874	Bell Buoy since .....1869
14	20	36	1843	.....	Colour altered .....1846
14	20	30	1858	.....	
16	20	30	1798	1872	Colour altered .....1846
14	20	33	1874	.....	SG 1843..... SC 1870
to Wintertonness.					
14	15	30	1838	1875	Discontin. 1863; relaid 1865
14	15	30	1850	.....	Colour altered .....1870
to Newarp Light Vessel.					
18	30	81	P 1807	1874	8 ft. Can till.....1863
18	30	108	1837	1874	8 ft. Can till..... 1863
18	30	120	1855	1868	Named N.E. Cross Sand
18	30	75	1845	1868	till .....1868
					Cl SC, 1849 .....SG, 1870
					Colour altered .....1855

NAME.	Span in Feet.	Description.	Colour.	Material.
	Ft. in.		Through Haisbro'	
East Haisbro'	13 0	Cl SG	Black	Iron
South Haisbro'	8 0	FB Cl SC	Bk & W striped	Iron
S.W. Haisbro'	8 0	Can	Bk & W cheqd...	Wood
South Midl. Haisbro'	8 0	Cy	Bk & W striped	Iron
Middle Haisbro'	8 0	Cy	Bk & W cheqd...	Iron
North Haisbro'	8 0	Can	Bk & W cheqd...	Wood
Foulness	7 0	Can	Black	Wood
				In the
Smith's Knoll	17 0	EB Cl SG	Black	Iron
Winterton Ridge ..	17 0	EB Cl S+	R & W rings	Iron
South Ower	8 0	Can	Black	Wood
North Ower	8 0	Cr Cl	Black	Wood
Grimal	8 0	Cr Cl	Bk & W cheqd...	Wood
Leman & Ower Watch	7 0	Nun	Red	Wood
			From Cromer	
East Sherringham ...	8 0	Cy	Bk & W rings...	Iron
West Sherringham...	8 0	CB Cl	Bk & W rings...	Wood
Blakepey Overfalls...	12 0	Bell Buoy SG...	Black	Iron
Burnham Flats	13 0	EB Cl S×	Bk & W rings...	Iron
Barnham Ridge	8 0	Can	Bk & W cheqd...	Wood
Woolpack	8 0	Can	Bk & W cheqd...	Wood
South Lynn Knock ..	8 0	Can	Bk & W rings. .	Wood
North Lynn Knock..	8 0	Cr Cl SD	Bk & W rings...	Wood
S.E. Docking	8 0	Can	Bk & W cheqd...	Wood
West Docking	8 0	Can	Bk & W striped	Wood
N.E. Docking	8 0	Cr Cl ST	Red & W rings.	Wood
North Race's Bank ..	8 0	Cr Cl	Red & W rings.	Wood
South Race's Bank..	8 0	Cy	Red & W rings.	Iron
Dudgeon Watch	8 0	Can	Bk & W striped	Wood
Outer Dowsing Watch	8 0	Can	Bk & W cheqd.	Wood
Outer Dowsing N. End	13 0	Cl SD	Bk & W rings .	Iron
South Dowsing	8 0	Cy	Bk & W rings...	Iron
N. Inner Dowsing ...	13 0	Cl SD	Bk & W rings...	Iron
Protector	8 0	Cr Cl	Black	Wood
Rosse Spit	8 0	Cr Cl	Bk & W striped	Wood

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Gat to Cromer.					
20	30	90	1871	.....	
18	25	48	1774	.....	Colour altered .....1861
16	30	66	1871	.....	
18	30	60	1865		
18	30	66	1853	1865	Colour altered .....1870
18	30	48	1826	1865	
18	15	30	1837	.....	Colour altered .....1870
Offing.					
30	45	120	1870	1873	
30	30	27	1868		
16	20	30	1840		
16	20	24	1865		
16	20	24	1839	.....	Cl and Colour altered ...1870
12	25	54	1839		
to the Humber.					
18	20	30	1827	.....	Name & Colour altered ..1868
16	20	27	1868		
30	30	39	1866		
30	30	60	1828	1868	Sx & Colour altered ...1868
14	20	48	1839	.....	Colour altered .....1870
14	20	33	1872	.....	
14	20	27	1827	.....	Colour altered .....1870
14	20	39	1827	.....	Colour altered .....1863
14	15	27	1872		
14	20	36	1868		
16	20	57	1826	.....	Colour altered .....1870
18	20	48	1826	.....	Colour altered .....1870
14	20	30	1826	1843	Colour altered .....1870
14	20	30	1816	.....	Colour altered .....1870
16	20	42	1861	.....	Colour altered .....1870
40	30	36	1872		
16	20	30	1868		
30	30	30	1826	.....	SD and Colour altered...1870
20	20	25	1858	.....	Colour altered .....1870
18	20	24	1868		Colour altered .....1869

NAME.	Size in Feet.	Description.	Colour	Material.
	Ft. in.		From the Humber	
South Smithie	8 0	Can	Red	Wood
North Smithie	8 0	Cr Cl	Red & W rings.	Wood
Filey Brig	12 0	Bell Buoy, SG...	Black	Iron
Whitby Rock.....	8 0	FB Cl. SG	Black	Iron
Salt Scar.....	8 0	Can	Black	Wood
Long Scar	12 0	Bell Buoy, SG...	Black	Iron
Tees Fairway	17 0	HB Cl. SD	Bk & W rings...	Iron
			Entrance to the	
South Gare.....	7 0	Cr Cl SG.....	Bk. & W cheqd.	Wood
<i>East Side.</i>				
No. 1	6 0	Can	Bk & W cheqd...	Wood
" 2	6 0	Can	Bk & W cheqd...	Wood
" 3	6 0	Can	Bk & W cheqd...	Wood
" 5	5 0	Can	Bk & W cheqd ..	Wood
" 6	5 0	Can	Bk & W cheqd...	Wood
<i>West Side.</i>				
No. 1	7 0	Can	Black	Wood
" 2	8 0	Can	Black	Wood
" 3	7 0	Can	Black	Wood
" 4	6 0	Can	Black	Wood
" 6	5 0	Can	Black	Wood
" 8	5 0	Can	Black	Wood
	32 0	Pole	Black	Wood
			Coquet	
Bondicar Bush	7 0	Cr Cl	Red	Wood
Hauxley Point	7 0	Cr Cl SG.....	Red	Wood
Sand Spit	6 0	Can	Red	Wood
S.W. Coquet	6 0	Can	Red & W striped	Wood
N.W. Coquet	6 0	Can	Red & W cheqd	Wood
N.E. Coquet	7 0	Cr Cl ST.....	Red & W rings.	Wood
Pan Bush	6 0	Can	Red	Wood

IMP 11232 dt. 20/12/2010

राष्ट्रीय पुस्तकालय, कोलकाता

170C 31(1-7)

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
to Tees Bay.					
16	20	24	1852	1869	Colour altered 1870
18	20	27	1837	1844	Cl and Colour altered ... 1870
{ 16	25	36	1850	.....	Bell Buoy since 1871
{ 30	30				
{ 30	30	60	1845		
{ 18	30				
{ 25	25	54	1847	1848	
{ 16	25				
{ M24	30	21	1810	1851	Colour altered 1870
{ M18	25				SG and Bell Buoy 1863
{ 25	20	30	1820	1855	Colour altered 1870
{ 25	25				Cl. SG, 1850 SD 1870
Tees River.					
M24	16	16	P 1710	1859	Colour altd. from W ... 1848 Cl since 1870
S 18	12	9	P 1710	1800	These Buoys laid in the centre of the Channel till 1800, and since then moored on each side. Colour of these 6 altered from W to Red 1854, and are frequently shifted, as the Channel alters.
S 16	12	9	P 1710	1800	
18	12	14	P 1710	1800	
12	8	4	1845	.....	
12	8	6	1845	.....	
24	16	15	P 1710	1800	Colour of the Buoys at en- trance to the Tees River altered 1870
18	12	9	P 1710	1800	
18	12	7	P 1710	1800	
S 16	16	18	P 1710	1800	
S 12	8	6	1845		
12	8	6	1845		
12	3 feet	2	1845		
Island.					
20	20	48	1864	.....	Colour altered 1870
24	20	54	1841	1871	Colour altered 1870
14	14	9	1841	.....	Colour altered 1870
18	10	18	1841	.....	Colour altered 1870
18	14	12	1841	.....	Colour altered 1870
24	20	51	1841	.....	ST and Colour altered ... 1870
20	14	21	1841	1872	Colour altered 1870

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>West Side.</i>		Ft. in.	From North Foreland	
Elbow	13 0	CB Cl SC	Bk & W striped	Iron
Broadstairs Knoll ...	7 0	Can	Bk & W cheqd...	Wood
Gull	8 0	Cr Cl	Bk & W cheqd...	Wood
North Bar	7 0	Can	Bk & W rings...	Wood
North Brake	7 0	Can	Bk & W striped	Wood
Middle Brake	7 0	Can	Bk & W cheqd...	Wood
South Brake	8 0	Sph SD	Bk & W rings...	Iron
Deal Bank	7 0	Can	Bk & W cheqd...	Wood
<i>East Side.</i>				
Goodwin Knoll	13 0	CB Cl	Black	Iron
N.W. Goodwin	9 0	FB Cl	Black	Iron
N.W. Bunt	8 0	Cy	Black	Iron
Bunt Head	8 0	Cr Cl	Black	Wood
S.W. Goodwin	8 0	Cy	Black	Iron
			Ramsgate	
Dike	6 0	Can	Black	Wood
Quern	6 0	Can	Bk & W cheqd...	Wood
North Fairway	9 0	FB Cl	Red & W striped	Iron
Chequered Fairway ..	7 0	Can	Red & W cheqd	Wood
South Fairway	7 0	Can	Red & W striped	Wood
			Goodwin Sands.	
N.E. Goodwin	17 0	HB Cl	Bk & W striped	Iron
East Goodwin	17 0	EB Cl S x	Bk & W cheqd...	Iron
S.E. Goodwin	17 0	EB Cl	Bk & W striped	Iron
South Goodwin	13 0	CB Cl SC	Bk & W cheqd...	Iron
			English	
N.E. Varne	17 0	HB Cl SG	Red	Iron
Varne Lt. Watch ...	8 0	Can	Black	Wood
Newcome	8 0	Cr Cl	Bk & W cheqd...	Wood
Royal Sovereign ...	8 0	CB Cl SC	Bk & W striped	Iron
Boulder	9 0	FB Cl	Black	Iron
Bullock Patch	10 0	Can	Black	Wood
Christchurch Ledge..	6 0	Can	Black	Wood
Peverel Ledge	8 0	Cr Cl	Black	Wood
Manacles	12 0	Bell Buoy SG...	Black	Iron
Rundlestone	12 0	Bell Buoy SG...	Black	Iron

Moorings.		Depth of Water LWST. Feet.	First. Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
through Gull Stream.					
30	30	24	1796	1862	Colour altd. from W ...1846 SC and Colour altd.....1869
12	12	19	1819	1865	
16	15	36	1796	1862	Colour altered...1862 & 1869
14	15	12	1846	.....	Colour altered .....1869
14	15	16	1781	.....	Colour altered .....1869
12	14	33	1833	.....	Colour altered .....1869
30	30	36	P 1778	.....	SD and Colour altd.....1869
12	15	24	1833	.....	Colour altered .....1869
30	20	24	1832	.....	Colour altered .....1869
20	30	78	1860	1871	Colour altered .....1869
20	20	30	1864	.....	Colour altered .....1869
16	20	27	1844	.....	Colour altered .....1869
16	45	78	1874	.....	
Channels.					
10	10	10	1844	1859	
10	10	7	1844	.....	Colour altd. from W ...1859
14	10	6	1783	.....	Name and Colour altd...1869
12	12	15	1783	.....	Colour altered .....1869
14	10	17	1865	.....	Colour altered .....1869
(Outside).					
30	45	66	1847	.....	Colour alt. and ST taken away .....1869
30	60	114	1850	.....	Name alt. fm. Swatchway 1865
30	55	102	1847	.....	Colour and Beacon altd..1869
30	60	84	1847	.....	Name alt. fm. So. Calliper 1865
Channel.					
30	40	78	1857	1860	Named N.E. Varne since 1860
20	30	54	1860		
12	12	18	1828	.....	Name and Colour altd...1869
30	30	36	1850	.....	
20	25	54	1867		
32	16	42	.....	.....	Transfd. fm. the Admty. 1868
12	15	22	1843		
18	18	33	1863		
2.30ea.	{ 30	132	1838	.....	Bell Buoy since .....1867
	{ 45				
2.30ea.	{ 50	96	1825	.....	Bell Buoy since .....1867
	{ 30				

NAME.	Size in Feet.	Description.	Colour.	Material.
	Ft. in.			Loose
Winter	6 0	Can	Black	Wood
Shelley	6 0	Cr Cl	Black	Wood
Eastborough Head...	8 0	Cr Cl SC.....	Bk & W cheqd ..	Wood
Owers Middle	8 0	Can	Bk & W cheqd...	Wood
Pullar	8 0	Cr Cl SC.....	Bk & W striped	Wood
Street	7 0	Cr Cl	Black	Wood
Needles Channel and				
<i>North Side.</i>				
S. W. Shingles	10 0	Cl	Red & W cheqd	Wood
Shingles Elbow	8 0	Can	Red & W striped	Wood
N.E. Shingles	8 0	Can	Red & W rings .	Wood
Lymington Spit ...	8 0	Can	Red & W cheqd	Wood
Lepe Middle	8 0	Cl	Red & W striped	Wood
Thorn Knoll	8 0	Can	Red & W rings .	Wood
West Bramble	8 0	Cr Cl SC.....	Red & W cheqd	Wood
<i>South Side.</i>				
Warden Ledge	8 0	Can	Red	Wood
Black Rock	8 0	Can	Red	Wood
Hampsted Ledge ...	8 0	Can	Red	Wood
Salt Mead	7 0	Can	Red	Wood
Garnet Ledge	8 0	Can	Red	Wood
Prince Consort	8 0	Can	Red	Wood
Hill Head	8 0	Cr Cl	Red	Wood
N.W. Bramble	8 0	Can	Red	Wood
North Thorn	6 0	Can	Red	Wood
Exmouth.				
Fairway	8 0	Cr Cl SG.....	Bk & W rings...	Wood
<i>North Side.</i>				
Flat Ledge	6 0	Can	Black	Wood
Pages Ledge	6 0	Can	Black	Wood
Double Ledge	6 0	Can	Black	Wood
Long Ledge	6 0	Can	Black	Wood
Congar Rocks.....	6 0	Can	Black	Wood
Days Ledge	6 0	Can	Black	Wood
Bull Hill	7 0	Can	Black	Wood
Shelly	6 0	Can	Black	Wood

Mooringa.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Stream					
12	15	18	1838		
12	15	24	1830	.....	Colour altered 1868
12	15	27	1823	.....	Colour altered 1868
18	15	30	1830	.....	Colour altered 1868
20	18	12	1815	.....	Colour altered 1868
14	14	12	1815	.....	Colour altered 1868
Solent to Spithead.					
30	25	42			Transferred from the Admiralty to the Trinity House, 1868.
32	16	42			
32	16	42			
15	8	12			
20	16	24			
14	12	27			
32	16	27			
32	16	33			
32	25	63			
32	16	30			
15	16	30			
32	12	48			
32	12	24	.....	1876	
32	16	18			
32	16	25			
12	12	21	1870	.....	
Exmouth.					
16	20	30	1816	.....	Colour altered 1869
12	12	6	1816		
12	12	7	1816		
8	12	7	1816		
8	12	7	1816		
12	12	7	1816		
8	12	12	1816		
8	6	Dry	1816		
12	6	3	1816		

NAME.	Size in Feet.	Description.	Colour.	Material.
				Exmouth
<i>North Side.</i>		Ft. n.		
Black Hill	6 0	Can	Black	Wood
Limpstone	4 0	Can	Black	Wood
Mussel Bed	4 0	Can	Black	Wood
Powderham	4 0	Can	Black	Wood
Spit End.....	4 0	Can	Black	Wood
<i>South Side.</i>				
Flat Ledge	6 0	Can	Bk & W striped	Wood
Double Ledge	6 0	Can	Bk & W striped	Wood
Congar Rocks	6 0	Can	Bk & W striped	Wood
Cheekstone	6 0	Can	Bk & W striped	Wood
Causey Gut	4 0	Can	Bk & W striped	Wood
Star Cross	4 0	Can	Bk & W striped	Wood
Spit	4 0	Can	Bk & W striped	Wood
Spit End ..	4 0	Can	Bk & W striped	Wood
				Dartmouth.
Cheek Stone	8 0	Can	Bk & W cheqd...	Wood
Castle Ledge	8 0	Can	Black	Wood
Home Stone	8 0	Can	Bk & W striped	Wood
				Falmouth.
Governor	8 0	Can	Bk & W cheqd...	Wood
Lugo	6 0	Can	Black	Wood
				Mount's
Mountmopis	8 0	Can	Black	Wood
Lowlee	6 0	Can	Red	Wood
				Off
Stones	13 0	CB Cl SG	Black	Iron
				Silly.
Spanish Ledge	8 0	CB Cl	Bk & W striped	Iron
Bartholomew Ledge.	8 0	CB Cl	Bk & W striped	Iron
Old Wreck	8 0	CB Cl	Black	Wood

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
(continued).					
8	6	Dry	1816		
4	6	3	1816		
4	6	7	1816		
4	6	4	1816		
4	6	3	1816		
12	12	6	1816	}	Colour altd. from W ...1869
8	12	2	1816		
8	12	4	1816		
8	12	7	1816		
8	6	2	1816		
4	6	Dry	1816		
4	6	Dry	1816		
4	6	Dry	1816		
Dartmouth.					
{ 24	{ 30	22	1846	}	{ Kept in repair by the Dartmouth Authorities.
{ 16m	{ 30				
{ 24	{ 30	27	1846		
{ 16m	{ 30				
{ 24	{ 30	42	1816		
{ 16m	{ 20				
Falmouth.					
12	12	15	1868		
12	12	13	1847		
Bay.					
20	45	36	1851		
16	25	42	1851		Colour altered .....1873
Godrevy.					
{ 30	{ 45	60	1858	1859	
{ 30	{ 30				
Scilly.					
24	30	36	1873		
24	30	42	1873		
{ 24	{ 40	42	1873		
{ 20	{ 15				

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>Caldy Sound.</i>				
Eel Point	6 0	Can	Red	Wood
Giltar Patch	6 0	Can	Red & W striped	Wood
North High Cliff	6 0	Can	Red & W cheqd	Wood
South High Cliff	8 0	Can	Red	Wood
Spaniel	8 0	Cr Cl.	Red & W cheqd	Wood
Caermarthen Fairway	12 0	HB CL SG	Black	River Iron
Caermarthen Swatchway	6 0	CL	Black	Wood
No. 1	7 0	Can	Black	Wood
Mid Bar	6 0	Can	Red	Wood
No. 2	7 0	Can	Black	Wood
No. 3	7 0	Can	Bk & W cheqd	Wood
No. 4	7 0	Can	Black	Wood
No. 5	7 0	Can	Black	Wood
No. 6	6 0	Nun	Black	Wood
No. 7	6 0	Nun	Black	Wood
<i>Helwick</i>				
West Helwick	8 0	Cr. Cl. SD	Red & W rings	Wood
Helwick Swatchway	8 0	Can	Red & W striped	Wood
East Helwick	8 0	Cr. Cl.	Red & W rings	Wood
<i>Swansea</i>				
Oyster	8 0	CR Cl	Bk & W rings	Wood
Mixon	12 0	Bell Buoy	Black	Iron
Inner Green Grounds	6 0	Can	Bk & W striped	Wood
S. W. Inner Green Gds.	7 0	Can	Bk & W cheqd	Wood
Kentig	8 0	CL	Black	Wood
Fairy	6 0	Can	Bk & W cheqd	Wood
Tusker Rock	9 0	EB CL SC	Bk & W striped	Iron
South Hugo	7 0	Can	Bk & W cheqd	Wood
West Scarweather	8 0	Cr. Cl.	Red & W rings	Wood
East Scarweather	8 0	Can	Red & W rings	Wood
North Scarweather	7 0	Can	Black	Wood
<i>From Swansea Bay</i>				
West Nash	9 0	CB CL SD	Red & W rings	Wood
S. W. Nash	8 0	Can	Red & W striped	Wood
S. E. Nash	8 0	Can	Red & W cheqd	Wood
East Nash	8 0	CL	Red & W rings	Wood
Breaksea	8 0	Can	Red & W cheqd	Wood
One Fathom	8 0	Can	Red & W rings	Wood
West Wolves	8 0	Cr Cl.	Red & W rings	Wood
East Wolves	8 0	Can	Red & W rings	Wood
Rainie Spit	8 0	S ph	Bk & W striped	Iron

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Bristol Channel.					
14	15	21	1857		
14	15	19	1857	.....	Colour altered .....1868
16	16	19	1857	1862	Name and colour altered 1866
18	12	13	1866		Colour altered .....1868
24	20	36	1866		
Towy.					
30	30	42	1860		
24	20	17	1867		
14	14	15	1825	1856	
12	12	4	1860		
12	12	10	1825		
10	12	9	1825		
10	12	14	1825		
10	12	10	1825		
8	10	9	1853		
8	10	6	1853		
Sand.					
24	30	54	1838	1846	Colour and Beacon altd. 1868
20	25	27	1838	.....	Colour altered .....1868
20	25	15	1838	.....	Colour altered .....1868
Bay.					
20	25	57	1871		
32M	30	60	1838		
18	15	19	1844	.....	Colour altered .....1868
18	20	19	1857		
24	20	21	1868		
24	20	24	1868		
30	30	32	1870		
20	20	30	1868		
20	20	26	1838	.....	Colour altered .....1868
20	20	36	1838	.....	Colour altered .....1868
20	20	33	1868		
to the Eastward.					
30	30	54	1838	.....	Colour and Beacon altd. 1868
20	20	45	1868		
20	20	45	1868		
20	20	27	1838		
20	20	30	1838	.....	Colour altered .....1868
20	20	30	1838	1853	Colour altered .....1868
20	20	24	1838	.....	Name and colour altered 1876
20	20	30	1876		
(32M	30				
10	12	27	1838	.....	Colour altered .....1868

NAME.	Size in Feet.	Description.	Colour.	Materials.
	Ft. in.		From Swansea Bay	
Mackenzie Shoal ...	8 0	Cr. CL	Red & W rings	Wood
New Patch	8 0	Can	Red & W cheqd	Wood
West Cardiff	9 0	PB CL SG	Black	Iron
Middle Cardiff	7 0	Can	Black	Wood
Cardiff Hook	8 0	Can	Black	Wood
East Cardiff	8 0	Cr CL SG	Black	Wood
Cardiff Spit	8 0	Cr CL	Red & W cheqd	Wood
S. W. Patch	8 0	Cr. CL ST	Red & W rings	Wood
Welsh Hook	8 0	Can	Red & W cheqd	Wood
Middle Hook	8 0	Can	Red & W striped	Wood
Cockburn Shoal	8 0	Can	Red & W cheqd	Wood
Newcome	8 0	Can	Red & W striped	Wood
West Usk	6 0	Can	Red & W cheqd	Wood
East Usk	6 0	Can	Red	Wood
			South Side of the	
Morte Stone	8 0	Cr. CL	Red	Wood
Sand Ridge	8 0	Cr. CL SG	Red	Wood
West Culver	9 0	CL CB SD	Red & W rings	Wood
East Culver	8 0	Cr. CL ST	Red & W rings	Wood
Gore	8 0	Cr CL SD	Bk & W rings...	Wood
Honeycomb Rock ...	6 0	Can	Red	Wood
Flatness	8 0	Can	Red	Wood
Firefly	8 0	Cr CL	Red	Wood
<i>Entrance to Bideford</i>				
Fairway	12 0	Bell Buoy SG...	Red	Iron
Bar	6 0	Can	Black	Wood
Middle Ridge	6 0	Can	Black	Wood
Pullies	6 0	Can	Black	Wood
Sprat Ridge	6 0	Can	Bk & W striped	Wood
			St. George's	
<i>Milford Haven.</i>				
Midchannel Rock ...	8 0	Cr CL SD	Red & W rings	Wood
Chapel	8 0	Can	Red & W striped	Wood
West Chapel	8 0	Can	Red	Wood
Thorn Rock	8 0	Cr CL	Red	Wood
<i>Cardigan Bay.</i>				
Cardigan Lt. Watch	8 0	Can	Black	Wood
Patches	8 0	Cr CL	Bk & W rings...	Wood
Aberdovey Outer ...	6 0	Can	Bk & W rings...	Wood
Aberdovey Inner ...	6 0	Can	Red	Wood
Bweh	8 0	Can	Bk & W rings...	Wood
Causeway	8 0	Cr. CL SD	Bk & W rings...	Wood
<i>Carnarvon Bay.</i>				
Carnarvon Watch ...	8 0	Can	Black	Wood
Rhoscolyn	6 0	Nun	Black	Wood

Moorings.		Depth of Water LWST. Fcet	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
to the Eastward (continued).					
20	20	24	1862	1867	Colour altered .....1868
20	20	20	1838	1867	Colour altered .....1868
30	20	21	1838	1867	
20	20	24	1867		
20	15	12	1838	.....	Colour altered .....1868
20	15	6	1848	.....	Colour altered and SG...1868
25	25	18	1867		
20	20	27	1839	1867	Colour and Beacon altd. 1868
20	20	27	1842	.....	Colour altered .....1868
25	20	27	1867		
20	25	24	1857	.....	Colour altered .....1868
20	25	21	1868		
32M	15	Dry	1843	.....	Colour altered 1868
12	15	Dry	1843	.....	Colour altered .....1868
Bristol Channel.					
24	30	54	1851	.....	Colour altered .....1868
20	25	42	1838	.....	Colour altered .....1868
30	30	30	1838	.....	Colour altered .....1868
20	20	39	1838	.....	Colour altered .....1868
20	18	12	1838	1875	Colour altered .....1869
20	20	30	1845	.....	Colour altered .....1868
20	25	18	1868		
24	25	30	1868		
{ 30	{ 30	42	1844	1862	
{ 20	{ 20				
12	12	5	1844		
12	12	10	1844		
10	10	Dry	1844		
10	10	4	1834	.....	Colour altered 1868
Channel.					
24	30	36	1851	.....	Colour altd. and made Cl. 1868
24	20	33	1868		
20	20	39	1868		
20	20	36	1853	.....	Cl. since .....1864
20	50	204	1860	1870	
20	20	27	1842	.....	Cl. and Colour altered ... 1870
10	18	18	1830	.....	
10	10	6	1830		
20	20	36	1842	1855	Colour altered .....1870
20	25	30	1842	1854	SD and Colour altered...1870
12	25	42	1842		
13	52	180	1869		
12	25	42	1870		

NAME.	Size in Feet.	Description.	Colour.	Material.
	Ft. in.			Holyhead
Clipera Rocks		{ Capt. Nisbet's } Bell Buoy...}	Black	Wood
Bolivar	8 0	Cr. Cl.	Bk. & W striped	Wood
Coal Rock	8 0	Cr. Cl. SG	Black	Wood
Victoria	8 0	Can	Black	Wood
Ethel Rock	8 0	Can	Black	Wood
Ten Feet Bank	8 0	Can	Bk. & W rings	Menai Wood
<i>South Deep.</i>				Conway
Fairway	7 0	Can	Red & W rings...	Wood
Burlingan	6 0	Can	Red	Wood
No. 1	4 0	Can	Red & W striped.	Wood
No. 2	5 0	Nun	Red	Wood
Rings	5 0	Cl.	Red & W rings...	Wood
No. 3	5 0	Nun	Red	Wood
No. 4	4 0	Can	Red	Wood
<i>North Deep.</i>				
No. 1	6 0	Nun	Bk. & W rings...	Wood
No. 2	5 0	Nun	Bk. & W striped	Wood
No. 3	5 0	Nun	Bk. & W striped	Wood
No. 4	5 0	Nun	Bk. & W striped	Wood
<i>West Side.</i>				Welsh Channel Entrance
Constable	8 0	Cr Cl. SD	Bk. & W rings...	Wood
N.W. Patch	8 0	Cr. Cl. S x	Black	Wood
N.E. Middle Patch...	7 0	Can	Black	Wood
Earwig	7 0	Can	Bk. & W rings...	Wood
<i>East Side.</i>				
Chester Bar	7 0	Can	Bk. & W cheqd.	Wood
S.W. Hoyle	6 0	Can	Bk. & W striped	Wood
South Hoyle	6 0	Can	Bk. & W cheqd.	Wood
West Hoyle	8 0	Cr. Cl. SG	Red	Wood
<i>West Side.</i>				River
Air	12 0	Bell Buoy, SG...	Black	Iron
S.E. Air	6 0	Can	Black	Wood
M No. 1	7 0	Can	Black	Wood
M No. 2	6 0	Can	Black	Wood
<i>East Side.</i>				
Salisbury Middle ...	6 0	Cr. Cl. ST	Bk. & W rings...	Wood
S.W. Salisbury	6 0	Can	Bk. & W striped	Wood
Salisbury Swatchway	5 0	Can	Bk. & W cheqd.	Wood
M No. 3	6 0	Can	Bk. & W striped	Wood
South Salisbury	5 0	Can	Black	Wood

Moorings.		Depth of Water LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Bay.					
{ 30	{ 30	36	1856	.....	Capt. Nisbet's Bell Buoy since 1860
{ 14	{ 12				
20	25	42	1842	.....	Colour altered 1870
24	40	72	1840	.....	
20	40	54	1845	.....	Colour altered 1870
20	30	66	1862	.....	Colour altered 1870
Straits.					
18	20	22	1855	.....	Colour altered 1870
River.					
10	12	15	1814	.....	Colour altered 1870
10	12	9	1862	.....	
5	8	1	1814	.....	Colour altered 1870
5	10	6	1814	.....	
5	8	6	1814	.....	Name and Colour altd. 1870
5	7	6	1814	.....	
5	7	11	1814	.....	
10	12	12	1838	.....	Colour altered 1870
8	8	6	1838	.....	Colour altered 1870
5	7	Dry	1838	.....	Colour altered 1870
5	7	Dry	1838	.....	Colour altered 1870
to the River Dee.					
20	20	24	1843	.....	Cl. since 1865. Col. altd. 1870
18	20	16	1836	.....	S x and Colour altered. 1870
18	18	12	1844	.....	Colour altered 1870
14	18	9	1844	.....	Colour altered 1870
14	20	12	1836	.....	Colour altered 1870
10	20	18	1865	.....	Colour altered 1870
10	20	24	1865	.....	Colour altered 1870
18	30	36	1843	.....	Colour altered 1870
Dee (South Channel).					
{ 30	{ 30	24	P 1830	.....	Bell Buoy since 1867
{ 20	{ 20				
12	20	18	P 1830	1858	Colour altered 1870
10	14	9	1836	.....	Colour altered 1870
8	12	18	1836	.....	Colour altered 1870
10	12	12	1836	.....	Colour altered 1870
12	14	12	1854	.....	Colour altered 1870
3	12	12	1838	.....	Colour altered 1870
5	12	9	1836	.....	Colour altered 1870
8	12	12	1836	.....	Colour altered 1870

NAME.	Size in Feet.	Description.	Colour.	Material.
<i>West Side.</i>				River
East Salisbury	5 0	Can	Red	Wood
Salisbury Bar	5 0	Can	Red	Wood
East Bar	5 0	Can	Red	Wood
Deeps	6 0	Can	Red	Wood
Great Salisbury	5 0	Can	Red	Wood
Elbow	5 0	Nun	Red	Wood
Greenfield Gut	5 0	Can	Red	Wood
Bug No. 3	5 0	Can	Red	Wood
<i>East Side.</i>				
Welshman's Gut ...	6 0	Can	Red & W rings.	Wood
Seldom Seen	5 0	Nun	Red & W cheqd.	Wood
Lime Wharf	5 0	Can	Red & W striped	Wood
Cawdy	5 0	Can	Red & W cheqd.	Wood
Flint	4 0	Can	Red & W cheqd.	Wood
Bug No. 1	5 0	Can	Red & W cheqd.	Wood
Bug No. 2	5 0	Can	Red & W cheqd.	Wood
				Morecambe Bay.
Danger Patch	12 0	Cl. SC	Bk. & W striped	Iron
Morecambe Bay Watch	7 0	Can	Black	Wood
				Off Isle
King William Bank	8 0	Cr. Cl. SD	Red & W rings.	Wood
Bahama Bank Light Watch	6 0	Nun	Red	Wood
				Solway
Two Feet Bank	9 0	FR Cl. SD	Red & W rings.	Iron
				Heligoland
Stein Rock	8 0	Cl. MT	Black	Iron
Sellebrunnen	8 0	CB Cl. S x	Black	Wood
Nathurn	8 0	CB Cl. SD	Bk & W rings...	Wood

Moorings.		Depth of Water. LWST. Feet.	First Laid.	Last Removal.	REMARKS.
Sinker. Cwt.	Chain. Fms.				
Dee (North Channel).					
10	12	15	1871		
8	10	9	1836	.....	Colour altered .....1870
8	10	3	1836	.....	Name altered .....1870
10	14	24	P 1830	.....	Colour altered .....1870
8	10	Dry	P 1830	.....	Colour altered .....1870
5	8	3	1836		
8	10	6	1841	.....	Colour altered .....1870
8	12	6	1836		
10	12	18	1838	.....	Colour altered .....1870
5	12	3	P 1830	.....	Colour altered .....1870
8	12	12	1846	.....	Colour altered .....1870
10	10	6	1836	.....	Colour altered .....1870
5	8	3	P 1830	.....	Colour altered .....1870
5	12	9	1836	.....	Colour altered .....1870
8	12	3	1836	.....	Colour altered .....1870
Off Fleetwood.					
{ 30	{ 36	27	1852	.....	SC and Colour altered ...1870
{ 18	{ 20				
14	30	57	1863		
of Man.					
18	35	36	1835	.....	SD and Colour altered ...1870
12	20	48	1845		
Frith.					
20	20	30	1867	.....	Colour altered .....1870
Heligoland.					
14	12	27	1850		
15	14	48	1873		
15	14	42	1873		

BEACONS.

NAME.	Date of Erection.	Position.	Purpose of Erection.
Girdler	1846	S. spit Girdler sand	{ To mark N. side of } Prince's Channel }
Shingles	1846	S. spit Shingles sand	{ To mark N. side of } Prince's Channel }
Pansand	1774	Dry part of Pansand	To mark the Sand
Middle Ground.	1844	N. side 4 Fm. Chan.	{ To show S. edge of } the sand..... }
Reculvers	600	On the cliff	Church
Monkton	1791	Isle of Thanet	Sea mark
North Down } Tower }	1818	Isle of Thanet	Sea mark
Redding Street.	1827	Isle of Thanet	Sea mark
Goodwin	1841	On the Sand	Warning and Refuge ..
Dungeness	1872	On the Point	{ To mark the ex- } treme Point..... }
Mixon	1793	{ N. side of Looe } Stream } { Near Selsea Bill }	To mark the Shoal
Grande An- } quette Rock }	1859	Off Goree, Jersey ..	Warning
Ashey Down } Tower .... }	....	Isle of Wight	Sea mark
St. Helen's ....	....	Do., near Bembridge	Sea mark
Kickergill ....	....	Stoke's Bay	Sea mark
Nelson's Mo- } nument .. }	..	Portsmouth Hill....	Sea mark
Nodes .. .....	....	{ Isle of Wight.. } { Needles Down }	{ With variegated } cliff, it clears the } Shingles. }
Portland Bill ..	....	On point of the Bill	Land mark
Cheekstone....	1835	Exmouth Harbour..	Warning
Hoe .....	....	Plymouth	Leading mark

BEACONS.

Peculiarity.	Material.	Colour.	Height of Summit above WST Feet.	REMARKS.
Triangular Head ..	Iron	Black	30	
Diamond Head	{ Iron Cy- linder & Wood Mast }	Black	30	New one Aug., 1870
Cage Head.....	{ Iron Cy- linder & Wood Mast }	Black	30	{ New one April, 1828 New one Oct., 1855 New one June, 1863
Cage Head.....	{ Iron Cy- linder & Wood Mast }	Black	32	{ New one June, 1859 New one Sept., 1868
{ Two Square Towers & Wood Beacons..... }	{ Flint & Wood }	Dark	140	{ Purchased by T. H., 1811
Round Tower.....	Brick	Dark		
Square Tower	Flint *	Dark		
Like a chimney....	Brick	Red		
Mast & Globe	{ Iron & Wood Piles. }	Black	37	{ New one 1844, on the middle of the sands
Mast & two Globes	Wood	Black	59	
Cage Head.....	Iron	Black	30	New one 1856
Cone, Mast & Globe	Iron	Red	32	{ Washed away 1868 New one 1871
Tower.....	Stone	White		
Tower.....	Brick	White		
Tower.....	Brick	{ R & W Rings }		
Tower	Stone	White		
Mast & Cage.....	Wood	Black	470	
Tower.....	Stone	White		
Globe Head	Iron	Black	12	
Triangular Tower ..	Stone	{ R & W bands }		

BEACONS

NAME.	Date of Erection.	Position.	Purpose of Erection.
Udder	1871	On the Cliff	{ In line with Shag Rock to mark the Udder Rock }
Gribben Head..	1832	On the Head.....	Land mark
Raymond	1850	Mounts Bay	Warning
Cresser	1850	Mounts Bay	Warning
Gear Rock ....	.....	Mounts Bay	Warning
Black Rock....	1838	Falmouth Harbour.	To mark entrance.....
3 Vrogue Bns..	1859	{ 1 on the Balk, near Lizard Point, & 2 on Beast Head.. }	{ With Mid Hummoe to mark the rock, and two in one to mark rock
Rundlestone } high..... }	1821	On Tol y pedn....	{ To mark the rock.. }
Rundlestone } low	1821	On Tol y pedn....	
St. Martin's Daymark.. }	1867	{ St. Martin's Head, Scilly }	Land mark
Crow Rock .. } (Scilly) .. }	1848	Crow Sound, Scilly	Warning
Woolpack	1848	{ St. Mary's Sound, Scilly	Warning
Monkstone....	1839	Bristol Channel ..	Warning
St. Donats	1832	On Nash Cliff	{ To lead clear of Breaksea Point. }
Woolhouse	1842	Near Caldy	Warning
Crow (Milford)	1855	Off Linney Head..	Warning
Bwch Head....	1850	Near Aberdovey ..	Land mark
Chwislen Rock.	1870	Carnarvon Bay....	Warning
Rhoscolyn	1820	S. part Anglesea ..	Land mark
Wt. Mouse....	1810	{ On the Island.. }	{ In line to mark the Coal Rock.. }
Coal Rock	1810	{ On the Cliff E. }	
Coal Rock	1822	{ of Carmel Point }	

(Continued.)

Peculiarity.	Material.	Colour.	Height of Summit above H W S T Feet.	REMARKS.
Like an Obelisk....	Stone	White	..	
Tower.....	Stone	{ R & W bands }	342	
Globe Head	Iron	Black	19	
Globe Head	Iron	Red	16	
Globe Head	Iron	Black	21	New one, 1873
Cone, Staff, & Globe	{ Stone & Wood }	Black	37	
Triangular Head ..	1 Wood	Red	217	
Wall	2 Stone	{ 1 Red 1 White }		
{ Square base & cone top.... }	Stone	Bk. & W		
Pyramidal	Stone	Red		
Like a Steeple	Stone	{ Rings R & W }	150	
{ Cone, Staff, & Globe	Iron	Red	22	
Staff and Globe....	Iron	Red	23	
{ Tower, Mast, & Globe	{ Stone & Iron }	Stone	20	New one 1859
Wall	Stone	White		
{ Cone, Mast, & Globe	{ Stone & Iron }	Red	33	
{ Cone, Staff, & Globe	Iron	Red	25	
Diamond Head	Wood	White	..	Col.alt. fm. Red 1859
Cone, Mast, & Globe	Iron	Red	22	
Tower.....	Stone	{ R & W rings }	..	
{ Cone, Globe Head	Stone	White	..	New one, 1871
{ Wall & Spur	Stone	White		
{ Wall & Spur	Stone	White		

BEACONS

NAME.	Date of Erection.	Position.	Purpose of Erection.
Harry Furlong	1843	Off Camlyn Point	Warning
Perch Rock ..	1838	{ Entrance of Me- nia Straits .. }	Warning
Corrin.....	1808	{ Near Peel, Isle of Man }	Sea mark
Whitaker	P1684	{ North side of Swin Channel }	To mark the sand
Buxey.....	1847	{ N.W. part of the Sand	{ To mark Ray Sand } Channel
Naze Tower ..	1720	Near Walton.....	Sea mark
Landguard Beh.	1857	Rear of the Fort ..	{ In line to clear the }
Landguard Beh.	1857	Rear of the Fort ..	{ Guard Shoal.... }
Bawdsey.....	P1802	East end of the Cliff	Mark for Sledway
2 Beacons	P1684	{ Entrance of Woodbridge Haven }	{ Occasional Lights for navigating the river }
2 Shifting do...	1859	do.	Guide for Swatchway ..
Stones	1810	River Tees.....	{ Leading mark for Stones.. .. }
Heligoland.			
No. 1 Heligoland	1868	On the Island	Sea mark
No. 2 South ..	1858	Sandy Island	Sea mark
No. 3 Centre ..	1855	Sandy Island	Sea mark
No. 4 North ..	1846	Sandy Island	Sea mark

(Continued.)

Peculiarity.	Material.	Colour.	Height of Summit above H W S T Feet.	REMARKS.
Triangular Head ..	Iron	{ B & W rings }	30	
{ Cone, Mast, & }	Stone	{ B & W rings }	24	
{ Globe..... }				
Tower.....	Stone	Stone		
Cage Head.....	{ Iron Cy- linder & Wood Mast }	Black	35	{ New one 1829 New one 1871 }
Mast & T Head ..	Iron	Black	30	
{ Castellated Top, }	Brick	Dark		
{ Octagonal Tower }	Wood	Red	40	
{ Globe on the }	Wood	Red	35	
{ Head }				
Triangular.....	Brick	{ R & W rings }	..	{ New one 1831 New one 1837 }
Lantern Head	Wood	R & W	25	White P 1846
{ Square & Tri- }	Wood	{ W with Bk.spots }	20	
{ angle }				
Triangular.....	{ Iron & Wood }	Black	{ 23 18 }	Improved 1859
Heligoland.				
Triangular Head ..	Wood	Black	207	
Triangular Head ..	Wood	Black	45	
Double Triangle ..	Wood	Black	54	
Triangular Head ..	Wood	Black	50	

No.	NAME.	Builder's Tonnage.	Material.	Masts.	Position.	Moorings.		Depth of water
						Mush- room, cwt.	Chain. Fathoms.	
21	Spurn	163	W	1	{ 4 miles Sea- ward of Point }	1.40	210 1½ in.	5
19	Dudgeon.....	163 ⁵ / ₄	W	1	{ West side of the shoal .. }	1.40	{ 210 1½ in. 26 2in. }	10
39	Outer Dowsing.	183 ⁵ / ₄	W	1	{ West side of the shoal .. }	1.40	{ 210 1½ in. 4 2in. }	10
16	Inner Dowsing.	158 ¹ / ₄	W	1	{ N. E. end of shoal }	1.40	{ 210 1½ in. 4 2in. }	10
5	Lynn Well....	155 ⁵ / ₄	W	1	Lynn Deep ..	1.33	210 1½ in.	17
15	Leman & Ower.	158 ¹ / ₄	W	2	{ S. W. edge of Ower Bank }	1.40	{ 210 1½ in. 40 2in. }	17
28	N. Haisborough	158 ² / ₄	W	2	{ N. end of the sand..... }	1.40	{ 210 1½ in. 36 2in. }	15
44	Newarp	211 ⁵ / ₄	W	3	{ Eastward of Newarp Flat }	1.40	210 1½ in.	17
	Cockle.....	154 ¹ / ₄	W	1	{ East side of Galway }	1.32	210 1½ in.	7
6	St. Nicholas ..	155	W	1	{ Hewetts' Chan- nel, Yarmouth }	2.32	{ 210 G. 1½ in. 150 B. 1½ in. }	11
30	*Corton	158 ² / ₄	W	1	{ Outside Corton Sand }	1.40	{ 210 1½ in. 26 2in. }	12
49	Shipwash		W	1	{ N. of N. Ship Head }	1.40	{ 210 1½ in. 4 2in. }	9
4	Cork	152 ² / ₄	W	1	{ Near N. end of the sand .. }	1.32 1.42	{ 210 G. 1½ in. 150 B. 1½ in. }	4
32	Sunk	158 ² / ₄	W	1	{ Fairway of E. Swin }	1.40	{ 210 1½ in. 28 2in. }	9
20	Swin Middle ..	162 ² / ₄	W	1	{ West end of Middle Sand }	2.32 ea.	{ 210 G. 1½ in. 150 B. 1½ in. }	6
17	Mouse.....	158 ¹ / ₄	W	1	{ West end of the sand .. }	2.32 ea. Anchors	{ 210 G. 1½ in. 150 B. 1½ in. }	4
42	Galloper	183 ⁵ / ₄	I	2	{ S. W. end of the sand .. }	1.40	{ 210 1½ in. 4 2in. }	19
34	Kentish Knock.	161	W	1	{ East side of the sand .. }	1.40	{ 210 1½ in. 4 2in. }	11
14	†Nore	158 ¹ / ₄	W	1	{ East end of sand }	2.32 ea.	{ 210 G. 1½ in. 153 B. 1½ in. }	3

* Removed and name altered from Corton Fairway, 1896.

† Nore exhibited two Red Lights

VESSELS.

43

Riding Cable last shifted.	No. of Lights	Character of Lights.	Height of Light. Feet.	Lights, how placed.	Intens. of Re- flection—Mils.	Visible Miles.	First moored A.D.	REMARKS.
1875 June	1	Revolving	36	....	1	10	1820	{ Altd. 1840 from W fixed
1873 Nov.	1	Fixed	35	....	..	10	1736	{ Altd. 1826 from 2 fixed
1875 Oct.	1	Rev. Red	36	....	$\frac{1}{3}$	10	1861	{ Has 1½ globes Fog Horn 1875
1873 April	1	Rev. Green	38	....	$\frac{1}{3}$	10	1873	{ Has 2 globes of unequal size
1874 Sept.	1	Revolving	36	....	$\frac{1}{3}$	10	1828	{ Altd. 1861 from 2 fixed
1873 July	2	{ H. Rev. L. Fix. }	37 26	{ Unequal height }	1	{ 10 9 }	1839	
1873 July	2	Fixed	35	Horizontal	..	10	1832	
1876 April	3	Fixed { 34 25 20 }		Triangular	..	{ 10 9 }	1790	{ Has Daboll's Caloric Fog Horn.
1876 April	1	Revolving	35	....	1	10	1843	
G1876 Mar	2	{ H. Fix. L Rv Rd }	36 16	{ Unequal height }	..	{ 10 4 }	1837	{ Low Light Rev. since 1871. Moved 2 cables 1876.
1873 Mar.	1	Rev. Red	37	....	$\frac{1}{3}$	10	1862	{ Has 1½ globes moved $\frac{1}{2}$ mile E. N. E. 1871, & 6 cables W 1874
1875 Nov.	1	Fixed	34	....	..	10	1837	Fog Horn 1875
1872 May	1	Revolving	35	....	$\frac{1}{3}$	10	1844	
1874 Sept.	1	Rev R & W	33	....	$\frac{3}{4}$	10	1802	{ Has 1½ globes Altd. 1871 from W fixed
1873 Jan.	1	Revolving	36	....	1	10	1837	
1873 Sept.	1	Rev. Green	35	....	$\frac{1}{3}$	10	1838	{ Altd. 1862 from W fixed
1873 Aug.	2	Fixed	35 ea	Horizontal	..	10	1803	
1873 Sept.	1	Revolving	35	....	1	10	1840	{ Has 2 globes 1 small 1 lrg Fog Horn 1875
1873 Sept.	1	Revolving	35	....	$\frac{1}{3}$	10	1732	

1825, and from 1825 till 1835 one Fixed Light. Since 1865, one bright Revolving Light.

LIGHT

No.	NAME.	Builder's Tonnage.	Material	Masts.	Position.	Moorings.		Depth of water— Fathoms.
						Mush- room, cwt.	Chain. Fathoms.	
26	Girdler	158 $\frac{1}{2}$	W	1	{ West end of Prince's Chan.	1.32 1.40	{ 210 G. 1 $\frac{1}{2}$ in. 150 B. 1 $\frac{1}{2}$ in.	3 $\frac{1}{2}$
31	Prince's Channel	158 $\frac{1}{2}$	W	1	{ North side of Prince's Chan.	2.32	{ 210 G. 150 B.	5 $\frac{1}{2}$
25	Tongue	158 $\frac{1}{2}$	W	1	{ East end of Prince's Chan.	1.40	210 1 $\frac{1}{2}$ in.	10
13	East Goodwin..	145 $\frac{3}{4}$	W	1	{ East side of Goodwin Sand	1.42 M 1. S	{ 210 1 $\frac{1}{2}$ in. 4 2 in. 45 1 $\frac{1}{2}$ in.	30
3	Goodwin	183 $\frac{3}{4}$	I	3	{ N. E. end of Goodwin Sand	1.42	210 1 $\frac{1}{2}$ in.	9
29	*Gull	158 $\frac{1}{2}$	W	1	{ N. W. part of Goodwin Sand	1.40	210 1 $\frac{1}{2}$ in.	8
48	South Sand Head	211 $\frac{3}{4}$	W	1	{ S. W. end of Goodwin Sand	1.42 M 1.30 S	{ 210 1 $\frac{1}{2}$ in. 30 1 $\frac{1}{2}$ in.	14
35	Varne	158 $\frac{1}{2}$	W	1	{ S. W. end of Varne, Shoal	1.40	{ 210 1 $\frac{1}{2}$ in. 4 2 in.	16
46	Royal Sovereign	211 $\frac{3}{4}$	W	1	{ South of the Shoal	1.42	{ 210 1 $\frac{1}{2}$ in. 4 2 in.	12
47	Owers	211 $\frac{3}{4}$	W	1	{ South part of the shoal ..	1.40	{ 210 1 $\frac{1}{2}$ in. 4 2 in.	19
10	Nab	156 $\frac{3}{4}$	W	2	{ East of the Nab Rock...	1.40	{ 210 1 $\frac{1}{2}$ in. 4 2 in.	5 $\frac{1}{2}$
12	Warner	145 $\frac{3}{4}$	W	1	{ East end of Warner Sand.	2.33	{ 210 G 1 $\frac{1}{2}$ in. 150 P 1 $\frac{1}{2}$ in.	13
2	Calshot	129 $\frac{1}{4}$	W	1	{ Fairway to Southampton	2.14	{ 90 G 1 $\frac{1}{2}$ in. 45 B 1 $\frac{1}{2}$ in.	3 $\frac{1}{2}$
8	Shambles	158 $\frac{1}{2}$	W	1	{ East end of the shoal	1.40	{ 210 1 $\frac{1}{2}$ in. 4 2 in.	15
45	Seven Stones ..	211 $\frac{3}{4}$	W	2	{ East of the rocks	1.40	315 1 $\frac{1}{2}$ in.	42
9	English and Welsh Grounds }	158 $\frac{3}{4}$	W	1	{ Fairway, Bris- tol Channel.	1.42	210 1 $\frac{1}{2}$ in.	5 $\frac{1}{2}$
22	Breaksea	158 $\frac{1}{2}$	W	1	{ Off Breaksea Point, Bris- tol Channel	1.42	{ 210 1 $\frac{1}{2}$ in. 30 2 in.	8
41	Helwick	183 $\frac{3}{4}$	I	1	{ W. end of the sand	1.42	210 1 $\frac{1}{2}$ in.	16 $\frac{1}{2}$
43	Scarweather ..	195 $\frac{3}{4}$	I	1	{ W. end of the sand	1.42	210 1 $\frac{1}{2}$ in.	1.

* P 1825 the Gull had one mast and a yard, from th

VESSELS (Continued).

Hiding Cable last shifted.	No. of Lights	Character of Lights.	Height of Light Feet.	Lights, how placed.	Interval of Revolu- tion—Minutes.	Visible Miles.	First moored A. D.	REMARKS.
1874 Oct.	1	Revolving	36	....	$\frac{1}{2}$	10	1848	
1874 Sept.	1	Rev. Red	35	....	$\frac{1}{2}$	10	1856	
1871 Dec.	2	Fixed { H 34 L 10 Rd		Unequal height	.. { 10 4		1848	
1875 July	1	Rev. Green	37		$\frac{1}{2}$	10	1874	{ Has Diamond & $\frac{1}{2}$ Diamond
1875 Aug.	3	Fixed { 34 25 20		Triangular	..	10	1795	
1872 ...	1	Revolving	38	....	$\frac{1}{2}$	10	1809	{ Altd. 1860 from 2 fixed Mov. S. 1 m.
1875 July	1	Fixed	34	....	..	10	1832	{ 1874, Fog Horn 1875
1874 July	1	Rev. Red	25	....	$\frac{1}{2}$	10	1860	
.....	1	Revolving	36	....	{ 3 qk. flashes }	10	1875	{ Has 2 Globes 1 small 1 large
1875 Aug.	1	Rev. R&W	34	....	..	10	1788	{ Altd. 1873 from W fixed Fog Horn 1873
1873 Aug.	2	Fixed { 36 27		Unequal height	.. { 10 9		1813	{ Name alt. from Bem- bridge, 1865
1875 June	1	Revolving	37	....	1	10	1854	
1874 July	1	Revolving	32	....	1	9	1842	
1874 July	1	Fixed	35	....	..	10	1859	
1874 July	2	Fixed { 38 20		Unequal height	.. { 10 9		1841	{ Fog Horn 1871
1874 Oct.	1	Revolving	37	....	1	10	1838	
1873 Sept.	2	{ H. Rev. } { L Fix Rd }	{ 35 .14 }	{ Unequal height }	$\frac{1}{2}$ { 10 4 }		1866	
1875 Aug.	1	Revolving	36	....	1	10	1846	{ Fog Horn 1875
1875 Feb.	1	Rev. Red	37	....	$\frac{1}{3}$	10	1862	Has 1 $\frac{1}{2}$ globes

arms of which two fixed lights were exhibited.

LIGHT

No	NAME.	Builder's Tonnage.	Material.	Masts.	Position.	Moorings.		Depth of water— Fathoms.
						Mush- room. cwt.	Chain. Fathoms.	
36	Cardigan Bay..	183 $\frac{1}{4}$	I	1	E. of Fairway	1.40	250 1 $\frac{1}{2}$ in.	35
27	Carnarvon Bay.	158 $\frac{9}{16}$	W	1	E. of Fairway	1.42	250 1 $\frac{1}{2}$ in.	30
38	Morecambe Bay	181 $\frac{1}{4}$	W	1	Off the Bay..	1.42	210 1 $\frac{1}{2}$ in. 28 2in.	12
23	Bahama Bank..	158 $\frac{9}{16}$	W	2	{ N. E. of the Isle of Man }	1.42	210 1 $\frac{1}{2}$ in. 20 2in.	11
40	London Spare..	183 $\frac{5}{8}$	I	3	Blackwall ...	1.42	210 1 $\frac{1}{2}$ in.	..
33	London Spare..	158 $\frac{9}{16}$	W	1	Blackwall ...	1.32	210 1 $\frac{1}{2}$ in.	..
37	Milford Spare..	183 $\frac{5}{8}$	I	2	Milford	1.42	210 1 $\frac{1}{2}$ in.	..
11	Yarmouth Spare	158 $\frac{1}{4}$	W	3	Yarmouth	1.32	210 1 $\frac{1}{2}$ in.	..
24	London Spare..	158 $\frac{9}{16}$	W	1	Blackwall			

VESSELS (Continued).

Riding Cable last shifted	No. of Lights.	Character of Lights.	Height of Light. Feet.	Lights, how placed.	Interval of Revolu- tion—Minutes.	Visible Miles.	First moored A.D.	REMARKS.
1873 Dec.	1	Rev. Red	37	....	$\frac{1}{2}$	..	1860	{ Mov. 4 miles
1873 Aug.	1	Rev. R & W	36	....	$\frac{1}{10}$	10	1869	{ NW. 1870
1871 Sept.	1	Rev. Red	38	....	$\frac{1}{10}$	10	1863	{ Has 2 globes
								{ Mov. 4 miles
								{ WNW. 1863
1872 Sept.	2	Fixed	{ 36	{ Unequal	{ ..	{ 10	1847	
			{ 27	{ height }		{ 7 }		
....	..	F 2 R 1	..		..	..	..	Fog Horn 1876
....	..	F or R	..		..	..	..	
....	..	F 1 R 1	..		..	..	..	
....	..	F or R	..		..	..	..	

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Le Port de Kurrachee

SON MOUVEMENT COMMERCIAL ET ÉCONOMIQUE

POUR L'ANNÉE FISCALE 1903-1904

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Le port de Kurrachee (Sindh).

Mouvement commercial et économique du port pour l'année fiscale 1903-1904.

Comme je le faisais prévoir dans mes précédents rapports, l'augmentation de la richesse et du trafic du port de Kurrachee n'a fait que se développer pendant l'année fiscale se terminant au 31 mars 1904.

Avant d'entrer dans le détail du mouvement commercial et maritime de ce port d'avenir, un chiffre est à citer pour donner, d'un seul coup, une idée des progrès immenses accomplis. Le trafic du port avec les ports étrangers, en dehors de l'Inde, s'est élevé à la somme globale de 329 millions de francs marquant une augmentation de 99 millions de francs, dans cette seule année, sur l'année précédente. Le trafic de port à port a été de 93,687,000 francs, soit un total général de 422 millions de francs, (monnaies, métaux précieux, et transactions du Gouvernement non compris). Aux prochaines statistiques, il atteindra, sûrement, un demi-milliard de francs.

Comme le commerce de Kurrachee avec les ports de l'Inde a diminué dans l'année de 2 millions 1/2 de francs, il en résulte que toute l'augmentation a porté exclusivement sur le trafic avec les ports étrangers, le seul qui nous intéresse directement, et où la France n'a pas, malheureusement, la part qu'elle devait avoir.

La province du Sindh, dont Kurrachee est le port, relève administrativement de la Présidence de Bombay, et en est la province la plus prospère. La terre y est

excellente, l'irrigation très développée et les communications faciles avec le Bélouchistan, les provinces frontières du Nord-Ouest et le Punjab. Un service régulier des navires de la « British India Company » a lieu trois fois par semaine entre Bombay et Kurrachee : un des voyages, celui du mardi, comprend dans son itinéraire, les ports de la côte du Kathiawar, Veraval, Mangrol, Porebunder, Cutch Mandvi, et enfin, Kurrachee : le même jour, a lieu un autre départ pour ce même port, et les ports du Golfe Persique, Mascate, Bunder Abbas, Linga, Bahrein, où sont les pêcheries de perles, Bender Bouchir, Fas, Mahomerah et Basorah. Le vendredi, également deux départs l'un, pour Cutch Mandvi et Kurrachee, le second, qui a, quelque fois lieu le samedi. à l'arrivée du courrier apporté par le paquebot de la C^{ie} Péninsulaire et Orientale, pour les ports du Golfe Persique, prenant à Kurrachee, s'il y a lieu, les passagers et les marchandises partis de Bombay le mardi. En outre, il y a un chemin de fer entre Bombay et Kurrachee lequel emprunte les lignes du Bombay-Baroda Railroad, et les lignes du Rajputana. Les communications entre les deux grands ports de la présidence sont donc fréquentes et faciles.

La population de Kurrachee est de plus de 150,000 habitants.

Développement considérable du mouvement commercial.— En cinq années, c'est-à-dire de 1899-1900 à l'année fiscale que nous examinons, 1903-1904, les importations de marchandises ont passé de 72 millions à 93 millions de francs (29 pour cent d'aug-

mentation) et les exportations de 107 millions $1/2$ à 235 millions $1/2$ de francs (109 pour cent). Ce sont surtout les exportations qui ont augmenté, ayant plus que doublé.

Le commerce extérieur de Kurrachee a surtout lieu avec l'Europe, représentant 92 pour cent du total dont 59 pour cent pour l'Angleterre seule. L'Afrique, l'Asie et l'Amérique se partagent à peu près, également, les 8 pour cent restant. Mais ce chiffre de 59 pour cent donné en bloc pour la part de l'Angleterre, mêlant ensemble les importations et les exportations ne donne pas une idée exacte des choses. Nous y reviendrons en examinant les chiffres par le menu.

Balance du commerce.— Il y a peu de ports pour lesquels la balance du commerce soit plus favorable que pour Kurrachee, qui exporte près de 2 fois $1/2$, exactement 2. 45 plus qu'il n'importe. Ses ventes sont donc de beaucoup supérieures à ses achats. L'équilibre tendra à se rétablir, quand l'Afghanistan sera ouvert plus librement au commerce, et quand les nouvelles voies de communications projetées seront terminées.

Mouvement général.— Si on examine en détail les importations et exportations des principaux pays d'Europe au port de Kurrachee en 1903-1904, on trouve que le total est pour l'Europe entière de 78 millions $1/4$ de francs pour l'importation et de 213 millions de francs pour l'exportation se décomposant ainsi :

PRINCIPALES CONTRÉES	IMPORTATIONS en milliers de francs.	EXPORTATIONS en milliers de francs.
Angleterre.....	58,000	131,000
Allemagne.....	3,393	29,660
Belgique.....	6,690	27,000
Autriche.....	4,757	3,360
France.....	556	8,578
Italie.....	245	11,600

Comme les exportations du port sont, au total, plus du double de ses importations, il n'est pas surprenant que chaque pays en particulier achète plus qu'il ne vend, mais l'Angleterre est le seul pays pour lequel la proportion normale soit maintenue : elle achète, en effet, un peu plus du double du montant de ses ventes. Le chiffre de 59 pour cent donné plus haut d'après les documents Anglais comme représentant la part de l'Angleterre dans le commerce total demande à être joint aux chiffres suivants comme corollaires : sur 78,250,000 fr. vendus par l'Europe au port de Kurrachee, l'Angleterre vient pour 74 pour cent, au lieu que sur les 213 millions de francs de produits que le port vend à l'Europe, elle ne vient que pour 131 millions c'est-à-dire 61.5 pour cent. Bien que l'écart soit moins grand qu'au port de Bombay, on y retrouve, en somme, le même état de choses, c'est-à-dire, que l'Angleterre vend plus qu'elle n'achète dans les ports de ses colonies, laissant les nations étrangères apporter leurs capitaux en échange des produits indiens. L'Europe, en dehors de l'Angleterre, ne vend en effet

à Kurrachee que pour environ 20 millions de francs de marchandises et y achète pour plus de 80 millions, quatre fois davantage. Le même phénomène se produit dans tous les ports des colonies Anglaises : il n'est donc pas surprenant que la prétendue réforme financière qui propose de surtaxer les quelques modestes importations étrangères dans ces ports, au risque d'effaroucher les gros acheteurs qui font la prospérité des agriculteurs, et la richesse du Trésor, ne soit accueillie dans l'Inde qu'avec un enthousiasme des plus modérés, pour ne pas dire avec une véritable terreur.

Détail des exportations.— Les exportations de marchandises du port de Kurrachee (225 millions de francs environ) comprennent la réexportation de certaines marchandises européennes (5,500,000 francs) et l'exportation de produits du sol de l'Inde (219 millions $4/2$) ; on y trouve comme articles principaux :

Marchandises.	Valeur en milliers de frs.
Blé et céréales, farine.....	132,000
Coton brut.....	47,300
Peaux et autres articles.....	22,300
Graines oléagineuses.....	17,500
Indigo.... ?.....	400
Total.....	219,500,000 fr.

Blé.— Le blé forme toujours un article important de l'exportation : les grandes plaines fertiles de la province du Sindh et de l'arrière pays en produisent d'énormes quantités dont la presque totalité, déduction faite de

la production locale, est prise par l'Angleterre, exactement en 1903-1904, 86 pour cent, soit 775,000 tonnes d'une valeur de 110 millions de francs sur un total de 869,255 tonnes exportées : Sur les 131 millions de francs représentant les achats de la Métropole au port de Kurrachee, il y a 110 millions de blé (84 pour cent). Le Sindh devient, de plus en plus, un des greniers servant à approvisionner le Royaume-Uni et aidant à parer aux incertitudes et aux spéculations du marché des Etats-Unis. C'est un centre de production analogue et répondant aux mêmes fins, que pour le blé, que cherche à obtenir pour le coton, dans le Sindh l'association créée à cet effet à Londres. De cette énorme quantité de blé, la Belgique a acheté à Kurrachee 83,500 tonnes (9.6 pour cent) et la France un peu plus de 16,000 tonnes (1.8 pour cent). Le reste a été en Allemagne, en Hollande, en Egypte, (surtout au port Souakim), à Aden et en Arabie.

Farine.— Quant à la farine, dont il a été exporté cinq millions 1/2 de livres, elle a été toute vendue dans les ports de l'Afrique Orientale et de l'Océan Indien, et en Perse.

Indigo.— Sur les 1,291 quintaux exportés d'une valeur approximative de 400,000 francs, la Russie a pris la plus grosse part, 874 quintaux : le reste a été en Belgique, en Angleterre et en Perse.

Graines oléagineuses.— Les 76,912 tonnes exportées représentent une valeur de 18 millions 1/2 de frs. Les graines d'arachides, de pavot et de moutarde sont négligeables. Les sésames et les colzas sont les plus importantes.

Sésame.— Exportation de 251,740 quintaux, d'une valeur de 7,944,000 frs ; les plus forts acheteurs se répartissent ainsi :

Belgique.....	109,010 quintaux
France.....	61,837 —
Allemagne.....	49,306 —
Autriche Hongrie.....	30,483 —

Colzas.— Pour les colzas (387,632 quintaux, d'une valeur de 7,800,000 frs).

L'Allemagne vient au premier rang comme le montre le tableau suivant :

Allemagne.....	158,635 quintaux
Angleterre.....	103,680 —
Belgique.....	76,850 —
France.....	48,250 —

Le reste a été en Italie.

Les autres graines, méritant une mention à part, sont les graines de ricin, de lin et de coton.

Ricin.— Sur une exportation de 12,848 quintaux valant 207,000 frs. la France est le premier acheteur avec 5,650 quintaux, puis l'Allemagne 4,354 quintaux, et enfin la Belgique.

Coton.— La France n'a pas importé de Kurrachee de graines de coton, et sauf environ 500 quintaux en Italie, l'Angleterre a absorbé la quasi-totalité des graines de coton exportées, 93,275 quintaux sur 921,000, d'une valeur d'à peu près 1 million de francs.

Lin.— Il en est de même des graines de lin. Sur un total de 22,139 quintaux, d'une valeur d'à peu près

600,000 frs., 19,000 quintaux ont été pris par l'Angleterre. Il n'en a pas été acheté pour le compte français.

Laine.— La laine a formé également un article important d'exportation, d'une valeur de 8,885,000 frs. représentant 13 millions de livres, dont 12 millions et demi achetées par l'Angleterre, le reste allant par petits lots en Belgique et aux États-Unis.

Peaux de bœufs.— La France a été le premier acheteur de peaux de bœufs à Kurrachee. Sur 199,000 peaux exportées, d'une valeur de 1,650,000 frs. la France en a pris 93,000, l'Italie 46,000, l'Allemagne 28,500, la Belgique et l'Angleterre se partageant le reste.

Peaux de chèvres.— Pour les peaux de chèvres, les États-Unis sont les premiers acheteurs. Sur un total de 3 millions de peaux exportées, d'une valeur de 6 millions et demi de francs, ils ont pris 1,960,000 peaux, l'Angleterre 672,000, et la France et l'Allemagne chacune à peu près le même nombre 198,000 peaux.

Os pour engrais.— Un autre article important est formé par les os pour engrais. Il en est sorti en 1903-1904 plus de 29,000 tonnes, d'une valeur de 2,900,000 francs. L'Angleterre et la Belgique ont acheté, chacune, huit mille tonnes et demie, la France un peu plus de sept mille tonnes : le reste est allé en Allemagne.

Détail des importations

Les principaux articles d'importation sont les sui-

vants, répartis par chapitres, en négligeant les chapitres dont les totaux sont inférieurs à cent mille francs :

MARCHANDISES.	QUANTITÉS OU POIDS.	VALEUR en milliers de francs.
Cotonnades en tous genres.	»	34,685
Sucre raffiné.....	54,448 tonnes.	17,566
Métaux divers... {	Acier... 30,000 —	7,356
	Fer.... 5,700 —	
	Cuivre. 1.076 quintaux.	
Pétroles et huiles minérales.	4,835,000 gallons.	4,189
Lainages et étoffes de laine.	»	3,425
Vêtements, mercerie et sou-		
liers.....	—	2,312
Produits chimiques et dro-		
gueries.....	—	2,064
Quincaillerie.....	—	1,737
Machines.....	—	1,724
Provisions et conserves...	—	1,720
Filés de coton.....	4,638,000 livres.	1,666
Dattes.....	98,970 quintaux.	1,527
Whisky.....	87,334 gallons.	1,073
Allumettes.....	—	818
Bières et Ales.....	403,000 gallons.	797
Tecks et autres bois.....	4,236 tonnes.	540
Soieries pures et mélangées.	—	488
Charbon.....	15,285 tonnes	452
Brandy.....	34,839 tonnes.	445
Peintures et couleurs....	—	309
Papeterie et papier.....	—	270
Machines à coudre.....	3,764 tonnes.	238
Clarets et autres vins de		
table.....	20,522 gallons.	235
Houblons.....	565 quintaux.	228
Sherry et Porto.....	15,583 gallons.	226
Esprits pour la médecine et		
les arts.....	90,714 gallons.	216

MARCHANDISES.	QUANTITÉS OU POIDS.	VALEUR en milliers de francs.
Champagne.....	3,664 gallons.	490
Faïences et porcelaines...	—	479
Coutellerie, etc., etc.....	—	456

Nous nous sommes un peu étendus sur le détail de ces articles d'importation qui sont ceux qui nous intéressent le plus.

En examinant les modestes quantités portées au compte de la France, il sera facile de se rendre compte des articles pour lesquels nous pourrions faire une concurrence plus active à nos rivaux. Voici ces quantités: le total en devrait être dix fois plus fort. Je ne comprends dans ce tableau que les importations supérieures à mille francs.

MARCHANDISES. venant de France.	QUANTITÉS OU POIDS.	VALEUR en milliers de francs.
Vêtements, draperie et mercerie.....	—	409
Brandy.....	6,365 gallons.	96
Laines en pièces.....	79,349 yards.	58
Vins divers (non compris les champagnes et clarets)...	—	52
Soieries en pièces.....	5,634 yards.	6
Idm. mélangées. . . .	47,493 yards.	43
Idm. diverses.	—	23

MARCHANDISES.	QUANTITÉS OU POIDS.	VALEUR en milliers de francs.
Provisions (fromages, fruits, conserves)....	137 quintaux.	17.3
Filés de coton.....	20,240 livres.	24.2
Plomb.....	448 quintaux.	17.5
Claret.....	2,464 gallons.	16.8
Champagne.....	281 gallons.	11.3
Fausse perles.....	4 quintal.	5.1
Cotonnades blanches.....	6,000 yards.	1.8

ce tableau serait simplement lamentable, si l'étude des importations des autres pays ne venait prouver qu'il est inexact.

Ainsi, au nombre des importations anglaises, on trouve 20,467 gallons de brandy d'une valeur de 320,000 frs. Ils s'agit, évidemment, d'une ré-exportation de produits français sous pavillon anglais. De même pour les liqueurs : il y a 1,581 gallons de liqueurs, importés d'Angleterre, surtout Chartreuse et Bénédictine, valant environ 45,000 frs : également une ré-exportation française, ainsi que les 82,142 gallons d'esprits employés en médecine, en parfumerie et dans les arts, soi-disant importés comme produit anglais, alors que les statistiques ne donnent que 795 gallons pour la France. Enfin, détail encore plus significatif. L'Angleterre qui ne produit pas une bouteille de champagne est portée aux statistiques comme ayant importé à Kurrachee 3,145 gallons, et la France seulement 281 gallons : nous