

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.



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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.

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. 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.

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> | | | | 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..... 1844 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 Colour altered .....1870 |
| 12 | 15 | 22 | 1811 | ..... | 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> | | | | Gallopier |
| Watch Buoy | 8 0 | Can | Black | Wood |
| <i>North End.</i> | | | | |
| North Gallopier | 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 |
| 10 | 10 | 24 | 1862 | ..... | { 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 |
| Hard | 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 | { 10 } | 36 | 1843 | 1863 | HB Cl. 1852 |
| { 20 | { 14 } | | | | 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> | <i>Ft. n.</i> | | | |
| 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 | First | Last | REMARKS. | | |
|-------------------------------|----------------|----------------------|-------|----------|---|--|--|
| Sinker. Cwt. | Chain. Fms. | LWST. Feet. | Laid. | Removal. | | | |
| (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 | | | | |
| 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 | | | | |
| } Colour altd. from W ...1869 | | | | | | | |
| 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 |
| L 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. | Intensity of Revolving Light—Miles. | 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 1 $\frac{1}{2}$ 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 1 $\frac{1}{2}$ 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 1 $\frac{1}{2}$ 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.

| 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. | 11 |

* 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 | .... | $\frac{1}{2}$ | 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 | .. | 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 | .. | .... | .. | .. | .. |  |

ALPHABETICAL LIST OF BUOYS.

| | Page. | | ag. |
|----------------------------|-------|-----------------------------|-----|
| A. Aberdovey Inner | 30 | B. Bolivar | 32 |
| Aberdovey Outer | 30 | Bondicar Bush | 20 |
| Air | 32 | Boulder | 22 |
| Air, S.E. | 32 | Bramble, N.W. | 24 |
| Aldboro' Napes | 12 | Bramble, West | 24 |
| Aldboro' Ridge | 12 | Brake, Middle | 22 |
| Andrews | 12 | Brake, North | 22 |
| B. Bahama Bank Light Watch | 34 | Brake, South | 22 |
| Bar, Bideford | 30 | Breaksea | 28 |
| Bar, Colne River | 10 | Broadstairs Knoll | 22 |
| Bar, East | 34 | Bug, No. 1. | 34 |
| Bar, North | 22 | Bug, No. 2. | 34 |
| Barnard, East | 14 | Bug, No. 3. | 34 |
| Barnard, Inner | 14 | Bull Hill | 24 |
| Barnard, South | 14 | Bullock Patch | 22 |
| Barnard, S.W. | 14 | Burlingan | 32 |
| Barnard, West | 14 | Burnham Flats... .. | 18 |
| Barrow, East | 8 | Burnham Ridge | 18 |
| Barrow, Middle | 8 | Bunt Head | 22 |
| Barrow, N.E. | 8 | Bunt, N.W. | 22 |
| Barrow, West | 8 | Buxey, North | 10 |
| Bartholomew Ledge | 26 | Buxey, South | 10 |
| Bawdsey, N.E. | 12 | Buxey, West | 10 |
| Bawdsey, S.W. | 12 | Bwch | 30 |
| Beach End | 12 | C. Caermarthen, Fairway ... | 28 |
| Bench Head | 10 | Caermarthen, Swatchway | 28 |
| Black Hill | 26 | Caistor, Elbow | 16 |
| Black Rock | 24 | Caistor Middle | 16 |
| Black Tail Spit | 8 | Caistor, North | 16 |
| Blakeney Overfalls | 18 | Caistor, South | 16 |

| | Page. | | Page. |
|---------------------------|--------|-------------------------------|--------|
| C. Cant | 2 | C. Corton, N.W. | 14 |
| Cardiff, East | 30 | Corton, S.E. | 16 |
| Cardiff, Hook | 30 | Corton, South | 16 |
| Cardiff, Middle | 30 | Corton, S.W. | 14 |
| Cardiff, Spit | 30 | Cork Sand | 12 |
| Cardiff, West | 30 | Conway River, South Deep— | |
| Cardigan Light Watch ... | 30 | No. 1 | 32 |
| Carnarvon Bay Light Watch | 30 | No. 2 | 32 |
| Castle Ledge | 26 | No. 3 | 32 |
| Causeway | 30 | No. 4 | 32 |
| Causey Gut | 26 | Conway River, North Deep— | |
| Cawdy | 34 | No. 1 | 32 |
| Chapel | 30 | No. 2 | 32 |
| Chapel, West | 30 | No. 3 | 32 |
| Cheekstone (Dartmouth)... | 26 | No. 4 | 32 |
| Cheekstone (Exmouth) ... | 26 | Columbine | 6 |
| Chester Bar | 32 | Columbine Spit | 6 |
| Christ Church Ledge ... | 22 | Covehithe | 14 |
| Cliff Foot Rocks | 12 | Cross Sand, East | 16 |
| Cliff, North | 12 | Cross Sand, Middle | 16 |
| Clipera Rocks | 32 | Cross Sand, North | 16 |
| Coal Rock | 32 | Cross Sand, South | 16 |
| Cockburn Shoal | 30 | Culver, East | 30 |
| Cockle Knowl | 16 | Culver, West | 30 |
| Cockle, North | 16 | Cutler | 12 |
| Cockle, N.E. | 16 | D. Danger Patch | 34 |
| Cockle, S.E. | 16 | Days Ledge | 24 |
| Cockle Spit, West | 16 | Deal Bank | 22 |
| Congar Rocks | 24, 26 | Deep | 34 |
| Constable | 32 | Dike | 22 |
| Coquet, N.E. | 20 | Docking, N.E. | 18 |
| Coquet, N.W. | 20 | Docking, West | 18 |
| Coquet, S.W. | 20 | Docking, S.E. | 18 |
| Corton, N.E. | 16 | Double Ledge | 24, 26 |
| Corton, North | 16 | Dowsing, N. Inner | 18 |

| | Page. | | Page. |
|----------------------------|--------|--------------------------|-------|
| D. Dowsing, Outer N. End | 18 | G. Girdler, South | 4 |
| Dowsing, Outer Light Watch | 18 | Girdler, S.E. | 4 |
| Dowsing, South | 18 | Girdler Spit | 2 |
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ÉTUDES ÉCONOMIQUES SUR L'INDE ANGLAISE

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PAR

LOUIS VOSSION

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MEMBRE DE LA SOCIÉTÉ D'ÉCONOMIE POLITIQUE DE PARIS

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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