

LLOYD'S PROVING HOUSE—CRADLEY HEATH,
FOR TESTING ANCHORS AND CHAIN CABLES.

(L.P.H.-C.H.)

LICENSED BY THE BOARD OF TRADE,
UNDER THE ANCHORS AND CHAIN CABLES ACT, 1899.


(62 & 63 VICT., CH. 23.)



No. of this Certificate 49897

Cradley Heath. 25th June 1934.

This is to Certify that the Short Link Chain Cable described herein has been proved to the breaking and tensile strains appropriate for the size of Cable, as set forth in the Second Schedule to the Anchors and Chain Cables Act, 1899, or as approved by the Board of Trade under Section 8 of the said Act, at the above Testing Establishment, by Apparatus and Machinery therein, and at present licensed by the Board of Trade for the testing of Anchors and Chain Cables, and has been examined, after having been tested, weighed, and marked as under; and that the following particulars are correct:—

| | | | | | |
|--|---------------------------------|-----------------------|-----------------------------------|-------------------|---------------------|
| Total length of Chain | 15 $\frac{1}{6}$ fms | Weight | Cwt. 5 . 3 . 5. grs. lbs. | Number of Swivels | — |
| No. of Shackles | 1 Joining — End | No. of Spare Shackles | — | Length of Link | 3 $\frac{13}{16}$. |
| Size | $\frac{13}{16}$ inch Short Link | Breadth of ditto | 2 $\frac{13}{16}$. | | |
| Breaking Strain (applied by Machine No. 24) to 3 Links cut out of each length of 15 fathoms | | | | 15 · 16 · 0 · 0. | |
| Tensile Strain (applied by Machine No. 25) | | | | 7 · 18 · 0 · 0. | |
| Mark 24 · 25 · 33 L.P.H.—C.H. 49897. 7 · 18 · 0 · 0 B.  T. 15 · 16 · 0 · 0. | | | | | |
| Maker's Name _____ | | | | | |
| Per _____ | | | | | |

Witness my hand,
V. L. Smith

SUPERINTENDENT.

Appointed by the Committee of Lloyd's Register of Shipping.

This form of Certificate is only to be used when Cables are tested in accordance with the Anchors and Chain Cables Act, 1899.

NOTE. If the Superintendent is unable to fill in any of the particulars for which space is provided, the space should be overlined, and no alterations in or additions to, this Certificate are to be made except by the Superintendent.



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Lloyd's Register
Foundation



Name and Official No. of Ship to which the Cable described herein has been supplied

MOTOR VESSEL "LIZZIE & ANNIE" of HULL

Signature of person responsible for the accuracy of the above

W. Engledow

CONDITIONS ON WHICH THIS CERTIFICATE IS ISSUED.

Should the Chain described herein be lost or destroyed, this Certificate is to be returned to the Committee of Lloyd's Register of Shipping, for the purpose of being cancelled. If the Chain be impaired, or otherwise altered, so as to destroy its identity with the Certificate, the facts are to be reported either to the Secretary or one of the Society's Surveyors in order that the Certificate may be altered accordingly.

EXTRACT FROM THE RULES OF LLOYD'S REGISTER OF SHIPPING. FOR STEAM VESSELS.—TABLE No. 53.

| Equipment Letters. | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s | t | u | v | w | x | y | z | at |
|---------------------------|-----------------|-----------------|-----------------|-----------------|------------------|-----|------------------|------------------|------------------|-----------------|------------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Minimum Sizes of Chains. | $1\frac{1}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ | $1\frac{5}{8}$ | 1 | $1\frac{1}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ | $1\frac{5}{8}$ | $1\frac{1}{2}$ | $1\frac{7}{8}$ | $1\frac{1}{2}$ | $1\frac{9}{8}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{8}$ | $2\frac{3}{8}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | |
| Statutory Proof. | $8\frac{5}{16}$ | $10\frac{1}{8}$ | $11\frac{7}{8}$ | $13\frac{3}{4}$ | $15\frac{8}{16}$ | 18 | $20\frac{3}{16}$ | $22\frac{3}{4}$ | $25\frac{3}{8}$ | $28\frac{1}{8}$ | 31 | 34 | $37\frac{1}{8}$ | $40\frac{5}{16}$ | $43\frac{9}{16}$ | $47\frac{5}{16}$ | $51\frac{1}{4}$ | $55\frac{1}{8}$ | $59\frac{1}{8}$ | $63\frac{1}{4}$ | $67\frac{5}{16}$ | 72 | $76\frac{5}{16}$ | $81\frac{1}{4}$ | $86\frac{1}{8}$ | $91\frac{1}{8}$ | $96\frac{1}{4}$ |
| Lengths required. | 120 | 120 | 135 | 165 | 165 | 165 | 165 | 195 | 195 | 210 | 210 | 210 | 210 | 210 | 240 | 240 | 240 | 240 | 240 | 240 | 270 | 270 | 270 | 270 | 270 | 270 | 270 |
| Minimum Weights required. | 29 | $34\frac{1}{2}$ | 46 | $64\frac{1}{4}$ | $74\frac{1}{2}$ | 84 | $95\frac{1}{4}$ | $126\frac{1}{4}$ | $141\frac{1}{4}$ | 168 | $185\frac{1}{2}$ | 203 | $222\frac{1}{2}$ | 242 | $298\frac{3}{4}$ | $319\frac{1}{2}$ | $344\frac{3}{4}$ | $370\frac{1}{2}$ | $397\frac{3}{4}$ | 425 $\frac{1}{2}$ | $511\frac{1}{2}$ | $538\frac{3}{4}$ | $573\frac{3}{4}$ | $608\frac{3}{4}$ | $645\frac{3}{4}$ | $682\frac{1}{4}$ | $720\frac{3}{4}$ |

| Equipment Letters. | bt | ct | dt | et | ft | gt | ht | it | jt | kt | lt | mt | nt | ot | pt | qt | rt | st | tt | Letters. |
|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|------------------|-------------------|----------|
| Minimum Sizes of Chains. | $2\frac{6}{16}$ | $2\frac{7}{16}$ | $2\frac{8}{16}$ | $2\frac{9}{16}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | 3 | $3\frac{1}{16}$ | $3\frac{1}{16}$ | $3\frac{1}{16}$ | $3\frac{1}{16}$ | $3\frac{1}{16}$ | $3\frac{1}{16}$ | $3\frac{1}{16}$ | $3\frac{1}{16}$ | In. |
| Statutory Proof. | $101\frac{5}{16}$ | $106\frac{9}{16}$ | $112\frac{5}{16}$ | $116\frac{7}{16}$ | $120\frac{9}{16}$ | $125\frac{1}{16}$ | $129\frac{3}{16}$ | $133\frac{4}{16}$ | $137\frac{6}{16}$ | $141\frac{7}{16}$ | $145\frac{8}{16}$ | $149\frac{8}{16}$ | $153\frac{3}{4}$ | $157\frac{7}{16}$ | $161\frac{6}{16}$ | $165\frac{4}{16}$ | $169\frac{1}{8}$ | $172\frac{3}{4}$ | $176\frac{4}{16}$ | Tons. |
| Lengths required. | 300 | 300 | 300 | 300 | 300 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | Fms. |
| Minimum Weights required. | $844\frac{1}{4}$ | $890\frac{1}{4}$ | 940 | 989 | 1040 | 1200 | 1258 | 1317 | 1378 | 1440 | 1503 | 1568 | 1634 | 1701 | 1769 | 1839 | 1910 | 1983 | 2057 | Cwts. |

FOR SAILING VESSELS.—TABLE No. 54.

| Equipment Letters. | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s | t | u | v | w | x | y | z | Letters. |
|---------------------------|-----------------|-----------------|-----------------|-----------------|------------------|-----|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|----------|
| Minimum Sizes of Chains. | $1\frac{1}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ | $1\frac{5}{8}$ | 1 | $1\frac{1}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ | $1\frac{5}{8}$ | $1\frac{1}{2}$ | $1\frac{7}{8}$ | $1\frac{1}{2}$ | $1\frac{9}{8}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{8}$ | $2\frac{3}{8}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | In. |
| Statutory Proof. | $8\frac{5}{16}$ | $10\frac{1}{8}$ | $11\frac{7}{8}$ | $13\frac{3}{4}$ | $15\frac{8}{10}$ | 18 | $20\frac{3}{10}$ | $22\frac{3}{4}$ | $25\frac{3}{8}$ | $28\frac{1}{8}$ | 31 | 34 | $37\frac{1}{8}$ | $40\frac{5}{10}$ | $43\frac{9}{10}$ | $47\frac{5}{10}$ | $51\frac{1}{4}$ | $55\frac{1}{8}$ | $59\frac{1}{8}$ | $63\frac{1}{4}$ | $67\frac{5}{10}$ | 72 | $76\frac{5}{10}$ | $86\frac{1}{8}$ | $96\frac{1}{4}$ | $101\frac{1}{2}$ | Tons. |
| Lengths required. | 120 | 120 | 135 | 165 | 165 | 165 | 165 | 195 | 195 | 210 | 210 | 240 | 240 | 240 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 300 | 300 | 300 | Fms. |
| Minimum Weights required. | 29 | $34\frac{1}{2}$ | 46 | $64\frac{1}{4}$ | $74\frac{1}{2}$ | 84 | $95\frac{1}{4}$ | $126\frac{1}{4}$ | $141\frac{1}{4}$ | 168 | $185\frac{1}{2}$ | $232\frac{1}{4}$ | $254\frac{1}{4}$ | $276\frac{3}{4}$ | 336 | $359\frac{1}{2}$ | $387\frac{3}{4}$ | $416\frac{3}{4}$ | $447\frac{1}{2}$ | $478\frac{1}{2}$ | $511\frac{1}{2}$ | $538\frac{3}{4}$ | $573\frac{3}{4}$ | $717\frac{1}{2}$ | 801 | $844\frac{1}{4}$ | Cwts. |

28,6,23.

There should be included in the above weights 2 End Shackles to each Cable; that is 4 for each outfit which contains two Cables.