

# RIVER WEAR COMMISSION, PUBLIC CHAIN AND ANCHOR TESTING ESTABLISHMENT.

LICENSED BY THE BOARD OF TRADE,  
UNDER THE CHAIN CABLES AND ANCHORS ACTS, 1864 TO 1874.

(27 & 28 VIC., CAP. 27—34 & 35 VIC., CAP. 101, and 37 and 38 VIC., CAP. 51.)



And approved by the Committee of Lloyd's Register of British and Foreign Shipping.

Breaking Machine No. 16.) 1891. JS R.W.C.P.T. S.B.T.  
Tensile Machine .. No. 17.)

No. of this Certificate 9490 South Dock, Sunderland. 1<sup>st</sup> Nov. 1891.

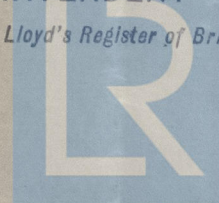
This is to Certify that the 7/8 Close link Chain Cable described herein has been proved at the above Establishment to the appropriate strains for the size of Cable, as set forth in the Schedule of the Order in Council, dated the 12th day of May, 1874, which Order in Council specifies the various breaking and tensile strains to be applied to Chain Cables, by Apparatus and Machinery licensed subsequently to the 1st of January, 1873, by the Board of Trade, and at present licensed by the Board of Trade, and has been examined, after having been tested, weighed, and marked as under; and that the following particulars are correct.

Total length of Chain <u>45 fms</u>	Weight	Cwt. <u>10</u> qrs. <u>3</u> lbs. <u>0</u>	Number of Swivels <u>Nil</u>
Size <u>7/8 inch Close Link</u>	No. of Shackles <u>2</u> Joining <u>1</u> End	Length of Link <u>2 7/8</u> <u>3 1/16</u>	Breadth of ditto <u>2 1/16</u>
Breaking Strain (applied by Machine No. 16) to 3 Links cut out of each length of 15 fathoms			<u>9 1/4</u> Tons.
Tensile Strain (applied by Machine No. 17)			<u>4 7/8</u> Tons.
Mark <u>16. 14-91</u> R.W.C.P.T. <u>9. 5. 9490.4 12. 2</u> S.B.T.			
Maker's Name <u>S. Taylor &amp; Sons</u> <u>near Dudley</u>		Intended for Ship <u>City of London</u> Tons.	
Per <u>Witness my hand,</u>			

This form of Certificate is only to be used when Cables are tested in accordance with the Order in Council of the 12th May, 1874.

Approved by the Committee of Lloyd's Register of British and Foreign Shipping.

SUPERINTENDENT



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Foundation

NW 824-0034

CONDITIONS ON WHICH THIS CERTIFICATE IS ISSUED.

Should the Chain be impaired, or otherwise altered, so as to destroy its identity with the Certificate, the facts are to be reported to the Superintendent in order that the Certificate may be corrected accordingly.

EXTRACT FROM THE RULES OF LLOYD'S REGISTER OF BRITISH & FOREIGN SHIPPING—TABLE No. 22.

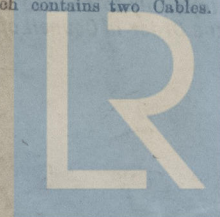
FOR STEAM VESSELS.

Numbers for Iron and Steel Vessels.	2750	3750	4630	5420	6150	6840	7490	8670	9770	10790	11740	12620	13450	15120	16720	18260	19780	21280	24220	27140	30020	32820	35450	39600	43600	47400	51000	55000	59000	63000	
	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	aa	ba	ca	da	
Ship's Tonnage.	75	112	150	188	225	262	300	375	450	525	600	675	750	900	1050	1200	1350	1500	1800	2100	2400	2700	3000	3500	4000	4500	5000	5500	6000	6500	
Minimum Sizes of Chains.	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	1	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	2	$2\frac{1}{16}$	$2\frac{1}{16}$	$2\frac{1}{16}$	$2\frac{1}{16}$	$2\frac{1}{16}$	$2\frac{1}{16}$	$2\frac{1}{16}$	
Statutory Proof.	$8\frac{5}{10}$	$10\frac{1}{8}$	$11\frac{7}{8}$	$13\frac{3}{4}$	$15\frac{8}{10}$	18	$20\frac{3}{10}$	$22\frac{3}{4}$	$25\frac{3}{8}$	$28\frac{1}{8}$	31	34	$37\frac{1}{8}$	$40\frac{1}{10}$	$43\frac{9}{10}$	$47\frac{5}{10}$	51	$55\frac{1}{8}$	$59\frac{1}{8}$	$63\frac{1}{4}$	$67\frac{5}{10}$	72	$76\frac{5}{10}$	$81\frac{1}{4}$	$86\frac{1}{8}$	$91\frac{1}{8}$	$96\frac{1}{4}$	$101\frac{1}{2}$	107	$112\frac{1}{2}$	
Lengths required.	120	120	135	165	165	165	165	195	195	210	210	240	240	240	270	270	270	270	270	270	300	300	300	300	300	300	300	330	330	330	330
Minimum Weights required.*	$30\frac{1}{2}$	$35\frac{3}{4}$	$46\frac{3}{4}$	66	75	$85\frac{1}{4}$	$95\frac{3}{4}$	126	140	167	184	230	252	334	361	389	419	450	481	570	608	647	686	728	770	814	944	995	1047	1047	

FOR SAILING VESSELS.

Numbers for Iron and Steel Vessels.	1900	2500	3100	3650	4200	4700	5150	6000	6800	7550	8250	8900	9600	10800	12000	13200	14400	15500	17600	19600	21600	23400	25100	29400	33400
	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
Ship's Tonnage.	50	75	100	125	150	175	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2500	3000
Minimum Sizes of Chains.	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	1	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	$1\frac{1}{16}$	2	$2\frac{1}{16}$	$2\frac{1}{16}$	$2\frac{1}{16}$
Statutory Proof.	$8\frac{5}{10}$	$10\frac{1}{8}$	$11\frac{7}{8}$	$13\frac{3}{4}$	$15\frac{8}{10}$	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	$76\frac{5}{10}$	$86\frac{1}{8}$	$96\frac{1}{4}$
Lengths required.	120	120	135	165	165	165	165	195	195	210	210	240	240	240	270	270	270	270	270	270	270	270	300	300	
Weights required.*	$30\frac{1}{2}$	$35\frac{3}{4}$	$46\frac{3}{4}$	66	75	$85\frac{1}{4}$	$95\frac{3}{4}$	$126\frac{1}{2}$	$140\frac{3}{4}$	$167\frac{1}{2}$	$184\frac{1}{4}$	$230\frac{3}{4}$	252	$274\frac{1}{4}$	$334\frac{1}{2}$	$361\frac{1}{2}$	$389\frac{3}{4}$	$419\frac{1}{4}$	$450\frac{1}{4}$	$481\frac{1}{2}$	$513\frac{3}{4}$	$547\frac{1}{2}$	$582\frac{1}{4}$	$728\frac{1}{4}$	$814\frac{1}{2}$
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.

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



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