

## TESTS OF BOILER STEEL.

Tests of 48 Steel plates manufactured by The Steel Co. of Scotland of Glasgow for Boilers No. 255 to be constructed by The London & Glasgow S.S. Co. of Glasgow for the S.S. No. 255 building by the same firm

Date first visit 1/9 last visit 8/9/87 No. of visits 3

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 22 samples as set forth below, and the temper and bending tests to a shearing taken from each plate, with satisfactory results.

No.	Purpose.	Charge Mark.	No. of plates or bars in same charge.	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	In. Life plate wj.	J.248	10690	.94	1.25	1.175	33.3	28.3	23		
2	Shell Straps	C.243	10713	1.16	1.24	1.438	42.4	29.4	25.5		} Sbl. End <sup>d</sup> B <sup>r</sup>
3	"	"	10714	"	"	"	42.2	29.3	22		
4	Btm. wing Fiebr	L.193	10724	.75	"	.93	26.6	28.6	21		} Cross piece } Single End <sup>d</sup> B <sup>r</sup>
5	"	H.199	10738	"	1.23	.923	27.6	29.9	17.5		
6	"	K.268	10778	.81	1.15	.932	27.7	29.7	23.5		
7	Shell	K.269	8506	1.26	1.14	1.436	40.6	28.2	24.5		} Cross piece
8	"	"	"	1.24	1.24	1.538	42.35	27.5	25.5		
9	Shell	K.269	8572	1.28	1.14	1.437	40.15	27.5	25.5		
10	"	"	"	1.27	1.08	1.372	39.9	29.0	26		} Cross piece
11	Btm. wing Fiebr	L.197	8578	.835	1.13	.944	27.85	29.5	24		
12	Sides	A.234	2	.555	1.09	.605	18.0	29.7	21.5		
13	" wing	H.203	6	.57	1.08	.616	18.15	29.4	23		} Cross piece
14	top	B.222	39	.585	1.09	.638	17.65	27.6	29		
15	Shell	H.204	8569	1.24	"	1.352	36.8	27.2	22		
16	"	"	"	1.25	"	1.438	40.4	28.0	21		} Cross piece
17	Shell	C.247	8581	1.24	1.15	1.426	39.9	27.9	29		
18	"	"	"	"	"	"	41.3	28.9	26.5		
19	Bk. G. Fiebr	K.268	10777	.565	1.14	.644	18.1	28.1	25		} Annealed } Cross piece
20	Shell	D.224	137	.555	1.24	.688	20.25	29.4	25		
21	"	"	"	.56	1.25	.7	20.05	28.6	25.5		
22	Shell Straps	B.224	149	.575	1.24	.738	20.35	27.5	24		} Dky B <sup>r</sup>

A.H.f. 10.9.87

GLS209-0223

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

© 2021  
 J. Roberts  
 Surveyor, Lloyd's Register  
 Glasgow  
 8/9/87



The London & Glasgow S.B.C.  
No. 255 B



© 2021

Lloyd's Register  
Foundation