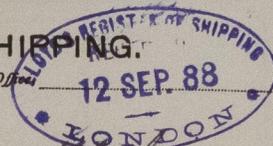


No. 8609

(Received at London Office)



TESTS OF BOILER STEEL.

Tests of 35-Steel plates manufactured by *The Steel Co of Scotland of Glasgow* for Boiler No. *2116* to be constructed by *Hawthorn Leslie & Co of Newcastle* for *their S/S. No. 287*

Date first visit *4/9/88* last visit *10/9/88* No. of visits

The *specimens* specified in the accompanying copy of Advice Notes were rolled from *charges*. The tensile test has been applied to *8* samples as set forth below, and the temper and bending tests *to a shearing off each plate with satisfactory results.*

When a second test is applied, the result should be recorded immediately below the record of the original test. The number of plates or bars included in a rejection must be clearly stated.

No.	Purpose. <i>Dimensions</i>	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	4-3 1/2 x 21 7/8 x 1/16	Stake		22	.84	1.16	.974	28.8	29.5	20.5	
2	5-2 7/8 x 14 1/2 x	J.278		33	.85	-	.986	28.5	28.9	29.5	
3	" " " "	K.297		46	.875	1.28	1.12	36.3	32.4	18	Rejected .6.
4	6-9 x 38 x 9/16	O.222		40-44	.6	1.41	.846	24.0	28.3	26.5	
5	5-4 x 38 x 1/16	L.289		4061	.66	1.48	.977	28.4	29.0	24.5	
6	5-7 1/2 x " x 9/16	L.281		4062	.57	1.16	.661	19.1	28.8	16.5	Rejected .3.
7	" " " "	F.257		4071	.58	1.28	.745	21.4	28.8	28	
8	4-9 x 40 1/2 x 1/16	S.260		4095	.71	-	.909	25.9	28.4	25.5	

DR
14/9/88

Fee £ : :
Expenses £ : :
£ : :

To be paid by



J. Roberts
Surveyor, Lloyd's Register.
Glasgow
10/9/88