

No. 2824.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office, 10 AUG. 85)

TESTS OF BOILER STEEL.

Tests of 149 Steel plates manufactured by J W Beardsmore of Glasgow for Boilers No. 190 to be constructed by W Richardson of Newcastle for S.S. No 190.

Date first visit last visit No. of visits

The 149 plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 25 samples as set forth below, and the temper and bending tests Satisfactory

The number of plates or bars included in a rejection must be clearly stated.

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.		
	6'-2 1/2" x 62" x 5/8"	M 88	925	64	111	71	2024	28.5	23		
	18'-2 1/2" x 68 1/2" x 1 1/16"	L 9	503	94	106	996	2834	28.4	26		
	" " " " " M 80	504	95	105	997	281	28.1	27			
	5'-8 1/2" x 12 1/2" x 3/4"	D 168	526	75	105	787	2264	28.8	27		
	21'-4" x 68 1/2" x 1 1/16"	B 70	566	95	103	978	2772	28.3	20		
	16'-8" x 68 1/2" x 1 1/16"	L 26	594	94	106	1005	30.1	30.	25		
	" " " " " A 223	595	92	105	966	27.52	28.4	27			
	21'-4" x 68 1/2" x 1 1/16"	B 82	628	94	105	987	2944	28.9	25		
	13'-0 1/2" x 68 1/2" x 1 1/16"	L 96	857	92	104	956	27.05	28.2	25		
	6'-2 1/2" x 55 1/2" x 3/4"	L 100	792	74	135	999	28.3	28.3	26		
	" " " " " M 94	793	75	135	1012	28.06	277	22			
	" " " " " L 100	787	75	135	1012	2942	29	25			
	12'-4 1/2" x 44 1/2" x 1 1/16"	L 80	795	62	101	828	2315	27.9	27		
	5'-1 1/2" x 64" x 45" x 3/4"	M 101	924	76	106	805	2244	27.8	28		
	" " " " " D 177	943	74	106	784	2214	28.2	26			
	" " " " " B 104	963	77	106	816	2312	28.9	26			
	16'-8" x 68 1/2" x 1 1/16"	M 223	660	9	106	954	2677	28	24		
	18'-2 1/2" x 68 1/2" x 1 1/16"	B 92	199	94	101	949	27.3	28.7	24		
	5'-8 1/2" x 20" x 3/4"	F 166	141	75	127	952	2745	28.8	26		
	6'-2 1/2" x 55 1/2" x 3/4"	L 122	309	75	128	96	2733	28.4	25		
	3'-5" x 13" x 7/8"	A 239	267	91	104	946	265	28.	28		
	" " " " " M 101	438	9	103	927	2543	27.4	24			
	2'-3" x 21 1/2" x 3/4"	F 116	427	75	104	78	2221	28.4	26		
	3'-5" x 13" x 7/8"	F 128	504	88	104	915	2418	265	25		
	6'-2 1/2" x 62" x 5/8"	F 148	646	64	132	844	2533	30	23		

D.S.
10/6/65.

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NWC795-0163

Fee £ : :
Expenses £ : :
£ : :

To be paid by Steel Manuf'n

Surveyor, Lloyd's Register,

Glasgow

7/8/85.