

No. 2255

(Received at London Office)



TESTS OF BOILER STEEL.

Tests of Steel Plate manufactured by Heardale Iron Works of Spennymoor for Boiler No. 1007 to be constructed by Blair & Co of Stockton for

Date first visit 1st Sept^r last visit _____ No. of visits 1

The Plate specified in the accompanying copy of Advice Notes were rolled from 11 charges. The tensile test has been applied to 14 samples as set forth below, and the temper and bending tests were good.

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.	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.		
	Shell		6205		1.32	1.53	2819	60.24	29.8	24	
	"		5865C		1.32	1.49	1966	56.68	28.8	29	
	" straps		6205a		1.15	1.52	1459	52.88	30.0	21	
	fus. in		6203F		1.14	1.48	1687	49.48	29.4	24	
	Back tube		6200D		.88	1.50	1320	37.42	28.5	27	
	" "		6208F		.84	1.49	1296	37.95	29.2	24	
	Combr cur bottom		6192cc		.87	1.50	1305	38.39	29.4	24	
	" "		6186B		.86	"	.840	23.21	27.6	27	
	" "		6155d		.55	1.49	.819	23.88	29.1	28	
	" "		6167n		.55	"	.819	24.33	29.4	26	
	" "		6178n		.58	"	.864	24.47	28.6	29	
	Shell		6210a		1.31	1.51	1978	53.56	27.0	27	
	"		6203G		1.30	1.50	1950	58.70	30.1	21	
	End.		" a		1.13	"	1698	47.46	28.1	25	

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by

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 Wm. A. Austin
 Surveyor, Lloyd's Register.
 West Hartlepool