

# 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 1<sup>st</sup> Sept<sup>r</sup> last visit                      No. of visits 1

The Plates 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	2.019	60.24	29.8	24	
	"		5865C		1.32	1.49	1.966	58.68	28.8	29	
	" straps		6205a		1.15	1.53	1.759	52.88	30.0	21	
	fus. in		6203F		1.14	1.48	1.684	49.48	29.4	24	
	Back Tube		6200D		.88	1.50	1.320	34.42	28.5	24	
	" "		6208F		.84	1.49	1.296	34.95	29.2	24	
	Combr. cur. bottom		6192CC		.84	1.50	1.305	38.39	29.4	24	
	" "		6186B		.86	"	.840	23.21	24.6	24	
	" "		6155d		.55	1.49	.819	23.88	29.1	28	
	" "		6164N		.55	"	.819	24.33	29.4	26	
	" "		6148N		.58	"	.864	24.44	28.6	29	
	Shell		6210a		1.31	1.51	1.978	63.56	24.0	24	
	"		6203G		1.30	1.50	1.950	58.40	30.1	21	
	End.		" a		1.13	"	1.698	44.46	28.1	25	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Wm. A. Austin

Surveyor, Lloyd's Register.

West Hartlepool