

No. 639

(Received at London Office)

TESTS OF BOILER STEEL.

Tests of 142 Steel Bars manufactured by Beardall Iron Works of Spennymoor
for Boiler No. 839 to be constructed by T. Richardson Sons of Hartlepool
for

Date first visit 19.4.87. last visit No. of visits 1

The Bars specified in the accompanying copy of Advice Notes were rolled from
5 charges. The tensile test has been applied to 12 samples as set forth below,
and the temper and bending tests were satisfactory

No.	Purpose.	Charge Mark.	No. of plates or bars in 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 3/16" R. Stay	10	12	2226	1.18	deat	1.09	30.58	28.0	32	
	" " "	"	11	"	"	"	1.09	29.46	27.0	30	
	" " "	"	10	"	1.19	"	1.11	20.80	27.7	32	
	1 1/32" " "		21	2276	1.02	"	.817	23.66	28.9	30	
	" " "		19	"	"	"	.817	24.10	29.4	28	
	1" " "		13	2273	"	"	.817	22.09	27.0	31	
	" " "		14	"	1.01	"	.801	24.10	30.0	30	
	1/2" " "		3	1580	1.50	"	1.76	48.86	26.6	26	
	" " "		2	"	1.49	"	1.74	47.10	27.0	28	
	" " "		5	"	"	"	1.74	48.20	27.7	31	
	" " "		4	"	1.50	"	1.76	48.66	27.6	32	
	1 3/4" " "		4	2851	1.76	"	2.40	60.18	27.1	30	

100
23/4/87

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Wm R. Austin

Surveyor, Lloyd's Register.

Hartlepool.