

No. 921

(Received in London Office,

## TESTS OF BOILER STEEL.

Tests of Steel plate <sup>&c.</sup> manufactured by Wendall Iron & Coal Co. of Spenny-moor  
for Boiler No. 650 to be constructed by J. L. Eltringham of South. Shields  
for

Date first visit Sept. 28<sup>th</sup>. 87 last visit Sept. 30<sup>th</sup>. 87 No. of visits Two

The plate &c. specified in the accompanying copy of Advice Notes were rolled from  
Swanton charges. The tensile test has been applied to 23 samples as set forth below,  
and the temper and bending tests have proved satisfactory.

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	4133	1	4133B	.38	1.49	.566	15.40	27.20	22.00	
	"	4073	3	4073I	.37	1.49	.551	14.95	27.10	23.00	
	"	4121	1	4121	.37	1.49	.551	15.17	27.50	27.00	
	End plate	3851	2	3851A	.66	1.49	.983	26.56	27.00	27.00	
	"	4136	2	4136C	.65	1.49	.968	26.78	27.60	25.00	
	Comb. Chamb.	4135	1	4135A	.44	1.49	.655	17.63	26.90	28.00	
	Lurnae	4133	1	4133B	.39	1.49	.581	16.07	27.60	27.00	
	Comb. Ch.	4151	1	4151C	.46	1.49	.685	19.19	28.00	25.00	
	"	4147	2	4147C	.45	1.49	.670	19.41	28.90	27.00	
	Sub plate	4110	1	4110B	.56	1.49	.834	24.10	28.80	23.00	
	"	"	"	"	.58	1.49	.864	25.00	28.90	23.00	
	End	4135	1	4135	.47	1.49	.700	18.96	27.08	20.00	
	Comb. Ch.	3347	1	3347	.45	1.49	.670	18.30	27.30	27.00	
	Lurnae Or.	3646	4	3646	.57	1.50	.875	22.88	27.20	23.00	
	Comb. Chamb.	"	2	"A	.45	1.50	.675	18.75	27.70	24.00	
	"	4174	3	4174C	.45	1.50	.675	18.96	28.00	28.00	
	Lurnae	4164	1	4164#	.39	1.50	.585	15.40	26.30	21.00	
	End	4170	4	4170D	.48	1.50	.720	19.41	27.00	23.00	
	Comb. Chamb.	3961	2	3961J	.37	1.57	.558	14.50	26.00	24.00	
	Shell	1497	1	1497	.36	1.00	.360	9.82	27.20	25.00	
	Comb. Chamb.	4128	1	4128C	.45	1.49	.670	18.96	28.20	28.00	
	Stay $1\frac{3}{4}$ "	4082	16	1	1.75	—	2.40	65.16	27.10	28.00	
	"	"	3	3	1.75	—	2.40	65.16	27.10	31.00	

14.10.87

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Henry Wilkinson,

Surveyor, Lloyd's Register,

West. Hartlepool



Strithingham's 650 Boiler  
Pad Log. "Loxford"  
Proc. Report No. 21222



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LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

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