



No. 2896.

TESTS OF BOILER STEEL.

Tests of 92 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. _____ to be constructed by Messrs Barclay Curle & Co. of Glasgow for the S.S. Cowland.

Date first visit August 21st 1885 last visit _____ No. of visits _____

The _____ specified in the accompanying copy of Advice Notes were rolled from _____ charges. The tensile test has been applied to 10 samples as set forth below, and the temper and bending tests as required by Circular No. 437.

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.		
1	Shell	25725		4326	.55	1.39	.764	21.02	27.5	28.5	
2	Front Top	4128		4298	.67	1.11	.743	20.16	27.1	27.0	
3	Back Centre	5725		4392	.60	1.39	.834	22.41	26.8	29.0	
4	Fire Box bottom	"		4550	.45	1.56	.702	20.4	29.0	25.0	
5	Side Fire box back	1539		4638	.46	1.26	.579	15.72	28.1	21.0	
6	Superheater Top	2589		6210	.63	1.49	.938	26.4	28.1	30.5	
7	Side Back Tube Plate	H774		5708	.71	1.15	.816	22.95	28.1	25.0	
8	Shell	7131		5180	.56	1.15	.644	17.71	27.5	28.0	
9	Front Tube plate	2592		2887	.50	1.69	.845	24.9	29.4	26.5	
10	Side Fire Box back	227		5062	.44	1.15	.506	13.84	27.3	26.5	

D.S.
7/9/85

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by _____

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H. M. D. one

Surveyor, Lloyd's Register.

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