

No. 5121

TESTS OF BOILER STEEL.

Tests of $\frac{1}{4}$ Steel Bars manufactured by Messrs De Colville & Sons of Motherwell for Boiler No. 957 to be constructed by Messrs Blair & Co of Stockton for Messrs C. S. Swan & Hunter S.S. N^o. 105

Date first visit _____ 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 6 samples as set forth below, and the temper and bending tests to a piece from each bar with satisfactory results

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	Stay Bar 1 1/2 Dia	A246		30	1.50	Dia 1.767	48.20	27.20	32.0		
2	- - 2 3/4	L182		198	.75	2.34	1.753	52.50	29.9	25.5	
3	- - -	-		216	.81	2.21	1.790	53.14	29.6	21.5	
4	- - 2 5/8	A236		224	.77	2.22	1.709	57.22	29.9	26.5	
5	- - -	-		234	.76	2.35	1.786	52.95	29.5	28.0	
6	- - 2 1/2	N57		272	.74	2.02	1.494	42.98	28.7	17.5	
				272	.77	1.96	1.509	43.9	29.1	23.0	

D.P. 6/7/87

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by _____



A. M. Done
 Surveyor, Lloyd's Register
 Glasgow
 27.57