

No. 5 545

(Received at London Office, 1 OCT 87)

TESTS OF BOILER STEEL.

Tests of 72 Steel Bars manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 89 to be constructed by Messrs Dunsmuir & Jackson of Glasgow for Messrs The Whitehaven Sh. Co. S. S. No. 68

Date first visit Sept 15th 1887 last visit Sept 23rd 1887 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to samples as set forth below, and the temper and bending tests to a piece from each bar with satisfactory results.

No.	Purpose.	Charge Mark.	No. of plate 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		
					Inch.	Inch.	Inch.	Tons.	Tons.	%	
1	Stay Bar 2 1/2 Dia	C974		63	126	Dia	1247	35.21	28.2	25.0	
2	" " 1 3/8 "	D826		155	1.25	"	1.217	33.20	27.0	28.0	
3	" " 1 3/8 "	A323		77	1.38	"	1.496	41.94	28.0	28.5	
4	" " 3 "	B115		173	.76	1.99	1.512	45.04	29.7	24.0	
5	" " " "	"		180	.84	2.05	1.722	46.88	27.2	24.0	

1.10.87

Fee £ : :
Expenses £ : :
£ : :

To be paid by

Surveyor, Lloyd's Register.

29.9.87