

Steel L.S. "Barnon's Castle"

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No. 807.

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 30 Steel Plates manufactured by Messrs J.W. Beardon & Co of Parkhead for Boiler No. 105 to be constructed by The Barrow Shipbuilding Co of Barrow-in-Furness for

Date first visit Dec. 28. 1902 last visit Mar. 4. 1903 No. of Visits 5

The 30 Plates specified in the accompanying copy of Advice Notes were rolled from 24 charges. The tensile test has been applied to 6 samples as set forth below, and the temper and bending tests to a shearing from each plate 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	9'6" x 81" x 11/16	1374	1095	7	1.21	1.27	1.54	22.8	26.9	22.5	
2	Outer Shell	1256	962	6	1.31	1.26	1.66	22.77	28.9	23.5	
3	Steam Dome Top	11319	686	48	1.27	1.09	1.35	17.35	28.4	23.	
4	8'6" x 38" x 5/8	11407	1020	62	1.38	1.53	2.01	24.01	28.	26.	
5	Steam Dome Shell	11246	359	41	1.53	1.35	1.72	17.27	27.2	27.	
6	Back Tube plate	1393	53	53	1.44	1.79	2.58	22.41	28.2	25	

Im 25/4/83

Fee £ : :

Expenses £ : :

£ : :

To be paid by The Steel Manufacturers.

Surveyor, Lloyd's Register,

W. W. Dove

24.4.83