

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office, RECEIVED 21st APR. 83.)

No. 492

## TESTS OF BOILER STEEL.

Tests of 9 Steel Plate manufactured by Messrs S.W. Beardmore of Parkhead.  
for Boilers Nos 145 & 117 to be constructed by M<sup>r</sup> W. Rowan of Glasgow  
for Messrs Murdoch & Murray's S.S. No 70 & 71.

Date first visit Nov. 3<sup>rd</sup> 1882 last visit Mar. 22<sup>nd</sup> 1883 No. of Visits 3

The 9 Plates specified in the accompanying copy of Advice Notes were rolled from 9 charges. The tensile test has been applied to 3 samples as set forth below, and the temper and bending tests to a shearing from each plate with satisfactory results

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	Back Tube plate	B173	1	465	.73	1.28	.934	27.2	29.1	22	
2	"	B247	1	1322	.68	1.25	.85	23.56	27.7	23.5	
3	"	743	1	239	.7	1.21	.847	24.4	28.8	24.5	

M 21/4/83

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by The Manufacturers

Surveyor, Lloyd's Register,

Glasgow 20.4.83