

s/s 'Gellivara' No. 21567

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

(Received at London Office, 8-MAR-88 LONDON)

No. 6442

## TESTS OF BOILER STEEL.

Tests of 116 Steel bars manufactured by The Steel Co<sup>y</sup> of Scotland of Newton for Boiler No. 242 to be constructed by Wallsend Ship Co<sup>y</sup> of Wallsend-on-Tyne for SS. 7<sup>th</sup> 103 building by Swan & Hunter.

Date first visit 21-2-88 last visit 2-3-88 No. of visits ✓

The \_\_\_\_\_ specified in the accompanying copy of Advice Notes were rolled from \_\_\_\_\_ charges. The tensile test has been applied to 12 samples as set forth below, and the temper and bending tests applied to one in ten bars 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	Stay bars 2 <sup>3</sup> / <sub>4</sub> "	E40		74	1.18 dia		1.094	31.6	28.8	30	
2	"	"		52	"	"	"	31.8	29	29	
3	"	"		54	"	"	"	31.6	28.8	30	
4	"	"		78	"	"	"	31.8	29	28.5	
5	"	I37		83	"	"	"	31.5	28.7	29	
6	"	"		91	"	"	"	31.9	29.1	27	
7	"	"		100	"	"	"	31.8	29	28.5	
8	"	"		109	1.19	"	1.112	32.3	29	29	
9	"	1 <sup>3</sup> / <sub>4</sub> " K40		197	"	"	"	32.1	28.8	28	
10	"	" K41		200	"	"	"	32.4	29.1	32	
11	"	2 <sup>1</sup> / <sub>4</sub> " E40		112	"	"	"	32.4	29.1	30	
12	"	"		116	"	"	"	32.1	28.8	31.5	

Fee ..... £ : :  
 Expenses £ : :  
 £ : :

To be paid by

Surveyor, Lloyd's Register,

Glasgow  
 6-3-88