

No. 21.

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 13 Steel plates manufactured by Heardale Iron Coal Co of Spennymore  
for Boiler No. 1 to be constructed by Riley Bros of Stockton  
for Swan & Humber 910 88 ship  
Date first visit 16<sup>th</sup> Oct. last visit 16<sup>th</sup> Oct. No. of Visits 1

The plates specified in the accompanying copy of Advice Notes were rolled from  
9 charges. The tensile test has been applied to 5 samples as set forth below,  
and the temper and bending tests to a sample 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	12.9 x 3-8 x 1/2	22	1	22	.5	2	1	28.12	28.12	20	
2	" " " "	60	1	60	.57	2	1.02	24.23	26.7	21	
3	6.2 x 5-4 1/2 x 9/16	85	1	85	.378	2	10.16	29.46	29	24	
4	" " " "	89	3	89C	.55	2	1.1	29.68	26.98	23	
5	6.7 x 4-6 1/2 x 7/8	38	2	38	.637	2	1.274	33.48	26.2	26	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by Manufacturers

Surveyor, Lloyd's Register,

H. Hartlepool