

TESTS OF BOILER STEEL.

Tests of 105 Steel Bars manufactured by Mearns & Co. Ltd of Sheffield
for Boilers Nos 88. 89 to be constructed by Bailey & Leatham of Hull
for 90. 91

Date first visit + last visit Aug 20th No. of visits 1

The bars specified in the accompanying copy of Advice Notes were rolled from 5 charges. The tensile test has been applied to 6 samples as set forth below, and the temper and bending tests satisfactory.

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 plate, or bars in same charge	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins.	Remarks.
					Thick.	Breadth.	Area.	Total	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
	2" <u>Stms</u>	5940	48	46	<u>1.54</u>	<u>1.86</u>	<u>49.1</u>	<u>26.3</u>	<u>23.</u>		
			<u>5225</u>								
	1 3/4 "	5930	8	10	1.77	2.46	62.72	25.5	21.		def. surf. local
	1 1/2 "	"	4	29	1.5	1.76	47.32	26.8	25.		
	"	5622	13	55	1.52	1.82	53.12	29.3	29.		
			<u>527</u>								
	"	5616	8	84	1.52	1.81	48.66	26.8	30.		
			<u>525</u>								
	1 1/4 " <u>round</u>	6059	22	1	1.26	1.22	33.03	26.6	32		
		"		4	"	"	32.87	26.4	29		

Fee £ : :
Expenses £ : :
£ : :

To be paid by

W. M. Williams
Surveyor, Lloyd's Register.
W. H. Wood
Foundation