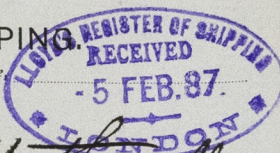


No. 4294

(Received in London Office)



## TESTS OF BOILER STEEL.

Tests of 37 Steel plates manufactured by Messrs. Rolville & Son of Allotherwell  
for Boiler No. 280 to be constructed by Messrs. Barclay Bros of Dunfermline  
for Her. S.S. No. 129

Date first visit Dec. 20th 1886 last visit \_\_\_\_\_ No. of visits \_\_\_\_\_

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

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	$2.10\frac{1}{2} \times 27\frac{1}{2} \times \frac{9}{16}$	C749			4326	.59	1.57	926	17.55	29.7	21.5
2	$15.10\frac{1}{16} \times 58\frac{3}{8} \times 1$	8876			4464	.99	1.42	1405	42.41	30.1	20.0
3	$6.8\frac{7}{8} \times 39\frac{1}{4} \times \frac{3}{8}$	11993			4472	.37	1.42	525	15.10	25.7	22.5
4	$2.10 \times 27\frac{1}{2} \times \frac{13}{16}$	8876			4498	.81	1.61	1304	39.13	30.0	25.0
5	$1.3\frac{1}{4} \times 14 \times \frac{1}{2}$	285			4526	.50	2.11	1055	27.81	26.3	30.5
6	$20.3\frac{1}{16} \times 58\frac{3}{8} \times 1$	2385			4626	1.04	1.63	1695	46.20	27.2	26.5
7	$15.7\frac{1}{2} \times 58\frac{3}{8} \times 1$	8631			4908	1.01	1.36	1373	39.0	28.4	27.5

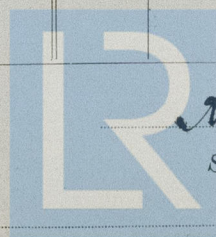
D.P.  
18/2/87

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by \_\_\_\_\_



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H. M. Dove  
Surveyor, Lloyd's Register,

Claspor  
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