



No. 179

TESTS OF BOILER STEEL.

Tests of 42 Steel Plates manufactured by *Laudore Siemens Steel Co of Laudore* for Boiler No. to be constructed by *Fraser & Fraser* of *Bromley by Bow* for Ships *'Corunda' & 'Mercury' Doukey Boilers.*

Date first visit *8th August* last visit *13th August* No. of Visits *3*

The Plates specified in the accompanying copy of Advice Notes were rolled from *11* charges. The tensile test has been applied to *7* samples as set forth below, and the temper and bending tests *every slab 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.		
861	8.0 1/4 x 46 1/2 x 7/16	96 W	3	(R. 861)	.56	1.23	.688	19.50	28.3	29	
910	6.10 x 25 x 5/8	208 B	2	"	.37	1.23	.455	13.	28.5	21.	bad surface
871	8.0 1/4 x 46 1/2 x 7/16	157 K	2	"	.56	1.23	.688	19.50	28.3	27.	
770	3.9 1/2 sketch 5/8	101 W	2	"	.65	1.23	.799	21.75	27.2	28.	
757	4.0 3/4 " 5/8	433 D	2	"	.65	1.23	.799	22.	27.5	29.	
771	4.7 1/2 x " 5/8	108 W	3	"	.66	1.23	.811	21.875	26.9	27.	
738	5.2 x 23 x 1 1/32	274 V	2	"	.45	1.23	.553	16.625	30.	26.	

D.F.
15/8/85

Fee £ : :
Expenses £ : :
£ : :

To be paid by *Laudore Steel Co Swansea*

Thos. Ashton
Surveyor, Lloyd's Register