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Reports to 5992  
43

HUL399-0004



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Lloyd's Register  
Foundation

No. 293

TESTS OF BOILER STEEL.



Tests of <sup>129 plates & 110 bars</sup> ~~182 bars~~ steel manufactured by Messrs. Widdale Iron Works of Spennymoor, for Boiler No. 2 to be constructed by Messrs. C. J. Holmes of Hull, for

Date first visit  last visit  No. of visits

The <sup>110 plates & 110 bars</sup> ~~182 bars~~ specified in the accompanying copy of Advice Notes were rolled from 5 charges. The tensile test has been applied to 19 samples as set forth below, and the temper and bending tests found 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 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.	%	
	2 1/2 Rod	1587	1		2" diam.	3.141	81.64	26.0	28.5		
	" "	"	2		"	3.141	79.46	25.3	29.5		
	" "	"	3		"	3.141	74.86	25.8	27.8		Rejected 19 bars
	2 1/2 "	1583	9		1.76 "	2.422	63.88	26.2	27.0		
	1 1/2 "	"	2		1.56 "	1.483	39.06	26.8	32.0		
	" "	"	1		1.37 "	1.474	39.73	26.9	35.0		
	" "	"	3		" "	1.474	39.06	26.5	31.0		
	" "	"	4		" "	1.474	39.06	26.5	34.0		
	2 1/2 "	1511	6		1.08 "	.916	25.22	27.5	30.5		
	" "	1519	7		" "	.916	25.31	27.7	32.0		
	" "	"	8		" "	.916	23.56	26.7	30.0		Made in pipes.
	" "	"	9		" "	.916	25.09	27.3	31.0		
	2 1/2 "	1624	1		1.75 "	2.405	64.50	26.8	24.5		
	" "	"	8		1.74 "	2.378	61.80	26.0	25.0		
	1 1/2 "	1583	1		1.63 "	2.087	56.68	27.1	31.5		
	2 1/2 "	1511	-		.75 "	.418	11.38	27.2	28.5		
	3 1/2 "	"	-		" "	.418	11.16	26.7	29.0		
	" "	"	-		" "	.418	11.33	27.1	27.5		
	" "	"	-		" "	.418	11.38	27.2	29.5		

D.P.  
5/6/85

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

To be paid by

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Surveyor, Lloyd's Register,  
Hull  
Lloyd's Register Foundation  
4/6/86