

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

3393.

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of $1\frac{1}{2}$ Steel bars manufactured by The Steel Co. of Scotland of Newton
for Boiler No. 187 to be constructed by J. Dunlop & Co. of Port Glasgow
for

Date first visit c last visit c No. of visits Constant attendance

The round bars specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to 9 samples as set forth below,
and the temper and bending tests proved satisfactory

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	Rd. bars 1 1/2 dia			805	1.13	dia	1.002	29.6	29.5	33.0	
	- 80 - 1 1/8 dia			843	1.12	dia	.985	29.0	29.4	21.0	
	- 80 - 1 3/8 dia			793	1.37	dia	1.474	44.0	29.8	31.8	
	- 80 - 1 1/2 dia			791	1.21	dia	1.15	34.2	29.8	27.5	
	- 80 - 1 3/4 dia			780	1.2	dia	1.13	33.7	29.8	29.0	
	- 80 - 2 1/8 dia			908	1.2	dia	1.13	33.9	30.0	27.0	
	- 80 - 2 1/4 dia			895	1.25	dia	1.227	36.5	29.7	30.0	
	- 80 - 2 1/2 dia			844	1.25	dia	1.227	35.8	29.0	28.5	
	- 80 - 3 dia			849	1.25	dia	1.227	36.6	29.7	31.5	

MP
26.2.16

Fee £ : :

Expenses £ : :

£ : :

To be paid by

The Steel Co. of Scotland
Glasgow
24/2/86

Surveyor, Lloyd's Register.