

The Pearson & Knowles Coal & Iron Company, Limited, WARRINGTON.

Tests of Siemens Martin Mild Steel Boiler Stay Bars for Messrs. John Donald Ltd., Glasgow.

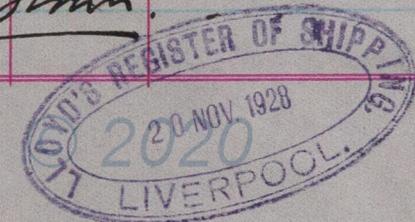
Manufactured by The Pearson & Knowles Coal & Iron Co. Ltd., Warrington.

Date of Test Nov. 16th/28. For Messrs. D. Rowan & Co. Boiler No. 892.

m82169

Size.	BEFORE TESTING.				AFTER TESTING.				Yield Point Stress in Tons per Square Inch.	Breaking Stress.	Breaking Stress in Tons per Square Inch.	Elongation per Cent.	Reduction of Area. per Cent.	Fracture.
	Breadth in Inches.	Thickness in Inches.	Diameter in Inches.	Area in Square Inches.	Breadth in Inches.	Thickness in Inches.	Diameter in Inches.	Area in Square Inches.						
3 1/2" Rd.			1.24	1.208										
								1. c. q. lbs						
					(6 Bars 3 1/2" Rd. -			1. 3. 0. 21)	36.05	29.8	29%			Cast No. 4549
3 1/4" Rd.			1.24	1.208					36.70	30.3	31%			do.
do.			1.24	1.208					37.30	30.8	30%			do.
					(24 Bars 3 1/4" Rd. -			3. 17. 1. 14)						

M. J. Ginn



Lloyd's Register
Foundation

W15 - 0085

Remarks: Cold and Temper Bends satisfactory.