

J. BROWN & CO., LIMITED,
SHEFFIELD,
ATLAS STEEL & IRON WORKS

Testing Department, January 20 th 1890.

Results of Tensile Tests made on Plain Flues
For Messrs. Donald Currie & Co. Order 1944^y

Tested by J. M. Duncan In presence of _____

827

Number on Test	ORIGINAL SECTION OF TEST PIECE		BREAKING STRAIN		AT POINT OF FRACTURE		Reduction of Area per Cent.	ELONGATION		Remarks
	SIZE	AREA	IN TONS	TONS PER SQUARE INCH.	SIZE	AREA		IN 10 INCHES.	PER CENT	
	<i>"Pembroke Castle."</i>									
1588				28.0			44		25	
1589				28.4			50		24	
<p><i>N^o 1588 tested in presence of Board of Trade Surveyor December 13th 1889.</i></p> <p><i>Bends were selected from each plate reheated to cherry red quenched in water, afterwards bent cold to an angle of 180° without fracture.</i></p>										

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