

Ltr: to Sir.  
3/11/84.

STEEL TESTS. *Iron Works "Britannia" Liverpool Report No 30564*



Date of Trial.	Where Tested.	Name of Builder of Ship.	Yard. No.	Description of Steel.	For what purpose intended.	Number of Sample.	Number of Plates or Angle Irons selected from.	Dimensions of Sample.			Breaking Strain of Sample.	Breaking Strain per Sq. Inch.	Elongation.	Forge Tests.				Remarks.
								Br'dth	Thick-ness.	Area.				Hot or Cold	Diamet'r required	Diamet'r bent to.	Results.	
								Ins.	Ins.	Tons.	Tons.	Ins.		Ins.	Ins.			
		Laird Bros	532	Continued		360		1.23	.65	.8	22.50	28.1	29					
						464		1.23	.53	.65	17.875	27.5	21.50				300 bend tests with satisfactory results	
						433		1.23	.55	.676	18.25	27.	24.					
						361		1.23	.5	.615	16.75	27.2	30.					
						358		1.23	.65	.8	22.375	27.9	26.25				All plates marked in two places B.	
						471		.96	.94	.902	25.50	28.2	29.25					
						376		.96	.94	.902	24.75	27.4	31.					
						784		1.26	.3	.378	10.625	28.1	25.					
						761		1.26	.3	.378	10.75	28.4	25.					
						767		1.25	.3	.375	10.625	28.3	25.					
						780		1.25	.3	.375	10.75	28.6	22.					
						886		1.25	.35	.437	12.625	28.8	26.					
						817		1.25	.35	.437	12.25	28.	25.					
						822		1.25	.35	.437	12.375	28.3	26.50					
		Landore Linnens Steel Works Oct <sup>r</sup> 1884 J.H. Ashton				805		1.25	.37	.462	13.	28.1	24.					
						884		1.25	.37	.462	13.125	28.4	27.					
						814		1.25	.37	.462	13.	28.1	25.					
						899		1.25	.35	.437	12.375	28.3	26.					
						798		1.25	.37	.462	13.	28.1	25.50					
						909		1.25	.35	.437	12.25	28.	28.					
						804		1.25	.37	.462	12.875	27.8	26.					

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