

LLOYD'S REGISTER OF SHIPBUILDING  
18 JUN. 83  
LONDON

S.S. Rosario STEEL

TESTS.

42.5  
48.8

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. In.	Elongation.	Forge Tests.				Remarks.
								Brdth	Thick-ness.	Area.				Hot or Cold	Diamet'r required	Diamet'r bent to.	Results.	
7.4.83	Eschweiler	Eagles S.S.	264	Leimans Angle		50	156	19 1/4	9.0	175	8.25	47.2	22					Bent cold before and after tempering good to a radius of 1 1/2 thickness
5.4.83	"	"	"	Mild Steel Bars		51	56	17 1/4	8.7	149	6.75	45.3	23					"
7.4.83	"	"	"	"	"	52	52	19 1/8	9.0	178	8.625	48.3	24 1/2					"
19.4.83	"	"	"	"	"	53	65	20 7/8	9.9	205	9.25	45.1	22 1/2					"
11.5.83	"	"	"	"	"	54	"	19 1/2	10.5	232	11.50	49.6	21 1/2					"
"	"	"	"	"	"	55	104	19 3/8	11.95	231	11.25	48.4	20					"
9.6.83	"	"	"	"	"	56	"	20.3	10.3	209	9.75	46.6	22 1/2					"
13.3.83	"	"	"	"	Bull beams.	500	43	21.0	9.7	204	9.375	46.0	21					"
Note: A tensile strength of 42.5 kilo per square millimeter = 27 Tons per square inch																		
" " " " 52.0 " " " " = 33 " " " "																		
12.3.83	"	"	"	"	Plates	20	30	18 1/2	14.4	324	14.8	45.7	22					good
10.3.83	"	"	"	"	"	21	25	21.0	10.0	210	9.45	45.6	22					"
12.3.83	"	"	"	"	"	22	46	21.2	9.9	210	9.25	44.6	21 1/2					"
14.3.83	"	"	"	"	"	23	48	17.0	10.4	347	16.25	46.8	23					"
"	"	"	"	"	"	24	50	19.3	11.60	225	10.50	46.7	23					"
15.3.83	"	"	"	"	"	25	43	19.8	13.65	191	8.875	46.4	22 1/2					"
17.3.83	"	"	"	"	"	26	131	19.55	13.35	261	12.50	47.9	25					"
21.3.83	"	"	"	"	"	27	"	20.35	11.75	238	12.00	50.3	20					Selected duplicate from same plate
22.3.83	"	"	"	"	"	27d	"	20.20	11.70	236	10.75	45.5	24 1/2					
"	"	"	"	"	"	28	"	20.05	11.95	240	11.475	48.0	26					"
31.3.83	"	"	"	"	"	29	44	19.7	7.0	138	6.50	47.2	21					"
3.4.83	"	"	"	"	"	30	"	21.3	7.2	153	7.75	50.6	23					Temper test failed " All plates from this charge (354) have been rejected.
"	"	"	"	"	"	30a.	"											
31.3.83	"	"	"	"	"	31	47	19.7	9.6	189	8.675	45.8	18 1/2					good
3.4.83	"	"	"	"	"	32	49	20.55	9.30	191	9.00	47.1	23 1/2					"
5.4.83	"	"	"	"	"	33	56	19.75	10.60	209	10.00	47.8	21 1/2					"
7.4.83	"	"	"	"	"	35	"	20.80	9.05	188	9.00	47.8	14 1/2					Selected duplicate from same plate
10.4.83	"	"	"	"	"	35d	"	19.70	10.1	199	9.125	45.8	24					



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F111396-0223  
Foundation

It is submitted that Mr  
Stonewyer should give  
the particulars of the tests  
in English measures

J.W.  
22/6/83



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