

# Lloyd's Register of Shipping.

Order: B. N. 141/42. 1/18/1089.

Surveyors' Office, DÜSSELDORF.

This is to certify, that Max Kellner the undersigned surveyor to this society tested in the works of Herrn August Thyssen-Hütte, Gewerkschaft of Veilheim/Ruhr the annealed Siemens Martin Boilersteel plates specified hereunder, ordered by Herrn David Rowan & Co. Ltd. of Glasgow for the ship No. 863 and that the results of tests were as are set forth below.

Batch-number.	Dimensions. <i>in feet &amp; inches</i>			Intended for	Sample number	Charge number	Tensile tenacity <i>kg. p. sq. mm.</i>			Elongation in 200 mm. in %	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
2	14 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>32</sub>	Shell pl.	1664	3984	44/55	44/50	46.7	26	good	good
						1668				46.2	25	"	"
1	"	"	"	"	"	1644	4011	"	"	46.3	25	"	"
						1648				48.1	24	"	"
1	31 <sup>1</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>4</sub>	"	"	"	1544	3981	"	"	49.7	24	"	"
						1548				46.0	23	"	"
1	"	"	"	"	"	1694	"	"	"	50.0	23	"	"
						1698				46.6	24	"	"
1	"	"	"	"	"	2264	4011	"	"	48.9	25	"	"
						2268				48.8	25	"	"
6	10 <sup>1</sup> / <sub>2</sub>	19 <sup>1</sup> / <sub>2</sub>	29 <sup>1</sup> / <sub>32</sub>	Brillt straps	165	"	"	"	"	47.7	25	"	"
6	9 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>32</sub>	"	164	"	"	"	"	47.3	25	"	"
19	3 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>8</sub>	Girders	66	3856	"	"	"	45.8	25	"	"
14	"	"	"	"	94	"	"	"	"	45.5	24	"	"
10	"	"	"	"	964	3865	"	"	"	48.5	24	"	"
				"	968					48.6	24	"	"
2	"	"	"	"	225	4006	"	"	"	44.8	26	"	"
1	25 <sup>1</sup> / <sub>2</sub>	32 <sup>1</sup> / <sub>4</sub>	44 <sup>1</sup> / <sub>64</sub>	Wrapper pl.	64	3882	41/44	41/44		43.4	25	"	"
1	"	"	"	"	65	"	"	"	"	43.0	30	"	"
1	"	"	"	"	68	3888	"	"	"	42.9	23	"	"
1	22 <sup>1</sup> / <sub>4</sub>	"	"	"	64	3845	"	"	"	41.0	30	"	"
1	"	"	"	"	92	3954	"	"	"	46.3	23	"	"

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—

"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."

N.B.—Material with less than 26 Tons tensile strength may not be used in the construction of boilers for classed vessels, unless specially sanctioned by the Committee.

1 Ton per square inch = 1,574 Kilo per square millimeter. 1 Kilo per square millimeter = 0.635 Tons per square inch.



Order: B. W. 141/42. 18/1089.

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Batch-number.	Dimensions. <i>in feet &amp; inches</i>			Intended for	Sample number	Charge-number	Tensile tenacity <i>Kg. p. sq. mm</i>			Elongation in 200 mm. in %.	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
1	22 <sup>1</sup> / <sub>2</sub>	32 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>64</sub>	Wrapper pl.	95	3882	41/44	41/44	41.1	29	good good		
1	"	"	"	"	110	3954	"	"	43.8	24	"	"	
1	"	"	"	"	111	"	"	"	45.4	26	"	"	
1	"	"	"	"	132	"	"	"	45.0	24	"	"	
3	11 <sup>3</sup> / <sub>4</sub>	56 <sup>1</sup> / <sub>2</sub>	"	Trice plates	113	3958	"	"	44.1	24	"	"	
3	8 <sup>1</sup> / <sub>4</sub>	65 <sup>1</sup> / <sub>2</sub>	"	"	109	"	"	"	43.5	30	"	"	
3	"	"	"	"	112	"	"	"	42.1	29	"	"	
1	10 <sup>3</sup> / <sub>4</sub>	56 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>32</sub>	Comb. ch. back pl.	129	"	"	"	43.3	29	"	"	
2	"	"	"	"	131	"	"	"	43.6	24	"	"	
3	8 <sup>1</sup> / <sub>4</sub>	65 <sup>1</sup> / <sub>2</sub>	"	"	130	3956	"	"	42.6	28	"	"	
3	"	"	"	"	156	3990	"	"	41.1	26	"	"	
3	2 <sup>1</sup> / <sub>4</sub>	31 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>32</sub>	Comp. rings	168	3954	"	"	44.6	23	"	"	
1	For sketch	1 <sup>1</sup> / <sub>4</sub>	"	End pl.	141	3989	"	"	43.8	24	"	"	
1	"	"	"	"	142	"	"	"	43.3	25	"	"	
1	"	"	"	"	224	3990	"	"	42.4	24	"	"	
1	"	"	"	"	155L	"	"	"	45.9	24	"	"	
					155L	"	"	"	44.3	23	"	"	
1	"	"	"	"	163L	"	"	"	45.8	25	"	"	
					163L	"	"	"	42.8	24	"	"	
1	"	"	"	"	242L	4133	"	"	43.0	30	"	"	
					242L	"	"	"	43.8	29	"	"	
1	"	"	2 <sup>1</sup> / <sub>32</sub>	"	93L	3958	"	"	44.4	25	"	"	
					93L	"	"	"	41.8	25.5	"	"	
1	"	"	"	"	114L	3954	"	"	45.0	25	"	"	
					114L	"	"	"	43.4	28	"	"	
1	"	"	"	"	115L	"	"	"	44.1	23	"	"	
					115L	"	"	"	43.3	30	"	"	
1	"	"	3 <sup>1</sup> / <sub>4</sub>	"	153L	3990	"	"	44.8	25	"	"	
					153L	"	"	"	41.6	24	"	"	
1	"	"	"	"	140L	"	"	"	42.6	24	"	"	
					140L	"	"	"	42.8	25	"	"	

6/4/27.



Order: B.W. 141 1/2. 18/1089.

Batch-number.	Dimensions. <i>in feet &amp; inches</i>			Intended for	Sample number	Charge-number	Tensile tenacity <i>kg. p. sq. mm</i>			Elongation in 200 mm. in %.	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
1	To sketch	3/4"		End plate	2438. 4133		41/44	41/44	44.4	26	good	good	
					2438.				43.5	30	"	"	

Pinseldorf 6<sup>th</sup> April 1924.  
 H. K. K. K.  
 Surveyor to Lloyd's Register



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