

# Lloyd's Register of Shipping.

Order: 9/16.

Surveyors' Office, DÜSSELDORF.

This is to certify, that Josef Lorenz the undersigned surveyor to this Society tested in the works of Hessan. Gütehoffnungsbüchse A. G. of Oberhausen the unannealed Siemens Martin Boiler steel plates specified hereunder, ordered by Hessan. David Rowan & Co. Ltd. of Glasgow for the ship No. \_\_\_\_\_ Boiler No. 366 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. <i>in %.</i>	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
1	23-9 <sup>2</sup>	115 <sup>3</sup> / <sub>4</sub>	1 1/16 <sup>2</sup>	Shell plate	38	50240	44/55	46/52	49.4	2.2	good	good	
					38				50.9	2.7			
1					39				49.3	2.4			
					39				50.8	2.8			
2	9-7 1/2 <sup>2</sup>	17 <sup>2</sup>	13/16 <sup>2</sup>	Brillt straps	42	50041			49.9	3.0			
2	8-5 3/4 <sup>2</sup>		15/16 <sup>2</sup>	"	44	49904			50.2	2.5			
22	3-0 <sup>2</sup>	12 1/2 <sup>2</sup>	7/8 <sup>2</sup>	Grinders	46	50227		44/50	44.9	2.6			
1	10-8 1/2 <sup>2</sup>	57 1/2 <sup>2</sup>	3/4 <sup>2</sup>	Tube plate	37	49943	41/47	41/47	42.3	3.0			
2	8-8 <sup>2</sup>	66 1/4 <sup>2</sup>		"									
1	10-8 1/2 <sup>2</sup>	57 1/2 <sup>2</sup>	21/32 <sup>2</sup>	Fire. hook pl.	61	50277			43.8	3.0			
2	8-8 <sup>2</sup>	66 1/2 <sup>2</sup>		"	42	50125			46.9	2.6			
1	2-10 1/2 <sup>2</sup>	30 1/2 <sup>2</sup>	1 1/16 <sup>2</sup>	Comp. ring	41	49872			45.8	2.6			
1	For sketch		15/32 <sup>2</sup>	End plate	60	50498			45.8	2.6			
1				"	43	50240			45.2	2.8			
1			27/32 <sup>2</sup>	"	40	50228			46.9	2.9			
				"	40				45.3	2.9			
1			23/32 <sup>2</sup>	"	36	50198			44.1	2.6			
1	2-9 <sup>2</sup>	16 1/2 <sup>2</sup>	1 1/4 <sup>2</sup>	Manhole door	45	49872			46.4	2.3			

Düsseldorf 24<sup>th</sup> September 1928.  
*J. Lorenz*  
 Surveyor to Lloyd's Register

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 = 0.645 Tons per square inch.

