

# Lloyd's Register of Shipping.

Order: 2990.

21511

Surveyors' Office, DÜSSELDORF.

Hamburg Report Nr.

This is to certify, that Karl Hauss the undersigned surveyor to this Society tested in the works of Messrs. Mannesmannröhren-Fabrik AG, Heinrich-Bierwer-Hütte of Hückingen the annealed Siemens Martin Boiler steel plates specified hereunder, ordered by Messrs. Howaldts werke A. G. of Kiel for the ship No. 732 Boiler No. and that the results of tests were as are set forth below.

Batch-number.	Dimensions. <i>in mm</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		24		1	45274	41/44	41/44	41,7	29,0	good	good	1129
1	"	"	"		1	"	"	"	42,6	30,0	"	"	1130
1	"	"	"										1131
1	"	"	"										1132
1	800	500	35		5	45426	"	"	45,6	28,0	"	"	
1	550	260	29		8	45629	44/55	44/50	44,6	28,0	"	"	
					8	"	"	"	44,2	28,0	"	"	
1	"	"	"		6	"	"	"	44,2	29,0	"	"	
					6	"	"	"	44,2	29,0	"	"	
1	5325	"	"		3	"	"	"	44,0	29,0	"	"	
					3	"	"	"	45,0	27,0	"	"	
1	"	"	"		4	"	"	"	45,7	28,0	"	"	
					4	"	"	"	44,1	31,0	"	"	
2	340	2660	23		2	"	"	"	44,2	27,0	"	"	
2	"	2440	"										
2	530	2230	26		4	"	"	"	44,0	30,0	"	"	
2	"	2440	"										

Düsseldorf 21<sup>st</sup> September 1934.

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 Committee or any Member thereof, or 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.