

Lloyd's Register of Shipping.

Order: 626/138 H.

Surveyors' Office, DÜSSELDORF.

This is to certify, that Franz Schuell the undersigned surveyor to this Society tested in the works of Kessels-Verenigte Stahlwerke A.G. Stahl- & Walzwerke Thyssen of Kailheim/Ruhr. the annealed Siemens-Martin Boiler steel plates specified hereunder, ordered by Kessels-Verenigte Stahlwerke A.G. Thyssen of Kailheim/Ruhr. of Thyssen for the ship No. 189 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	Change-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.	Ordered.	By test.		Cold.	Tempered	
1	6610	3330	22		3	5096	44/50	48.0	29	good	good		✓ 1 mm
					3			46.0	28	"	"		
1	5470	"	"		8	"	"	47.4	25	"	"		✓
					8		"	47.0	25	"	"		
2	3330	375	19	1	20	"	"	47.6	30	"	"		✓ 1 mm
2	"	"	22	2	8	"	"	47.0	25	"	"		
16	770	270	19	16	10	"	"	46.6	30	"	"		
1	950	830	22	1	9	5111	41/47	42.8	33	"	"		
1	3750	1350	25	1	4	"	"	44.3	26	"	"		
1	4250	3400	22	1	2	"	"	45.3	31	"	"		
					2		"	44.0	26	"	"		
1	3750	1350	25	1	5	"	"	44.2	31	"	"		
1	4250	3400	22	1	2	"	"	44.0	26	"	"		
2	2800	1950	19	2	13	"	"	44.8	33	"	"		
2	"	"	14	1	12	"	"	45.3	25	"	"		✓ 1 mm
2	5900	700	16	2	11	"	"	45.0	26	"	"		
2	1500	710	19	2	7	"	"	43.7	25	"	"		

Düsseldorf 13th February 1933.F. Schuell
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 = 0,635 Tons per square inch.

