

Lloyd's Register of Shipping.

Surveyors' Office, DÜSSELDORF.

I certify, that Julius Arost the undersigned surveyor to this Society tested in
 works of Messa. Mannesmannröhren-Werke Akt. Schütz-Kunhardt of Duisburg
unscaled Siemens-Martin Boiler steel plates specified hereunder, ordered
Messa. Blohm & Voß of Hamburg
 the ship No. 488 Boiler No. 4378/79 and that the results of tests were as are set forth below.

Dimensions. <i>in mm</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. <i>Lloyd's.</i>
Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
245	3180	23	Shell plate	31	8491	44/55	44/50	47.3	25	good	good	
"	"	"	"	31	"	"	"	49.8	25	"	"	
"	"	"	"	29	"	"	"	47.6	28	"	"	
"	"	"	"	29	"	"	"	50.2	24	"	"	
30	3180	20	Butt strap	34	"	"	"	48.7	26	"	"	
"	3010	23	"	33	7119	"	"	47.2	27	"	"	
220	820	24	Boilr. plates	35	7675	41/47	41/47	44.5	31	"	"	
2020	1100	20	"	24	8397	"	"	43.0	29	"	"	
To sketch	"	23	End plate	13	8195	"	"	43.9	32	"	"	
"	"	"	"	12	"	"	"	43.0	28	"	"	
"	"	23	"	19	"	"	"	43.2	30	"	"	
"	"	"	"	21	8191	"	"	42.3	29	"	"	
700	670	17	Comb. sh. pl.	22	8397	"	"	42.6	33	"	"	
800	680	22	"	27	"	"	"	43.2	34	"	"	
675	2265	17	Comb. sh. back pl.	20	8195	"	"	42.7	29	"	"	
750	295	15	Girders	28	8995	"	"	43.6	26	"	"	
695	2275	23	Truss plates	11	7826	"	"	42.0	31	"	"	
"	"	"	"	11	"	"	"	43.7	27	"	"	
To sketch	"	17	Corrig. furnace	4	8035	"	"	44.1	30	"	"	178
"	"	"	"	4	"	"	"	45.7	32	"	"	179

Jul. Arost

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
 neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report
 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
 judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."

—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.

294.

2.

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.
n.	Breadth.				Thick-ness.	As per rules.	Ord-ered.		By test.	Cold.	
sketch	17	Coring furnace	3	8035	41/47	41/47	43.0	28	good	good	180
		"	3				45.7	28	"	"	181
1000	35	Handhole door	25	8397	"	"	42.1	33	"	"	

Pisseldorf 1st March 1930.

Jul. Gundak
Surveyor to Lloyd's Register



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Foundation

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