

Lloyd's Register of British & Foreign Shipping.

Surveyors' Office, DÜSSELDORF.

Order 23358/1107

This is to certify, that Paul Abel the undersigned surveyor to this society tested in the works of Thornia Alt. Ges. Abt. Herder Verein of Koerde the annealed Siemens Martin Boilersteel plates specified hereunder, ordered by Assm. Great Central Co. Operative Eng. & Ship Repairing Co., Grimsby for the ship No. A. 37 and that the results of tests were as are set forth below.

Batch-number.	Dimensions.			Intended for	Sample number	Charge-number	Tensile tenacity			Elongation in 200 mm. in %.	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
<i>No. of Plates</i>													
1	31'6"	10'1"	1 1/8"	Shell plate	16	7811	28-32	28-32	29.7	21	progn		✓
					16	"	"	"	30.4	28	"	"	
1	11'6"	"	"	"	11	"	"	"	30.-	25	"	"	
2	10'1"	1'8"	"	Butt straps	13	"	"	"	29.8	26	"	"	✓
1	9'5"	"	"	"	"	"	"	"	"	"	"	"	
2	to sketch	1 1/16"	"	End plates	15	7813	26-30	26-30	27.6	27	"	"	✓
1	"	"	15/16"	"	10	"	"	"	27.8	27	"	"	✓
1	"	"	1"	"	12	"	"	"	28.-	23	"	"	✓
2	5'6"	5 1/2"	7/8"	Bk. hnt plates	3	"	"	"	27.8	23	"	"	✓
1	5'9"	3'11"	"	do.	2	"	"	"	27.5	23	"	"	✓
2	7'6"	5'	1 1/16"	cc. back	6	"	"	"	27.1	28	"	"	✓
1	9'	3'10"	"	do.	9	"	"	"	28.8	27	"	"	✓
2	4'6"	3'	1"	cc. botms	7	"	"	"	27.6	26	"	"	✓
1	5'6"	"	"	do.	"	"	"	"	"	"	"	"	✓
1	16'	3'3"	1 1/16"	cc. maffing plat	1	"	"	"	27.4	28	"	"	✓
1	"	"	"	do.	8	"	"	"	27.8	24	"	"	✓
1	18'6"	3'5"	"	cc. maff. plat	5	"	"	"	26.2	23	"	"	✓
5	4'9"	3'2"	7/8"	girders	4	7811	28-32	28-32	29.8	23	"	"	✓
1	2'8"	2'4"	1 1/8"	manhole doubler	13	"	"	"	29.8	26	"	"	✓
1.	9'5"	1'7"	"	Butt strap	14	"	"	"	30.2	23	"	"	✓

Tested and inspected on the 22nd, 26th 30th June and 5th July 1911.

P. Abel

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.

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