

Lloyd's Register of British & Foreign



Order 20953

Surveyors' Office, DÜSSELDORF.

This is to certify, that Johannes Meijer the undersigned surveyor to this society tested in the works of Kaiser's Phoenix-Aktien-Gesellschaft AG, Hörde, Provinz of Hörde the annealed Siemens-Martin Boilersteel plates specified hereunder, ordered by Messrs. C. F. Holmes & Co. Ltd. Eng. Works of Hull for the ship No. Boiler No. 937/944 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.	
No. of Plates													
1	27' 2 1/2"	9' 7 1/2"	1"	Shellplate	15	660	28-32	29.	29.7	27.	good	good	
1	12' 6 1/2"	9' 7 1/2"	1"	"	15		"	"	29.5	25.	"	"	
1	7' R	9' 3 1/2"	7/8"	Endplate	29	660	"	"	29.9	26.	"	"	
1	"	"	"	"	20	979	26-30	26.	27.1	26.	"	"	
1	"	4' 11 1/2"	1 1/16"	"	22	"	"	"	28.	27.	"	"	
1	"	"	"	"	26	"	"	"	28.6	24.	"	"	
2	7' 10"	5' 8 1/2"	1 1/16"	Comb. ch. pl.	27	"	"	"	27.3	24.	"	"	
2	7' 11 1/2"	"	7/8"	tube plate	18	980	"	"	27.5	26.	"	"	
1	16' 8"	2' 9 1/2"	1 1/16"	Comb. ch. pl.	16	979	"	"	27.6	25.	"	"	
1	"	"	"	"	11	980	"	"	28.	28.	"	"	
2	5' 3"	2' 10"	1"	"	12	"	"	"	27.8	24.	"	"	
2	7' 8"	11' 3"	25/32"	furnace	5	979	"	"	27.	26.5	"	"	
				"	13	"	"	"	29.5	24.5	"	"	
2	9' 7 1/2"	1' 3 1/2"	13/16"	Butt straps	13	"	"	"	27.8	28.	"	"	
2	8' 8 1/2"	1' 3 1/2"	15/16"	"	25	660	28-32	29.	29.2	25.	"	"	
1	2' 6"	2' 2"	1"	Stanchion-liner	30	"	"	"	29.9	24.	"	"	
				"	15	"	"	"	29.7	27.	"	"	
1	2' 8"	2' 6"	3/4"	liner	15	"	"	"	29.5	25.	"	"	
1	3' 5"	10"	"	"	3	980	26-30	26.	26.7	29.	"	"	
1	21' 11 1/2"	10' 1/2"	1 1/32"	Shellplate	3	"	"	"	26.7	29.	"	"	
				"	14	660	28-32	29.	29.5	24.	"	"	
1	"	"	"	"	14	"	"	"	29.7	24.5	"	"	
				"	19	"	"	"	29.6	24.	"	"	
2	7' 8" R	5' 3 1/2"	1 1/4"	Endplate	19	"	"	"	29.5	23.	"	"	
				"	6	679	26-30	26.	26.9	27.	"	"	
				"	6	"	"	"	27.1	24.	"	"	

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.

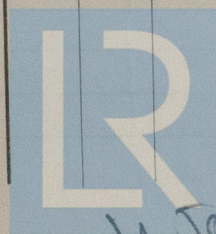
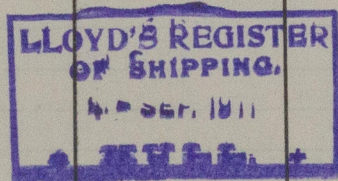
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Order 20953. Messrs. C. D. Holmes & Co. Ltd. Eng. Works, Hull

Batch-number.	Dimensions.			Designed for	Sample number	Charge-number	Tensile tenacity <i>tons per sq. inch</i>			Elongation in 200 mm. in %.	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
<i>17 of Plates</i>													
1	7' 8 1/2"	10' 4"	1"	End plate	24	979	26-30	26-	29.7	23-	good	good	
				"	24		"	"	28-	25-	"	"	
1	"	"	7/8"	"	21	"	"	"	27.5	29-	"	"	
1	5' 7"	3' 4"	"	tube plate	17	"	"	"	26.8	30-	"	"	
2	5'	4' 10"	"	"	17	"	"	"	26.8	30-	"	"	
1	9' 6 1/2"	4' 3 1/2"	23/32"	comb. ch. pl.	7	980	"	"	27.2	27 1/2-	"	"	
2	7' 10 1/2"	5'	"	"	8	"	"	"	27.3	25-	"	"	
2	6' 3"	3' 2"	11/16"	"	10	"	"	"	26.6	26-	"	"	
2	14' 8"	"	"	"	9	"	"	"	26.7	30-	"	"	
1	6' 6"	"	"	"	4	"	"	"	27.6	25-	"	"	
1	16' 6"	"	"	"	10	"	"	"	26.6	26-	"	"	
1	8' 2"	10' 2 1/2"	3/4"	furnace	23	"	"	"	28.4	26-	"	"	
2	"	"	"	"	28	"	"	"	27.3	28-	"	"	
2	10' 1/2"	1' 6 1/2"	7/8"	Bush strap	2	660	28-32	29-	29.2	26-	"	"	
2	9' 1 1/2"	1' 6 1/2"	1 1/32"	"	1	"	"	"	29.2	27 1/2-	"	"	
1	2' 6"	2' 2"	1 3/32"	liner	14	"	"	"	29.5	24-	"	"	
					14	"	"	"	29.7	24.5	"	"	

Tested and inspected on the 25th & 28. August 1911.

Thomas Meijer



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