

Lloyd's Register of Shipping.

Order: 8421.

Surveyors' Office, DÜSSELDORF.

This is to certify, that Paul Kertscher the undersigned surveyor to this society tested in the works of Herrn. Gütschhoffnungsbüchse A.G. of Düsseldorf the Siemens Harten Boilersteel round bars specified hereunder, ordered by Herrn. David Roman & Co. of Glasgow for the ship No. Boiler No. 849 and that the results of tests were as are set forth below.

Batch-number.	Dimensions. <i>in feet & inches</i>			Intended for	Sample number	Charge-number	Tensile tenacity <i>kg. per sq. cm.</i>			Elongation in 200 mm. <i>in %.</i>	Bending tests		Remarks.		
	Length.	Breadth.	Thick-ness.				As per rules.	Ordered.	By test.		Cold.	Tem-pered.			
18	13-4 ²	Ø	2 1/4 ²	Long. stays	9	4335	44/55	44/58	44.4	25	good	good			
24	9-0 ²	Ø	"												
4	12-0 ²	Ø	"												
6	8-2 ²	Ø	"												
9	13-4 ²	Ø	2 1/2 ²	" "	11	"	"	"	46.1	25	"	"			
2	12-0 ²	Ø	"												
6	12-0 ²	Ø	2 3/4 ²									46.1	26	"	"
44	10-0 ²	Ø	1 5/8 ²	Stay bars	3	4334	44/44	44/44	44.5	25	"	"			
3	"	Ø	2 1/4 ²									46.9	25	"	"
1	"	Ø	"												

Düsseldorf 23rd September 1924.

P. Kertscher

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.