

Lloyd's Register of British & Foreign Shipping.

Surveyors' Office, DÜSSELDORF.

I, Karl Hauss, the undersigned surveyor to this society tested in
works of Phoenix & Kt. Ges. Abt. Herderer Verein of Herderer
annealed Siemens Martin Boilersteel plates specified hereunder, ordered
by Messrs. Great Central Co. Operative Eng. & Ship Repairing Co. Grimsby
ship No. Boiler No. Ab. 34 and that the results of tests were as are set forth below.

Dimensions.			Intended for	Sample number	Charge number	Tensile tenacity <i>tons ps. sq. inch</i>			Elongation in 200 mm. in o/o.	Bending tests		Remarks.
Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
Order 7710.												
29'6"	9'8"	1 3/32"	Bottom shell	12	3173	28.32	28.32	29.5	29	good	good	✓
				12	"	"	"	29.2	25	"	"	
10'6"	"	"	shell top	9	"	"	"	29.3	27	"	"	✓
9'8"	1'5"	"	Strops	7	"	"	"	28.6	27	"	"	✓✓
9'8"	"	"		7	"	"	"			"	"	✓✓
to sketch	15/16"	"	Bot. back	10	3176	26.30	26.30	27.8	26	"	"	✓
"	"	1 1/8"	Top front	1	"	"	"	28.1	27	"	"	✓
"	"	1"	Bot. front	11	"	"	"	26.6	27	"	"	✓
"	"	1 1/8"	Top back	1	"	"	"	28.1	27	"	"	✓
6'7"	6 1/8"	3/4"	Back h/pleks	2	"	"	"	27.5	25	"	"	✓✓
8'	6 1/2"	2 1/32"	cc. back	13	"	"	"	27.9	25	"	"	✓✓
5'3"	3'	13/16"	cc. bottom	4	"	"	"	28.3	24	"	"	✓✓
18'3"	3'3"	2 1/32"	cc. sides	5	"	"	"	27.7	25	"	"	✓
"	"	"	cc. sides	8	"	"	"	27.1	26	"	"	✓
4'6"	2 1/11"	3/4"	girders	6	3173	28.32	28.32	31.3	21	"	"	✓✓✓
"	"	"	girders	14	"	"	"	29.7	27	"	"	✓✓
2'8"	2'4"	1 1/8"	m. double	3	"	"	"	28.7	23	"	"	✓

Tested 19th and 22nd November 1910.

Karl Hauss

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.