

# Lloyd's Register of Shipping.

Hamburg Report Nr. 22443

Order: 1429

Surveyors' Office, DÜSSELDORF.

I, Karl Staup the undersigned surveyor to this Society tested in  
 works of Messrs. Klockner Werke A.G., Abt. Georg-Marien-Werke of Georgsmarienhütte  
Siemens-Martin Boiler steel round bars specified hereunder, ordered  
Messrs. Howaldts Werke A.G. of Kiel  
 the ship No. 465 Boiler No. 1525-1524 and that the results of tests were as are set forth below.

Dimensions			Intended for	Sample number	Charge number	Tensile tenacity			Elongation in 200 mm. in p.	Bending tests.		Remarks.
Length	Breadth	Thick-ness				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered	
3600	φ	43	Gray bars	3	1600	41/147	41/147	44.0	26.0	good	good	
1800	"	49	" "	4		"	"	43.8	27.0	"	"	
				5	1642	"	"	41.6	27.0	"	"	
				6		"	"	42.6	28.0	"	"	
1650	"	92	" "	4	1308	"	"	41.2	28.0	"	"	

Düsseldorf, 16<sup>th</sup> November 1936.

*Karl Staup*  
 Surveyor to Lloyd's Register

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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.

