

Lloyd's Register of Shipping.

Order: 6159 Mr.

Hamburg Report No. 2511

Surveyors' Office, DÜSSELDORF.

This is to certify, that Julius Anst the undersigned surveyor to this Society tested in the works of Messrs. Blochmer Werke A.G., Hasper Eisen- & Stahlwerk of Haspe the Siemens Martin Boiler steel Pivot Bars specified hereunder, ordered by Messrs. Howaldtswerke A.G. of Giel for the ship No. _____ Boiler No. _____ and that the results of tests were as are set forth below.

Batch-number.	Dimensions. in mm			Intended for	Sample number	Charge-number	Tensile tenacity kg. p. sq. mm			Elongation in 100 mm	Bending tests.		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered	
450 kg	Ø	31		Pivot Bars	7	1409	41/44	41/44	46,8	24,0	good	good	
350 kg	Ø	28		"	8	1441	41/44	41/44	42,4	30,0	"	"	

Crushing and cold bend test good.

Sulphur prints have been made in the presence of the undersigned and were found to be satisfactory.

Düsseldorf 31st July 1934.

Jul. Anst

SURVEYOR TO LLOYDS 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 Committee or any Member thereof, or 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.