

Lloyd's Register of Shipping.

Order: 6159 M.

Hamburg Report Nr. *2511*

Surveyors' Office, DÜSSELDORF.

This is to certify, that *Julius Aunst* the undersigned surveyor to this Society tested in the works of *Messrs. Blochmer Werke A.G., Hasper Eisen- & Stahlwerk* of *Glaspes* the *Siemens Martin* Boiler steel *Pivot Bars* specified hereunder, ordered by *Messrs. Howaldtwerke A.G.* of *Wiel* for the ship No. _____ Boiler No. _____ 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 %.	Bending tests.		Remarks.
	Length.	Breadth.	Thick-ness.				kg. p. sq. mm	As per rules.	Ord-ered.		By test.	Cold.	
<i>450 kg</i>	\emptyset	<i>31</i>		<i>Pivot Bars</i>	<i>7</i>	<i>1409</i>	<i>41/44</i>	<i>41/44</i>	<i>46,8</i>	<i>24,0</i>	<i>good</i>	<i>good</i>	
<i>350 kg</i>	\emptyset	<i>28</i>		<i>"</i>	<i>8</i>	<i>1441</i>	<i>41/44</i>	<i>41/44</i>	<i>42,4</i>	<i>30,0</i>	<i>"</i>	<i>"</i>	

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. Aunst

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.