

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office \_\_\_\_\_ 10

# Lloyd's Register of Shipping.

Order: 1420/St  
 Post: 92/2  
 Test: 448/49/51/61

(Report on Vessel No. 9708 Port Copenhagen)

## No. 3333 SHIP FORGINGS OR CASTINGS

I have to report that the undermentioned ~~Iron~~ ~~or~~ Steel Forgings ~~or~~ Castings, manufactured by Messrs. Witkowitz Bergbau & Eisen. Gew. of Witkowitz for the Vessel No. 461, being built by Messrs. A.B. Götawerken of Göteborg have been inspected by me as set forth below and found to be, so far as can be seen, 1 built up rudder without plate, sound and free from defects

on Forgings or Castings

Lloyd's  
 No. 4719 3658/59  
 W.10.2.32

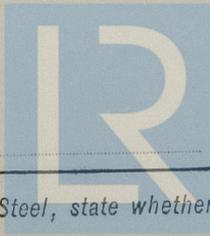
Vienna, 13th February 1932

*W. Jung*

	1 rudder shaft	1 rudder spindle	arms	
	<del>STERN</del> FRAME.	<del>RUDDER</del> FRAME	1 <del>STEM</del>	1
Material	Siemens	Martin	Ingot	Steel
Made	forged	forged	forged	
Heat treated	annealed	annealed	annealed	
Dimensions	289/285 $\phi$	334/230 $\phi$	to sketch	
Condition on Inspection	almost finished			
When Inspected	12. 11. 1931; 10. 2. 1932			
Tests on Standard Test Pieces.	<u>No: 3658</u>		<u>No: 3659</u>	
Tensile Test—	29.2	29.6	29.2	31.4
Stress per square inch	39.5	36.8	38.2	31.6
Elongation per cent. ...	180 degrees			
Bending Test—	good			
Angle before fracture	---			
Test—	---			
Height from ground ...	---			
Hardening Test—	---			
Made according to Rules and found satisfactory ...				

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS.  
 Rudder arm, to sk, Tens. str./sq": 30.2 with 35.5 % elongation  
 " " " " 31.2 " 35.5 "  
 " " " " 30.9 " 36.8 "  
 " " " " 31.8 " 31.6 "  
 Diameter 85  $\phi$   
 Bend tests good!

Fee (if any chargeable) £ : :  
 To be paid at VIENNA



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 Foundation

If of Iron, state whether scrap or puddled Iron. If of Steel, state whether made on the Open Hearth process.

005756-005778-0237