

# Lloyd's Register of Shipping.

Order: 1045.

(Report on Machinery, No. 104320 Port Liverpool)

No. 84536 ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by **Messrs. Charlottenhütte A.G.** of **Niederschelden** for the Engines No. \_\_\_\_\_ being constructed by **Messrs. Rud. A. Hartmann A.G.** of **Berlin** for the Ship No. \_\_\_\_\_, being built by \_\_\_\_\_ of \_\_\_\_\_ have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to **Berlin**.

Mark on Forgings or Castings.

**Düsseldorf 29th May 1934.**

Lloyd's

No. 4320/4321/4322.

J.Q. 26.5.34.

*Jul. Quast*  
SURVEYOR TO LLOYDS REGISTER

	<del>FRANKENSTEIN</del>	<del>NEBELSCHLAKK</del>	<del>KOENIGSBERG</del>	TUBE SHAFT.
	1 ring	1 ring	1 ring	
	<del>FRANKENSTEIN</del> 4320	4321	4322	SCREW SHAFT.
Material* ...	Annealed Siemens	Martin Ingot	Steel	
How made ...	forged	forged	forged	
If Annealed ...	Yes	Yes	Yes	
Dimensions, Forgings	2810/2610x240	2810/2610x138	2810/2610x138	
Weight, Castings				
Progress on Inspection }	rough turned	rough turned	rough turned	
Tests on Standard Test Pieces.	.564 2"	.564 2"	.564 2"	
Tensile Test—				
Tons per square inch ...	28,5	28,5	28,5	
Extension per cent ...	37,0	37,0	37,0	
Cold Bending Test—				
Angle before fracture	180 degr. good	180 degr. good	180 dggr. good	
Dates when Inspected	26.5.34.	26.5.34.	26.5.34.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

11. JUNI 1934

Fee (if any chargeable) £

To be paid at **Düsseldorf.**

\* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.