

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 19__

Lloyd's Register of Shipping.

(Report on Machinery, No. 54023 Port GLASGOW)

No. 4570 ENGINE ~~FORGINGS~~ OR CASTINGS.

I have to report that the ~~Forgings~~ Castings, as herein described, manufactured by Messrs The Atlas Steel Foundry Eng Co Ltd of Armadale, West Lothian for the Engines No. 958 being constructed by Messrs David Brown & Co Ltd of Glasgow 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 _____

on Forgings or Castings.

Lloyd's
No. 4570
W & L. V. DATES.

William Lewis
GLASGOW

	CRANK SHAFT.		THRUST SHAFT.		INTERMEDIATE SHAFT.		TUBE SHAFT.
	1 Branch pin	1 Slip Valve	2 Branches	1 Valve Box	2 Branches	2 Branches	1 Tee piece
	3 Tee pieces	1 Chest			1 Tee piece		
	1 Cover	1 Branch			1 Y piece		
	FLYWHEEL SHAFT.				1 A piece		SCREW SHAFT.
					1 Coupling		
Material			Siemens-Martin Acid, Open		Mild Steel		
How made			Cast.				
Annealed			Annealed				
Dimensions, Forgings							
Weight, Castings	1.3.25	7.0.22	2.0	2.3.11	4.0.0	2.10.	1.4
Progress on Inspection	Rough Castings.						
Tests on Standard Test Pieces.	Test No 639	Test No 640	Test No 641	Test No 642A	Test No 655	Test No 658	Test No 667
Yield Test—	34.0	30.8	31.6	29.6	31.2	30.8	29.2
Tons per square inch							
Extension per cent	31.0%	32.0%	32.0%	36.0%	32.0%	34.0%	34.0%
Bending Test—	160° NF.	160° NF.	160° NF.	160° NF.	160° NF.	160° NF.	160° NF.
Angle before fracture							
Dates when Inspected	16/8/33.	16/8/33.	23/8/33.	23/8/33.	30/8/33.	6/9/33.	27/9/33.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The Castings were checked and found to be according to the Society's rules.

(if any chargeable) £NIL (Vessel Class) To be paid at

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