

Rpt. 7

For the information of Surveyors and the Committee only.

Received at Office, 19

Lloyd's Register of Shipping.

(Report on Machinery, No. 54332 Port GLASGOW)

No. 4573. ENGINE ~~FORGINGS~~ OR CASTINGS.

I have to report that the ~~Forgings~~ or Castings, as herein described, manufactured by Messrs The Atlas Steel Foundry Engineering Co^{ltd} of Armadale, West Lothian for the Engines No. 962 being constructed by Messrs David Rowan & 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 Messrs David Rowan & Co^{ltd}

Report on Forgings or Castings.

Lloyd's

No. 4573.

W.S.L. & DATES

William Lewis

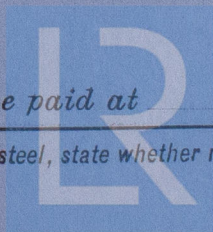
	CRANK SHAFT.		THRUST SHAFT.		INTERMEDIATE SHAFT.		TUBE SHAFT.	
	1 Rootledge Valve Chest.	2 Branches	1 Branch	1 Branch	3 Branches.	1 Ship Valve Chest.	1 Valve Chest.	1 Piece
					1 Piece	3 Covers.		1 Piece
					1 Branch.	1 Piece		2 Branches
	FLYWHEEL SHAFT.						SCREW SHAFT.	
								1 Cover
								1 Bolt
Material	Siemens-Martin Acid, Open Hearth Steel							
How made	Cast.							
Annealed	Annealed							
Dimensions, Forgings								
Weight, Castings	4.1.17	2.0.16	2.0.16	1.2.27	6 0.9	3.3.22		
Progress on Inspection	Rough castings.							
Tests on Standard Test Pieces.	Test No 632	Test No 633	Test No 636	Test No 646	Test No 648	Test No 651	Test No 652	Test No 657
Tensile Test—Tons per square inch	30.8	30.4	29.6	32.8	32.4	30.0	28.4	32.0
Extension per cent	33.0%	34.0%	37.0%	28.0%	30.0%	35.0%	36.0%	31.0%
Cold Bending Test—Angle before fracture	160° NF	160° NF	160° NF	160° NF	160° NF	160° NF	160° NF	160° NF
Dates when Inspected	28/8/33.	28/8/33.	11/7/33.	23/8/33.	23/8/33.	30/8/33.	30/8/33.	30/8/33.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The Castings were tested and found to be according to the requirements.

Fee (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.



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