

Rpt. 7

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 19

Lloyd's Register of Shipping.

(Report on Machinery, No. *54625* Port *GLASGOW*)No. *4697* ENGINE ~~FORGINGS~~ OR CASTINGS.

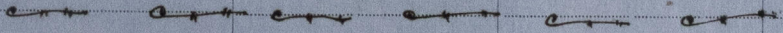
I have to report that the ~~Forgings~~ Castings, as herein described, manufactured by *Messrs The Atlas Steel Fdry & Eng Co Ltd* of *Armadale, West Lothian* for the Engines No. *965* being constructed by *Messrs David Rowan & Co Ltd* of *Glasgow* for the Ship No. _____, being built by _____ of _____

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*

Mark on Forgings or Castings.

Lloyd's
No. *of Spec.*
R 456
C 82

William L. Law

	CRANK SHAFT. <i>1 Guide Sha 1HP Piston Body</i>		THRUST SHAFT. <i>1 L.P. Piston 1 M. Piston Body</i>		INTERMEDIATE SHAFT. <i>1 Guide Sha 2 Guide Sha</i>		TUBE SHAFT.
	FLYWHEEL SHAFT.						SCREW SHAFT.
Material ^o ...	<i>Siemens-Martin Acid, Open Hearth Steel</i>						
How made ...	<i>Cast.</i>						
Annealed ...	<i>Annealed.</i>						
Dimensions, Forgings							
Weight, Castings	<i>7.0.3.</i>	<i>12.3.16.</i>	<i>55.3.10</i>	<i>14.2.27.</i>	<i>7.0.8.</i>	<i>21.2.1</i>	
Progress on Inspection }	<i>Rough castings</i>						
Tests on Standard Test Pieces.	<i>Int No 663</i>	<i>Int No 664</i>	<i>Int No 669</i>	<i>Int No 670</i>	<i>Int No 675</i>	<i>Int No 668</i>	
Tensile Test— Tons per square inch ...	<i>32.4</i>	<i>33.2.</i>	<i>30.8</i>	<i>31.2</i>	<i>30.8</i>	<i>33.2.</i>	
Extension per cent	<i>32.0%</i>	<i>31.0%</i>	<i>34.0%</i>	<i>35.0%</i>	<i>32.0%</i>	<i>28.0%</i>	
Cold Bending Test— Angle before fracture	<i>160° NF</i>	<i>160° NF</i>	<i>160° NF</i>	<i>160° NF</i>	<i>160° NF</i>	<i>160° NF</i>	
Dates when Inspected	<i>27/9/33.</i>	<i>27/9/33.</i>	<i>29/9/33.</i>	<i>4/10/33.</i>	<i>18/10/33.</i>	<i>29/9/33.</i>	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The Castings were dropped and heated according to the Surveyor's rules.

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.

m.1.33.