

Lloyd's Register of Shipping.

(Report on Machinery, No. 12491 Port Aberdeen)No. F.354. ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by Messrs. Life Forge Co. of Kirkcaldy for the Engines No. 168 being constructed by Messrs. John Lewis & Son Ltd. of Aberdeen 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, satisfactory

on Forgings ~~or Castings~~.

Lloyd's

No.

J.R.W.

3 Iron Rod

4th August 1921. Leith.J.R. Williamson per J. Davey
3 Piston Rods

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<u>Q.H. Steel.</u>	<u>Q.H. Steel.</u>	<u>Q.H. Steel.</u>	<u>Scrap Iron</u>
How made	<u>Forged</u>	<u>Forged</u>	<u>Forged.</u>	<u>Forged</u>
Dimensions				
Process on inspection	<u>Machined</u>	<u>Machined.</u>	<u>Machined.</u>	<u>Machined.</u>
Tests on Standard Test Pieces.				
Shear Test—				
Tons per square inch	<u>31.0</u>	<u>29.0</u>	<u>29.4</u>	✓
	<u>30.0</u>	<u>29.0</u>	<u>32.0</u>	✓
Extension per cent				
Bending Test—				
Angle before fracture	<u>180</u>	<u>180.</u>	<u>180</u>	✓
Dates when Inspected	<u>8-6-20. 16-6-20</u>	<u>29-6-20. 6-7-20.</u>	<u>8-6-20. 16-6-20.</u>	<u>28-5-20.</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Surface inspection

Fee (if any chargeable) £ ✓
To be paid at _____

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.