

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office \_\_\_\_\_ 19\_\_

# Lloyd's Register of Shipping.

(Report on Machinery, No. 5694 Port Manchester)

## No. F2310 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by Mitchell Shackleton & Co. of Manchester for the Engines No 26397 being constructed by L. Gardner & Sons Ltd of Manchester for the Ship No. 39, being built by Amble S. B. Co. Ltd of Amble

have been inspected by me as set forth below, and found to be, so far as can be seen, Sound.

1 - Clutch & Thrust Shaft. No 917. 4 - Connecting Rods 977. 978

1 - Tail Shaft No 1014.

2 - 30CR Auxiliary Engine Ck. Shafts 1005/6 (used for Ship 39)

Forgings or Castings.

*Alfred J. Lane*

Inch. 5/10/25.

Lloyd's

No. 917

1014

18.3.25

15.9.25 R.M.

917

Connecting Rod  
STRAIGHT SHAFTING.

1014.

	CRANK SHAFT. <u>1005/6.</u>		STRAIGHT SHAFTING.		
			THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<u>S.M. Ingot Steel</u>	<u>S.M. Ingot Steel</u>	<u>S.M. Ingot Steel</u>	<u>S.M. Ingot Steel</u>	<u>S.M. Ingot Steel</u>
Made	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>
Dimensions	<u>2 1/2"</u>	<u>9 5/8"</u>	<u>2 1/2"</u>	<u>4' 0"</u>	<u>4' 0"</u>
Condition	<u>Black &amp; finished</u>	<u>Black &amp; finished</u>	<u>Black &amp; finished</u>	<u>Black &amp; finished</u>	<u>Black &amp; finished</u>
Conform to Standard Test Pieces.	<u>1005</u>	<u>1006</u>	<u>917</u>	<u>977</u> <u>978</u>	<u>1014</u>
Yield Point Test—	<u>28.2</u>	<u>28.0</u>	<u>32.0</u>	<u>32.0</u> <u>31.8</u>	<u>29.6</u>
per square inch	<u>32.0</u>	<u>32.0</u>	<u>31.0</u>	<u>28.0</u> <u>31.0</u>	<u>31.0</u>
Elongation per cent	<u>32.0</u>	<u>32.0</u>	<u>31.0</u>	<u>28.0</u> <u>31.0</u>	<u>31.0</u>
Bending Test—	<u>180°</u>	<u>180°</u>	<u>180°</u>	<u>180°</u> <u>180°</u>	<u>180°</u>
angle before fracture	<u>180°</u>	<u>180°</u>	<u>180°</u>	<u>180°</u> <u>180°</u>	<u>180°</u>
Inspected	<u>26.6.25 - 6.8.25</u>	<u>11.2.25</u>	<u>18.3.25</u> <u>20.4.25</u> <u>22.5.25</u>	<u>31.7.25</u>	<u>15.9.25</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ Closed Vessel  
To be paid at \_\_\_\_\_

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

State if annealed Yes

