

S. J. Stuart Prince.
For the information of Surveyors and the Committee only.

Received at

Office,

19

Lloyd's Register of Shipping.

(Report on Machinery, No. 16917 Port Mob.)

No. F593 ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by MESSRS MITCHELL SHACKLETON & Co. Ld. of PATRICROFT. for the Engines No. 3480. being constructed by MESSRS RUSSELL NEWBERRY & Co. of ALTRINCHAM. for the Ship No. 1067. being built by MESSRS SMITH'S DOCK Co. Ltd. of SOUTH BANK. Mdb. 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 ~~inspected and found~~ INSTALLED IN ENG. No. 3480.

Mark on Forgings or Castings.

Lloyd's
No. 9431.
GRC. 20/12.39

George R. Chappell.
MANCHESTER.
10.10.39.

	CRANK SHAFT. <u>No 9431.</u>	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>O.H. INGOT STEEL.</u>			
How made ...	<u>FORGED.</u>			
Annealed... ..	<u>YES.</u>			
Dimensions } Forgings	<u>3 1/2 x 2 3/8 INS.</u>			
Weight	<u>191.6 Tons</u>			
Weight, Castings ...				
Progress on } Inspection	<u>FORGED, ROUGH & FIN. Mdb.</u>			
TEST RESULTS.	<u>No 9431.</u>			
Ultimate Tensile.	<u>40.8</u>			
Tons per sq. in. ...	<u>25.2</u>			
Tons per sq. in. ...	<u>27</u>			
Extension per cent on... .. inches	<u>42.0</u>			
Red. of Area %	<u>180°</u>			
Old Bending Test...				
Dates when Inspected	<u>18.11.39 To. 20.12.39.</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Fee (if any chargeable) ✓

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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Lloyd's Register