Rpt. 7.

For the information of Surveyors and the Committee only.

Received at ..... Office, ... 19

The words FORGINGS or CASTINGS should be struck out as may be required.

Lloyd's Register of Shipping.

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

No. F.3106 ENGINE FORGINGS ~~OR CASTINGS.~~

I have to report that the Forgings ~~or Castings,~~ as herein described, manufactured by English Steel Corporation Ltd. of Manchester. for the Engines ORDER No. 32.B.W.12 ing constructed by The Wallsend Slip & Eng. Co. Ltd. of Wallsend-on-Tyne. 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 Wallsend.

Mark on Forgings ~~or Castings.~~

Lloyd's
No.s 2601 & 2602.
23-1-30

J. F. Campbell
Manchester 25-1-30.

	~~CRANK SHAFT.~~	~~THRUST SHAFT.~~	~~INTERMEDIATE SHAFT.~~	~~TUBE SHAFT.~~
	1-1st REDUCTION PINION.		1-2nd REDUCTION PINION.	
	~~FLYWHEEL SHAFT.~~			~~SCREW SHAFT.~~
Material*		Nickel Steel		
How made		Forged		
If Annealed		Yes.		
Dimensions, Forgings	10·1" outside dia.	journals 7" dia.	20·1" & 16·8" outside diars.	FINISHED BORE 13·98" dia.
Weight, Castings ...	✓		✓	
Progress on Inspection ...		Rough machined.		
Tests on Standard Test Pieces.	N° 2601		N° 2602	Specified
Tensile Test— Tons per square inch ...	43·3		43·0	41-47 Tons.
Extension per cent ...	19·0		16·0	Elong. 15/18% Minimum.
Cold Bending Test— Angle before fracture ...	180°		180°	
Dates when Inspected		10-1-30 to 23-1-30		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Yield. :-	33·0	33·0
Reduction in Area % :-	53	45

Fee (if any chargeable) £2- 2- 0 To be paid at Manchester

* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.

10m,7,28.

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