

Lloyd's Register of Shipping.

(Report on Machinery, No. 95796 Port Ave.)

No. F12096 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. Hopkinsons Ltd., of Huddersfield for the Engines No. being constructed by Messrs. N. E. Marine Eng. Co. of Wallsend-on-Tyne. 1178/37 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 on Tyne.

Mark on Forgings or Castings.

Lloyd's

No. G382

G.402.

G.416.

G.345

G.402

Manchester.

M.A.B.

M.A.B.

M.A.B.

M.A.B.

M.A.B.

12.8.37.

12.8.37.

16.8.37.

18.8.37

30.8.37.

18/12/37.

	CRANK SHAFT. G.398 G.462. M.A.B. M.A.B. 6.9.37. 6.9.37. FLYWHEEL SHAFT.		THRUST SHAFT.		INTERMEDIATE SHAFT.		TUBE SHAFT.	
							SCREW SHAFT.	
Material* ...	Cast Steel		G.382. 1 - 3 $\frac{1}{2}$ "		G V Body F.7.			
How made ...	Cast		G.402. 1 - 4"		G V Body F.9.			
If Annealed...	Yes		G.416. 1 - 4"		Aux. Blr.S V Body F.3.			
Dimensions	Forgings		G.345. 1 - 5" x 4 x 4 Tee-piece F.17					
			1 - 3" A V Body. F. 6.					
Weight			G.402. 1 - 5" x 4 x 4 T'piece F.18.					
			G.398. 1 - 4" Aux. B S V Body. F.8.					
Weight, Castings	19 cwts 1 qr 12 lbs.		2 - 3 $\frac{1}{2}$ " A V Covers. F.4. F.5.					
			1 - 3 $\frac{1}{2}$ " G V Cover. F. 7.					
Progress on Inspection	Rough Cast		G.462. 1 - 3 $\frac{1}{2}$ " A V Body F.5.					
			1 - 5" Main Stop V Body.F.1.					
Tests on Standard Test Pieces.	G.382	G.402	G.416.	G.345	G.402.	G.398	G.462.	
Tensile Test—Yield	14.8	17.7	15.8	15.4	17.2	14.8	14.6	
Tons per square inch	29.8	30.8	30.4	29.6	30.6	30.6	29.0	
Extension per cent	28	31	30	32	30	29	31	
Cold Bending Test—Angle before fracture	130°	130°	130°	130°	130°	130°	130°	
Dates when Inspected	9.9.37	---	to	---	1.11.37.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Hammer tests satisfactory.

Expenses... 7 : 6

Fee (if any chargeable) £1 : 0 : 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.