

# Lloyd's Register of Shipping.

(Report on Machinery, No. 95796 Port Liver)

## No. F12096 ENGINE FORGINGS OR CASTINGS.

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

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. Hopkinsons Ltd., of Huddersfield.  
for the Engines No. Order J.1/232 being constructed by Messrs. N. E. Marine Eng. Co  
of Repair 1178/37. 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 on Tyne.

Mark on Forgings or Castings.

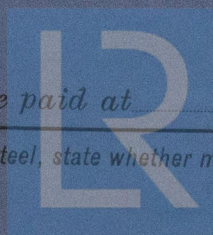
Lloyd's		M.A. Black.							
No.	G.464	G.489	G.495	G.505	G.478	G.529	M.A.B.		M.A.B.
	M.A.B.	M.A.B.	M.A.B.	M.A.B.	M.A.B.		M.A.B.		
	6.9.37.	6.9.37.	6.9.37.	9.9.37.	13.9.37		18/10/37.		
	G.237	CRANK SHAFT.		THRUST SHAFT.		INTERMEDIATE SHAFT.		TUBE SHAFT.	
	G.267								
	M.A.B.	M.A.B.							
	13.9.37.	13.9.37.							
	FLYWHEEL SHAFT.								
									SCREW SHAFT.
Material	Cast Steel			G.464. 1 - 3½ x 3 Valve Chest F.27					
How made	Cast			G.489. 1 - 3½ x 3 Valve Chest (altered) F28					
If Annealed	Yes			G.495. 2 - 5" Main Blr S V Covers F.1 F.2.					
Dimensions	Forgings			2 - 3" Valve Covers F.27 F.28					
				G.505. 1 - 5" Main S V Body. (Altered) F.2.					
Weight				G.478 1 - 1½ A V Cover F.13.					
				1 - 1½ G V Cover F.15.					
Weight, Castings	See Page 1.			G.529. 2 - 3½ Valve Covers F.27/28					
				G.237 1 - 2½ A V Body. F.11.					
Progress on Inspection	Rough Cast			G.237 2 - 4" Aux. Blr. S V Covers F3/8					
				G.267 1 - 1½" G V Cover F.14 1-3" A V Cover F.6.					
Tests on Standard Test Pieces	Yield.	G.464	G.489	G.495	G.505	G.478	G.529	G.237	G.267
Tensile Test—		14.8	16.6	15.4	15.4	14.8	15.6	16.8	16.6
Tons per square inch		30.0	31.8	30.0	30.2	31.2	29.6	33.0	31.8
Extension per cent		29	29	25	30	28	33	29	29
Cold Bending Test—									
Angle before fracture		130°	130°	130°	130°	130°	130°	130°	130°
Dates when Inspected	See Page 1.								

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Hammer tests satisfactory.

Fee (if any chargeable) See Page 1. 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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Foundation  
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