

LEEDS TO Newcastle.

Received at

Office,

19

Lloyd's Register of Shipping.

(Report on Machinery, No.

Port

LEEDS

No. F.954

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. Wallsend Slipway & Eng. Co. 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-on-Tyne.

Mark on ~~Forgings or~~ Castings.

Lloyd's

No. U.162, 4834, 4842, 4852, 4906, 5083,

U.325, U.425. L.A.W. & R.J.Y. 10-9-46 to 13-12-46.

LEEDS. January 29th, 1947.

La Whyatt.

	CRANK-SHAFT.	THRUST-SHAFT.	INTERMEDIATE-SHAFT.	TUBE-SHAFT.				
		<u>U.162</u> 1 - 4" Super. Steam S. Valve.						
		<u>4834</u> 1 - 4" -do- Cover						
	FLYWHEEL-SHAFT.	1 - 2 1/2" Aux. Steam S. Valve.	C. SCREW-SHAFT.					
		<u>4842</u> 1 - 1 1/2" Circ. Steam Valve Cover.						
		<u>4852</u> 1 - 1 1/2" Valve Body.						
		<u>4906</u> 1 - 2" x 2" x 1 1/2" Tee-piece.						
		1 - 1 1/2" x 1 1/2" x 1 1/2" Tee-piece						
		1 - 1 1/2" x 1 1/2" x 1 1/2" -do-						
		<u>5083</u> 1 - 1 1/2" Cir. Steam Valve						
		<u>U.325</u> 1 - Water Gauge Stand						
		<u>U.425</u> 1 - 2 1/2" Aux. Steam Stop V. Body.						
Material* ...	E.F. & Conv. Steel							
How made ...	Cast							
If Annealed...	Normalised.							
Dimensions	-							
Weight } Forgings	-							
Weight, Castings ...	5 Cwt 2 qrs 1 lb.							
Progress on } Inspection }	Dressed							
TEST RESULTS.	<u>U.162</u>	<u>4834</u>	<u>4842</u>	<u>4852</u>	<u>4906.</u>	<u>5083</u>	<u>U.325</u>	<u>U.425</u>
Ultimate Tensile.								
Tons per sq. in. ...	29,6	35,4	32,4	34,8	38,4	32,7	30,6	29,8
Yield Point.								
Tons per sq. in. ...	15,5	22,0	19,8	21,0	24,5	16,6	18,2	15,0
Extension per cent								
on... 3.... inches ...	30,0	30,0	31,0	27,0	24,0	29,0	30,0	32,0
Red. of Area %	46,4	53,4	53,4	47,2	40,6	50,0	49,0	52,6
Cold Bending Test...	130°	130°	130°	130°	130°	130°	130°	130°
Dates when Inspected		10-9-46	to	13-12-46.				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Hammer tests satisfactory.



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Lloyd's Register

Fee (if any chargeable) Included on F.953 To be paid at

LEEDS.

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