

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.

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

Handwritten: 415/12

Mark on ~~Engines 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. *La Whyatt.*
and for R.J. Yorston
LEEDS. January 29th, 1947.

	CRANK-SHAFT.	THRUST-SHAFT.	INTERMEDIATE-SHAFT.	TUBE-SHAFT.	FLYWHEEL-SHAFT.	C. SCREW-SHAFT.		
		<u>U.162</u> 1 - 4" Super. Steam S. Valve.						
		<u>4834</u> 1 - 4" -do- Cover						
		<u>4842</u> 1 - 2 1/2" Aux. Steam S. Valve.						
		<u>4852</u> 1 - 1 1/4" Circ. Steam Valve Cover.						
		<u>4906</u> 1 - 1 1/2" Valve Body.						
		<u>5083</u> 1 - 2" x 2" x 1 1/2" Tee-piece.						
		<u>U.325</u> 1 - 1 1/2" x 1 1/2" x 1 1/2" Tee-piece						
		<u>U.425</u> 1 - 1 1/2" x 1 1/2" x 1 1/2" -do-						
		<u>5083</u> 1 - 1 1/4" 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 } Forgings	-							
Weight } Castings	-							
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.