

Received at

17 JUL 1924

Lloyd's Register of Shipping.

(Report on Machinery, No. 43837 Port Glasgow)

No. 343/4 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel~~ Forgings or Castings, as herein described, manufactured by *W^m Beardmore & Co* of *Glasgow* for the Engines No. *604/5* being constructed by *W^m Beardmore & Co* of *Coatbridge* for the Ship No. *289*, being built by *Messrs Caledon & Co* of *Dumfries* have been inspected by me as set forth below, and found to be, so far as can be seen, *Sound*

"Piston Rods & Connecting Rods Satisfactory" *at*

Mark on Forgings or Castings.

Lloyd's

No. 343/4

A.F.

Alexander Litcher

Glasgow. 17/3/1924.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<i>Seemans</i>	<i>Cranks</i>	<i>Ingot</i>	<i>Steel</i>
How made	<i>Forged</i>		<i>Forged</i>	
Dimensions	<i>6 3/4 dia</i>	<i>6 3/4 dia</i>	<i>6 1/2 dia</i>	<i>7 1/2 dia</i>
Progress on Inspection	<i>Forging</i>	<i>turning</i>	<i>Crough</i>	<i>turned</i>
Tests on Standard Test Pieces.			<i>30-0 29.8 320 31.4</i> <i>28. 28. 29. 29.</i>	
Tensile Test— Tons per square inch	<i>31.4 32. 31.2 31.</i>	<i>30.6 30</i>	<i>31.8 31.6 30.6 30</i>	<i>30.6 30.8 31.2.</i>
Extension per cent	<i>20. 32. 28. 26.</i>	<i>30 29</i>	<i>32. 32. 20. 32</i>	<i>28. 28. 31.</i>
Cold Bending Test— Angle before fracture	<i>180</i>	<i>180</i>	<i>180</i>	<i>180</i>
Dates when Inspected	<i>27/9/1923</i>	<i>3/10</i>	<i>17/3/1924</i>	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ *NIL (Vessel Classed)*

To be paid at

weight *11 tons*

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

J.B.

Shaftraj

437

[Faint handwritten notes and signatures]

[illegible]

CRANK SHAFT

INTERMEDIATE SHAFT

STRAIGHT SHAFTING

PROPELLER SHAFT

J. H. Smith

J. H. Jones

J. H. Brown

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600

700

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1000

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1200

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2500

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2800

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3000

3100

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