

For the information of Surveyors and the Committee only.

Received at

Office,

19

# Lloyd's Register of Shipping.

(Report on Machinery, No. 10811. Port Middlesbrough)

## No. 16992. ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by John Spencer & Sons Ltd. of Newburn for the Engines No. 1881 being constructed by Blair & Co. Ltd. of Stockton-on-Tees 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

4. Furnish  
Forgings or Castings.

Mark on crank & tail

Lloyd's

No. 4965N

W.C. & W.M.

440YDS

Nº 7269

WM - 31'7.20

27.8.20

2.9.20

crank

} Tail end

W. Campbell

Newcastle

	CRANK SHAFT.		STRAIGHT SHAFTING.		
			THRUST SHAFT.	6. INTERMEDIATE SHAFTS.	2. PROPELLER SHAFT.
Material	<u>Ingot Steel</u>		<u>Ingot Steel</u>	<u>Ingot Steel</u>	<u>Ingot Steel</u>
Process	<u>Forged &amp; Built</u>		<u>Forged</u>	<u>Forged</u>	<u>Forged</u>
Dimensions	<u>14 1/4 - 14 3/4</u>		<u>14 3/4</u>	<u>13 3/4</u>	<u>15 1/16 - 15 3/4</u>
Finish	<u>Rough turned</u>		<u>Rough turned</u>	<u>Rough turned</u>	<u>Rough turned</u>
Standard Pieces.					
Weight square inch	<u>31'6. 31'4. 31'0. 31'6. 31'6</u>		<u>30'6.</u>	<u>30'6. 30'8. 30'6. 28'2. 30'2. 31'8.</u>	
Per cent	<u>30% 29% 27% 30% 29%</u>		<u>31%</u>	<u>28% 32% 30% 32% 33% 30%</u>	
Test—					
Re fracture	<u>180° 180° 180° 180° 180°</u>		<u>180°</u>	<u>180° 180° 180° 180° 180° 180°</u>	
Inspected	<u>November 13, To December 15 - 1919</u>				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

continuous lines  
shafts examined while being machined & when finished &  
found as far as could be seen sound and good.

shafts re-stamped as above

if any chargeable) £  
to be paid at

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

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

RECEIVED  
JAN 15 1920  
LLOYD'S REGISTER  
MIDDELBROUGH

Lloyd's Register  
Foundation