

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 19__

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port _____)

No. 4013 ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by The Yorkshire Engine Co. L^{td} of Sheffield for the Engines No. _____ being constructed by Messrs Newton Beam & Mitchell of Bradford 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, Satisfactory

on Forgings or Castings.

Lloyd's
No. W.G.H.

W. G. Hume

Sheffield 16/10/19

	CRANK SHAFT.		STRAIGHT SHAFTING.	
	5 Connecting Rods	3 Crossheads <small>THRUST SHAFT.</small>	INTERMEDIATE SHAFTS.	PROPELLER SHAFT <u>N^o 635</u>
Material	<u>Siemens Steel</u>			<u>Siemens Steel</u>
Made	<u>Forged</u>			<u>Forged</u>
Dimensions				
Process on Inspection	<u>Rough machined</u>			<u>Rough machined</u>
on Standard Test Pieces.	<u>n^o 51</u>	<u>n^o 52</u>		<u>n^o 50</u>
Yield Test— per square inch	<u>31.1</u>	<u>30.0</u>		<u>30.0</u>
Elongation per cent	<u>29</u>	<u>31</u>		<u>30</u>
Bending Test— angle before fracture	<u>180°</u>	<u>180°</u>		<u>180</u>
Dates when Inspected	<u>19/9/18</u>	<u>31/3/19</u>		<u>19/9/19 - 31/3/19</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

* The Propeller shaft marked N^o 635, W. & H. has been fitted in Concrete Tug "Bretewheel, N^o 36.

The Propeller shaft marked N^o 1000, P.T.B. made by Messrs Grant, Ritchie & Co. Tilmarnock is fitted in "Cable block" N^o 35.

Fee (if any chargeable) £ ✓
To be paid at _____

Ed. W. Hutton
Sunderland

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