

Lloyd's Register of Shipping.

(Report on Vessel No. _____ Port Sunderland)

No. _____ SHIP FORGINGS OR CASTINGS.

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

I have to report that the undermentioned Iron or Steel Forgings or Castings, manufactured by **Messrs E. Jopling & Sons, Ltd.** of **Sunderland.** for the Vessel No. 259, being built by Roburn, Graham & Co of Hylton have been inspected by me as set forth below and found to be, so far as can be seen, **sound.**

Crosshead for steering gear being constructed by
Westmoor Eng Works

Mark on Forgings or Castings.

Lloyd's
No. 1509

D. D. Williamson

Sunderland.

CROSSHEAD.

	STERN FRAME.	RUDDER FRAME.	STEM.
Material* ...		Steel.	
How made ...		Cast.	
Dimensions ...			
Progress on Inspection ...		Hammering & testing.	
Date when Inspected ...		<u>19-4-18</u>	
CASTINGS.			
Tests on Standard Test Pieces.			
Tensile Test—			
Tons per square inch ...		<u>31.58</u>	
Extension per cent. <u>3"</u> ...		<u>25.0</u>	
Cold Bending Test—			
Angle before fracture ...		<u>120°</u>	
Drop Test—			
Height from ground ...			
Hammering Test—			
If made according to Rules (and found satisfactory ...)		<u>Yes</u>	

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS.

Cwt gr the
2-1-14

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



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

SUNDERLAND

CERTIFICATE FOR CROSSHEAD

No 259.

Messrs OSBOURNE GRAMAM & Co

S.S. "DAGENHAM"

SUNDERLAND T.P.T. NO. 27614



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