

For the information of Surveyors and the Committee only.

13 MAY 1942

Received at

Office

Lloyd's Register of Shipping.

(Report on Vessel No. 51747)

Port Hull

No. F9407 SHIP FORGINGS ~~OR CASTINGS~~.

I have to report that the undermentioned ~~Iron or Steel Forgings or Castings~~, manufactured by The Wolsingham M. Co of Wolsingham for the Vessel No. —, being built by S/S. NELLIE of — have been inspected by me as set forth below and found to be, so far as can be seen, Sound

sent to Stewart & Craig Ma. Hull.

on Forgings or Castings.

Enas. S. Lortu

Head. Sunderland. 9/5/42

Lloyd's
No. 865
CP. 8-5-42

	STERN FRAME.	RUDDER FRAME.	STEM.
Material		<u>S. M. Ingot. Steel</u>	
made		<u>Forged</u>	
annealed		<u>Heat. treated</u>	
Dimensions		<u>9 1/2" dia</u>	
Process on Inspection		<u>Forging & Machining</u>	
when Inspected		<u>19-3-42 to 8-5-42</u>	
CASTINGS.		<u>Test no. 539.</u>	
Tests on Standard Test Pieces.			
Site Test—			
Ultimate Tensile.		<u>29.2</u>	
Stress per sq. in...			
Yield Point.			
Stress per sq. in...			
Elongation per cent.		<u>35%</u>	
Reduction of Area %			
Charpy Bending Test—		<u>180°</u>	
Angle before fracture			
Drop Test—			
Height from ground			
Immersion Test—			
If made according to Rules and found satisfactory			

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

Rudder plate failed.
Main-piece Coupling E. W
in way of crack, & Steel
band shrunk on coupling.
6. New pintles fitted &
new Coupling Bolts supplied

T. C
2-2-1-0
5-0-0 - arms
2-7-1-0

The above Forging was Machined and finished by the Sunderland Forge and Engineering Co., Ltd.

Fee (if any chargeable) £ 1 : 15 : 0

To be paid at SUNDERLAND.

APPLIED FOR 12 MAY 1942

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