

79 DEC 1944

Lloyd's Register of Shipping.

Report on Vessel No. 18825 Port West HartlepoolNo. F.52.**SHIP FORGINGS OR CASTINGS.**

I have to report that the undermentioned ~~XXXXX~~ Steel ~~Forgings~~ Castings, manufactured by Messrs. Head Wrightson & Co. Ltd., of Thornaby-on-Tees. for the Vessel No. 1171, being built by Central Marine Eng. Works, of West Hartlepool, have been inspected by me as set forth below and found to be, so far as can be seen, sound.

Mark on ~~XXXXX~~ Castings.

Lloyd's

No. 52.

E.B.18.4.44. 1 Coupling piece,
1 Rudder arm.

Middlesbrough.

	SPERN FRAME	RUDDER FRAME	STEM
Material*	Acid Converter Steel.		
How made	Cast.		
If annealed	Yes.		
Dimensions	To pattern		
Progress on Inspection ...	Rough Dressed.		
Date when Inspected ...	18.4.44 to 20.4.44.		
CASTINGS.			
Tests on Standard Test Pieces.	E.777	E.766	
<u>Tensile Test—</u>			
Ultimate Tensile.			
● Tens per sq. in. ...	31.4	29.6	
Yield Point			
Tons per sq. in. ...	-	-	
Extension per cent.			
on.....3.....inches ...	28.0	28.0	
Red. of Area %	-	-	
<u>Cold Bending Test—</u>			
Angle before fracture ...	120°NB	120°NB	
<u>Drop Test</u>			
Height from ground ...	12'-0"	12'-0"	
<u>Hammering Test—</u>			
If made according to Rules and found satisfactory ...	Yes	Yes	

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

Weight:- t. c. a. lbs.
2 - 9 - 1 - 4

Fee (if any chargeable) £

8 : 2d.

To be paid at

Wib.

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