

79 DEC 1943

Lloyd's Register of Shipping.

Report on Vessel No. 18825 Port West Hartlepool

No. F.52.

SHIP FORGINGS OR CASTINGS.

I have to report that the undermentioned ~~XXXXX~~ Steel ~~XXXXXX~~ 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 ~~XXXXXX~~ Castings.

Lloyd's
No. 52.
E.B.18.4.44.

E.P. Best

1 Coupling piece,
1 Rudder arm.

Middlesbrough.

	STEM 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.			
<u>Tensile Test—</u>	E.777	E.766	
<u>Ultimate Tensile.</u>			
Tons per sq. in.	31.4	29.6	
<u>Yield Point</u>			
Tons per sq. in.	-	-	
<u>Extension per cent.</u>			
on <u>3</u> inches	28.0	28.0	
<u>Red. of Area %</u>	-	-	
<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 _____ Wkb.

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

