

## Lloyd's Register of Shipping.

Order: 656M.

(Report on Vessel No.

1191.

Port

Malmö.

No. 3862.

SHIP FORGINGS <sup>and</sup> ~~OR~~ CASTINGS.

I have to report that the undermentioned ~~XXXXXX~~ Steel Forgings ~~and~~ Castings, manufactured by Messrs. Ruhrstahl A. & Stahlwerk Krieger of Düsseldorf for the Vessel No. 171, being built by Messrs. Kockums mek. Verkstads A. & F. of Malmö have been inspected by me as set forth below and found to be, so far as can be seen, 1 stern frame, 1 rudder post, 5 rudder arms, 2 propeller brackets, 1 rudder shaft cast steel and upper end forged, 2 pintles and 1 forged plate sound and free from surface defects.-

Mark on Forgings or Castings.

Lloyd's	Düsseldorf 28th April 1931. F. Rohlsaat					
No. 138/139/140/141. F.K. 27.4.31.						
2370/2371/2372. F.K. 18.4.31.	139.					
747. M.K. 13.2.31.	140. 141.					
	1 rudder		5 rudder arms		1 prop.	
	1 stern frame		bracket		bracket	
Material*	Annealed		Siemens		Steel	
How made	cast		cast		cast	
If annealed	Yes		Yes		Yes	
Dimensions						
Progress on Inspection	rough turned		rough turned		rough turned	
Date when Inspected	27.4.31.		27.4.31.		27.4.31.	
CASTINGS.	.798 3"		.798 3"		.798 3"	
Tests on Standard Test Pieces.						
Tensile Test—	28,8 29,3 28,8 28,7		31,1 31,5 30,9 29,0		31,7 29,7 29,3 29,5	
Tons per square inch	28,0 26,6 33,3 33,3		30,6 25,4 28,0 32,0		26,8 29,3 30,6 22,6	
Extension per cent. ...						
Cold Bending Test—	120 degr. good		120 degr. good		120 degr. good	
Angle before fracture						
Drop Test—	7 feet		7 feet		7 feet	
Height from ground ...						
Hammering Test—	satisfactory.		satisfactory.		satisfactory.	
If made according to Rules and found satisfactory ...						

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

rudder shaft cast steel	.798	3"	28,8	Ts.p.sq.inch.	35,4%	elong.	} 2370. F.K.
and upper end forged	330ø .798	3"	28,7	" " "	34,1%	"	
pintle	.798	3"	30,5	" " "	32,8%	"	
"	.798	3"	30,9	" " "	31,5%	"	
forged plate 302mm ø	.798	3"	29,5	" " "	31,5%	"	} 747. M.K.

Fee (if any chargeable) £

To be paid at Düsseldorf.

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



