

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 19\_\_

# Lloyd's Register of Shipping.

Order: 162730.

(Report on Machinery, No. 7388 Port Gothenburg)

No. 25442 ENGINE FORGINGS OR CASTINGS.

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

I have to report that the Forgings ~~and Castings~~ as herein described, manufactured by Messrs. Gutehoffnungshütte A.G. of Sterkrade for the Engines No. \_\_\_\_\_ being constructed by Messrs. Götaverken of Gothenburg for the Ship No. M.413, being built by Messrs. A.B. Götaverken of Göteborg have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to Göteborg.

Mark on Forgings or Castings.

Lloyd's  
No. 7741/7742  
M.B. 22.10.27

Düsseldorf 26th October 1927.

*[Signature]*

1 four throw built up crank shaft with 1 compr. crank throw.

	1 crank throu	2 crank throu	2 webs (cast steel)	1 journal
Material* ...	Annealed	Siemens	Martin	Ingot Steel
How made ...	forged	forged	forged	forged
If Annealed ...	Yes	Yes	Yes	Yes
Dimensions, Forgings	350 mm ø	350 mm ø		350 mm ø
Weight, Castings				
Progress on Inspection	rough turned	& finished	rough turned	& finished
Tests on Standard Test Pieces.	.798 3"	.798 3"	.798 3"	.798 3"
Tensile Test—	30,5 29,1	29,7 28,5	28,5 29,7	30,5 30,7
Tons per square inch	32,0 33,3	30,6 31,0	34,0 34,7	32,0 29,3
Extension per cent	180 degr. good	180 degr. good	180 degr. good	180 degr. good
Cold Bending Test—				
Angle before fracture	22.10.27.	22.10.27.	22.10.27.	22.10.27.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

	Tens p. sq. inch.	Elongation.
1 journal	.798 3" 28,2	34,6 %
2 pins	.798 3" 29,9	34,0 %
1 pin	.798 3" 30,1	33,3 %
1 pin	.798 3" 28,3	33,3 %
1 pin	.798 3" 28,9	34,6 %
1 pin	.798 3" 29,7	32,0 %
compr. crank throu	.798 3" 29,9	33,3 %
	.798 3" 28,2	34,6 %
	.798 3" 29,1	33,3 %

Fee (if any chargeable) £ \_\_\_\_\_ To be paid at \_\_\_\_\_ Düsseldorf.

\* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.

5m.7.27.

W1088-0189

W1088-0193