

9 SEP 1933

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 19

Lloyd's Register of Shipping.

(Report on Machinery, No. 8338 Port Bilbao.)

No. 200 ENGINE FORGINGS ~~OR CASTINGS.~~

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by Messrs. Soc. Esp. de Const. Naval of Reinosa for the Engines No. 3460333 being constructed by Soc. Esp. de Const. Naval of Sestao, Bilbao. for the Ship No. 27, being built by Messrs. Behn Meyer & Co. of Baden. 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 Sestao.

on Forgings or Castings.

Lloyd's

No. 118 & 119

ED. 18-8-32.

G. Dixon.

Bilbao.

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>AUXILIARY ENGINE CRANKSHAFTS.</u>			
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material	<u>Stk. Steel.</u>			
Made	<u>Forged.</u>			
Heat-treated	<u>Yes.</u>			
Dimensions, Forgings	<u>135 1/2 dia.</u>			
Height, Castings	<u>✓</u>			
Process on inspection	<u>Forged, rough & finish machined.</u>			
Tests on Standard Test Pieces.	<u>no. 118</u>	<u>no. 119</u>		
File Test—	<u>BETWEEN WEBS</u>	<u>END.</u>	<u>BETWEEN WEBS</u>	<u>END.</u>
Results per inch	<u>47.1</u>	<u>44.7</u>	<u>45.3</u>	<u>47.1</u>
Results per inch	<u>33</u>	<u>32</u>	<u>34</u>	<u>36</u>
Elongation per cent	<u>180%</u>	<u>180%</u>	<u>180%</u>	<u>180%</u>
Bending Test—				
Angle before fracture	<u>30.5.32</u>	<u>20.6.32</u>	<u>18.8.32</u>	
When Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

(if any chargeable) £ ✓

To be paid at ✓

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