

# Lloyd's Register of Shipping.

(Report on Machinery, No. 1404 Port 160)

## No. 252 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. Sdad. E. de Construcccion Naval of REINOSA for the Engines No. SL60335 being constructed by Messrs. Sdad. E. de Construcccion Naval of Sestao for the Ship No. 66, being built by Sdad. E. de Construcccion Naval of Cadiz 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.

*Handwritten signature: J. K. + G. Nixon*

Lloyd's  
No. 220 & 117  
JCK. 7-2-33 GD. 18-8-32

BILBAO

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	AUXILIARY ENGINE CRANK SHAFTS.			
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	S.M. Steel			
How made ...	Forged			
Annealed ...	Yes			
Dimensions, Forgings	135 mm. dia.			
Weight, Castings	---			
Progress on Inspection }	Forged, rough & finish machined			
Tests on Standard Test Pieces.	No. 117	No. 220		
Between Webs End	50.2	48.9	47.2	45.3
Tensile Test—				
Kgs. mm.	33	27	32	38
Extension per cent				
Cold Bending Test—	180°C.	180°C.	180°C.	180°C.
Angle before fracture				
Dates when Inspected	30-5-32, 20-6-32, 18-8-32, 30-9-32 & 7-2-33.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

To be paid at BILBAO.

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