

# Lloyd's Register of Shipping.

(Report on Machinery, No. 8338 Port Ob)

## No. 204 ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings or Castings, as herein described, manufactured by Alfon. Hornos of Bilbas & Soc. Esp. de Const. Naval of Reimosa for the Engines No. 5160333 5160324 being constructed by Soc. Esp. de Const. Naval of Sestas Bilbas for the Ship No. 27, being built by Messa Echevarriola y Laminaga of Badiz, 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 Sestas.

*G. Dixon.*

*Bilbas.*

Lloyd's

No. 164 & 165  
2-11-32 & 10-2-33  
G. D.

CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
<u>STAR<sup>d</sup> CRANKSHAFT.</u>		<u>PORT CRANKSHAFT.</u>	
FLYWHEEL SHAFT.		SCREW SHAFT.	

Material	<u>S. M. Steel</u>		
Material made	<u>Forged - built up, each crank solid, body piece shrunk.</u>		
Material annealed	<u>Each separate forging annealed.</u>		
Dimensions, Forgings	<u>390<sup>m</sup> dia.</u>		
Material, Castings			
Progress on inspection	<u>Forged, rough, process of shrinking &amp; finish machining.</u>		
Tests on Standard Test Pieces.	<u>No. 164</u>	<u>No. 165.</u>	
Tensile Test—	<u>All crank web pieces made by Messrs Alfonso Hornos, Bilbas.</u>		
Tensile per square inch	<u>All body pieces made by Messrs Soc. Esp. de Const. Naval, Reimosa.</u>		
Elongation per cent	<u>3 Crank web pieces made by Messrs Alfonso Hornos, Bilbas</u>		
Bending Test—	<u>1 Crank web &amp; all body pieces made by Soc. Española de Const. Naval, Reimosa.</u>		
Angle before fracture			
When Inspected	<u>Various. All lists of various components in accordance with the Society's Rules.</u>		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

No dowel pins have been fitted in accordance with Sulzer practice & approved plan dated 15/2/32.

(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.

