

# Lloyd's Register of Shipping.

(Report on Machinery, No. 974 Port Stettin,)

## No. 180. ENGINE FORGINGS ~~OR CASTINGS.~~

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by Messrs. A. Borsig G.m.b.H. of Berlin-Tegel. for the Engines No. 7970 being constructed by Messrs. A. Borsig G.m.b.H. of Berlin-Tegel for the Ship No. 302, being built by Messrs. Lübecker Maschinenbau Gesellschaft of Lübeck, 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 Lübeck: - Four Columns, four Connecting rods.----

Mark on Forgings ~~or Castings.~~

Lloyd's

Nos. 961-968.

N.S. 16.6.30.

Stettin, 23rd June 1930.

*M. Prohle*

	<del>CRANK SHAFT.</del>	<del>THRUST SHAFT.</del>	<del>INTERMEDIATE SHAFT.</del>	<del>TUBE SHAFT.</del>
	<u>Four Columns:</u>	<u>Four Connecting rods:</u>		
	<del>FLYWHEEL SHAFT.</del>			<del>SCREW SHAFT.</del>
Material* ...	<u>S.M. Ingot Steel.</u>	<u>S.M. Ingot Steel.</u>		
How made ...	<u>Forged.</u>	<u>Forged.</u>		
If Annealed ...	<u>Yes.</u>	<u>Yes.</u>		
Dimensions, Forgings	<u>To plan.</u>	<u>To plan.</u>		
Weight, Castings	<u>Nos. 961-964.</u>	<u>Nos. 965-968.</u>		
Progress on { Inspection }	<u>Rough &amp; Finished.</u>	<u>Rough &amp; finished.</u>		
Tests on Standard Test Pieces.	<u>.798"      3.-"</u>	<u>.798"      3.-"</u>		
Tensile strength	<u>45.5 - 46.2 kgs/sqmm.</u>	<u>45.8, 45.8, 45.2, 46.5 kgs/sqmm.</u>		
Extension per cent	<u>40. - - 38.5%</u>	<u>37.5, 37.5, 37.5, 37.5 %</u>		
Cold Bending Test— Angle before fracture	<u>All 180 degrees.</u>	<u>All 180 degrees, good.</u>		
Dates when Inspected	<u>5.3; 20.3; 2.4; 8.4; 20.5;</u>	<u>16.6.30.</u>		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

To be paid at Stettin.

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