

Surveyors' Office, DUSSELDORT

For the information of Shipbuilders, Engineers
and Owners

41620

heat treated

This is to certify, that the undermentioned Siem.Mart.

Ingot steel forgings ordered by Messrs. Maschinenfabrik Augsburg-Nurnberg of Augsburg and made by Messrs. Gutehoffnungshutte A.G. of Sterkrade have been inspected by Malte Berg the undersigned Surveyor to Lloyd's Register and that he found these forgings so far as can be seen in rough turned condition, to be free from defects.

DESCRIPTION	Diameter	Diameter of Sample mm	Gauge length of sample mm	Yield point per square inch $\frac{\text{kg}}{\text{mm}^2}$	Tensile strength per square inch $\frac{\text{kg}}{\text{mm}^2}$	Elongation in %	Reduction of area in %	Marks of Identification LLOYD'S
1 eight throw solid crank shaft	175/185mm	14,3	50	51,6	51,0	33,0	53,0	13498 M.B.29.11
			in 10xd			21,7		37
		Mesnager Impact Test:				11,3 mkg/cm ² .		
		14,3	50	29,9	54,2	33,0	51,0	
			in 10xd			22,0		
		Mesnager Impact Test:				10,4 mkg/cm ² .		

Bend test satisfactory

Dusseldorf, 2nd December 1937.

SURVEYOR TO LLOYDS REGISTER

W103-0036