

# Lloyd's Register of Shipping.

Port of Düsseldorf

17th September 1928.

o.580811

This is to Certify that

Josef Loogen

the undersigned Surveyor to this Society did at the request of Messrs. Friedr. Krupp A.G. of Essen test and inspect at their works one Reduction Gear, ordered by Messrs. Gebr. Sterk a. Co. of Hengelo and destined for the vessel "Nieuwkerk", being built by Messrs. P. Smit jr. of Rotterdam.

Samples taken from the shafts and tooth wheel rims were tested on the 13th September 1927 and subsequent dates and gave the following results:

	Yield point in tens p. sq. inch	Tensile ten. sq. inch	Elongation in 3 inch.
Pin shaft 140mm. diam.	35,4	52,9	25,4%
" 140mm. "	33,8	56,8	19,3%
" 350mm. "	32,6	52,5	22,7%
" 350mm. "	32,0	51,1	22,7%
Wheel rim 1376,26mm. diam.	29,7	45,3	27,4%
" " 1376,26mm. "	28,7	45,6	26,0%
" " 3017,025mm. "	29,7	45,6	22,6%
400mm. diam.	31,1	42,0	21,4%

All bend tests good.

The pinion shafts, wheels and rims were inspected during machining and before shranking.

On the 15th June 1928 the Gear was inspected after working on the trial stage without lead and the working parts were found, so far as could be seen, in good condition.

For identification the shafts and rims were stamped as follows:

2 pinion shafts 140mm. diam.	4436-4437	LLOYDS J.L. 15.6.28.
2 " " 350mm. "	4438-4439	
tooth wheel rims 1376,26mm. "	4440-4441	
" " " 3017,025mm. "	4443-4444	
1 shaft 400mm. "	4442	

*J. Loogen*

Surveyor to Lloyd's Register

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