

s. s. "MEERKERK". No. 30905 in R.B.

Exhaust steam turbine installation.

IT IS SUBMITTED that with an exhaust steam turbine combined with steam reciprocating engines for open sea service, the turbine transmitting an equivalent of 1590 IHP to the intermediate shaft by means of double reduction gearing, the revolutions per minute of the intermediate shaft and secondary pinion being 77 and 403 respectively, the following sizes of shafting merit approval, viz:-

main wheel shaft....550 mm. diameter with 445 mm.  
central hole.  
secondary pinion....420 mm. diameter with 355 mm.  
central hole.  
coupling shaft.....350 mm. diameter.

It is noted that these shafts, together with the gear wheel rims, have been constructed under the survey of the Germanischer Lloyd and that these parts have been examined by the Surveyors and found to be in good condition.

Further, the results of the tests as shown on the copies of the Germanischer Lloyd Certificates forwarded by them are considered satisfactory and in the circumstances these parts could be accepted for this installation.

It is further noted that the dimensions of the thrust shaft and the cone coupling are to be re-calculated and it is concluded that amended plans will be forwarded in due course. Pending confirmation of this conclusion the plans and copies of certificates are being retained.

The Surveyors should be advised that details of this case have already been submitted by the Rotterdam Surveyors and a

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copy of the Secretary's letter of the 30th ultimo should  
be forwarded to them.

*JA*  
Lr. Bmn  
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*W.G.F.*  
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8.11.33.

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