

s. s. "MEERKERK". No.30905 in Reg.Book.

Exhaust steam turbine installation.

IT IS SUBMITTED the Bremen Surveyors be informed that with steam reciprocating engines for open sea service, having cylinders 835 mm., 1340 mm. and 2200 mm. diameter by 1400 mm. stroke, working pressure 205 lb. per sq. inch, combined with an exhaust steam turbine on the Bauer-Wach system, the reciprocating engines developing 3650 IHP and the exhaust turbine an equivalent of 1590 IHP at 77 RPM of the propeller, the amended size of thrust shaft at the top of the cone, viz:- 425 mm. diameter merits approval in accordance with the usual practice, it being noted that only one key will be fitted between the cone coupling and thrust shaft, and not two keys as shown on the plan submitted by the Rotterdam Surveyors, and that the material of which the thrust shaft is made has a tensile breaking strength of 47.1 kg. per sq. mm. The details of the cone coupling as shown on the plan also merit approval.

It is further noted that these forgings which were constructed under the survey of the Germanischer Lloyd have been examined by the Surveyors and found to be in good condition.

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, provided the Owners written

W299-0159 (1/2)

following conclusions:-

consent be obtained.

The Surveyors should be informed that the normal fee for the testing of these forgings should be charged.

Return plan.

Retain copy.

W.G.F.

20.11.33.

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W299-0159 (2/2)

conclusions:-