

Steamers: "THODE FAGELUND", "CUBANO", "TROUBADOUR"
and "TUGELA".

These vessels are fitted with exhaust turbines and Bauer Wach transmission.

In these cases, where the power of the exhaust turbine is transmitted through a hollow gear wheel shaft attached to the main shafting by means of a coned coupling, it is a requirement of the Rules that at the Special Surveys Nos. 1, 2 and 3 the coned end of the internal driving shaft is to be exposed and the shaft examined as far as practicable.

A letter has been received from the Oslo Surveyors stating that in the vessels mentioned above the coned end of the shaft cannot be exposed without removing the shaft from the vessel and in the opinion of the Owners it should not be necessary to remove the cone coupling for examination of the shaft.

They have forwarded copies of correspondence from the Patentees of the Bauer Wach system (The Deutsche Schiff und Maschinenbau A.G. "Weser") who contend that dismantling for survey is not necessary and that the few cases where defects have been found these have been due to faulty workmanship and not to faults in the original design.

In the view of the Weser Company the connection of the hollow and internal shafts is a permanent one and dismantling for classification purposes is not necessary.

In the case of the "THODE FAGELUND" they state the hollow coupling is of a specially strong design.

Since the introduction of the Bauer Wach L.P. turbine and reduction gear there have been 16 cases of serious defects in the cones of thrust shafts and/or hollow couplings, and as the matter affects the main shafting it is one of prime importance.

IT IS SUBMITTED the Oslo Surveyors be requested

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to inform the Owners that the matter has been carefully considered but in view of the Society's experience of serious defects in the hollow couplings and thrust shafts of machinery of this description it is considered that the time has not yet arrived when the connection of the hollow shaft to the main shaft can be considered to be a permanent one and the Society's existing Rules waived.

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Rep

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