

s.s. "SOPHIE MARIA".

This vessel was built by Messrs. Unterweser Shipbuilding Co., Bremerhaven, in 1923 and originally classed with the Germanischer Lloyd.

The Owner now desires this Society's classification and plans of the boilers and shafting have been forwarded for consideration.

With steam reciprocating engines having cylinders 440 mm., 700 mm., and 1160 mm. diameter by 700 mm. stroke, working pressure 14 kg. per sq. cm., and screw shaft fitted with continuous liner, the existing sizes of shafting, viz:- crankshaft 230 mm., intermediate 215 mm. and screw shaft 240 mm. diameter meet the requirements of the Rules.

The scantlings of the boilers as shown on the plan meet the requirements of the Rules for the original working pressure of 14 kg. per sq. cm., with the exception of the furnace plates, combustion chamber back and side plates and steam dome shell and crown plates, which are somewhat less than required by the Rules.

IT IS SUBMITTED that provided the working parts of the machinery be opened out, examined and found in good condition, the boilers be examined throughout, their scantlings be found in accordance with the plan, the furnaces, combustion chamber back and side plates and steam dome shell and crown plates be specially examined and found to show no sign of strain, and the pumping arrangements be in accordance with the requirements of the Rules, the machinery of this vessel might be accepted for

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the original working pressure of 14 kg. per sq.cm. and a notation of LMC (with date) without the distinguishing mark * assigned.

It is concluded that the diameter of the thrust shaft is not less than 224 mm.

A plan of the pumping arrangements should be forwarded for consideration, if available.

Return 2 plans unstamped.

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