

Urgent

S.S. "LEPANTO".

No. 27433 in Register Book.

The Hull Surveyors state that this vessel is at present under survey and that an auxiliary vertical boiler has now been fitted to work in conjunction with the three main boilers.

The main boilers are fitted with superheaters but the new boiler will supply saturated steam only and the pipes connecting this boiler to the present main and auxiliary steam pipe ranges are specified by the Owners Superintendent to be of copper.

The Surveyors have pointed out that the use of copper pipes subjected to superheated steam is not permitted by the Rules, but the Owners' Superintendent states that, if permissible, ^{he} ~~they~~ would prefer to fit copper pipes, as the same are short and the bends are somewhat sharp.

In the circumstances, the Surveyors submit the proposal for the consideration of the Committee, and forward a plan of the proposed arrangement.

IT IS SUBMITTED the Hull Surveyors be informed that Section 13 Clause 4 of the Rules requires that copper pipes are not to be used for superheated steam. This is also a requirement of the Standard Conditions for the Design and Construction of Marine Boilers, issued by the Board of Trade.

In the present case, however, it appears that when the vertical boiler is supplying steam to the main steam pipe range, the

pipe No.1.A on the plan will not be in contact with superheated steam, and it is concluded that when the vertical boiler is not under steam, the pipe No.1.A will be shut off at the intermediate valve chest on the stokehold bulkhead.

In these circumstances it appears that this pipe might be made of copper, if so desired.

If, however, superheated steam be used in the auxiliary steam pipe range, either inadvertently or by design, it appears that the remaining pipes (Nos.2.A,1.B, and 2.B) will be in contact with superheated steam, and in the circumstances, it is considered that these pipes should be made of wrought iron or steel.

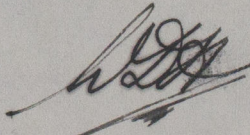
With reference to the statement that the pipe is short with sharp bends, it might be suggested that the use of vertical bends would afford additional flexibility and thus permit the use of wrought iron or steel for all the pipes mentioned above.

Return plan.

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