

URGENT.

S.S. "MALACHITE"

This vessel built by Messrs. Penn & Bauduin, Dordrecht, in 1920, was formerly classed with the Bureau Veritas and is now at Glasgow undergoing survey with a view to classification with this Society.

Plans of the shafting and the main boilers have been forwarded for consideration.

With steam reciprocating engines having cylinders 380 mm., 635 mm. and 1020 mm. diameter by 690 mm. stroke, working pressure 12.6 kgs. per sq.cm, and screw shaft without liners, the sizes of shafting, viz:- crank pins 210 mm. dia., crank journals 205 mm., thrust 202 mm. dia., intermediate 195 mm. dia. and screw shaft 225 mm. diameter meet the requirements of the Rules.

The scantlings of the boiler as shown on the ~~plan are such as could be approved for the intended working~~ *meet the requirements of the Rules* pressure of 12.6 kgs. per sq cm., with the exception of the combustion chamber back plate, the thickness of which owing to the low minimum tensile strength of the material is somewhat below the Rule size.

It is submitted that provided the machinery is opened out and examined and be found in good order and satisfactory condition; the boiler be examined throughout, its scantlings be in accordance with the plan, and the boiler be found in a safe working condition, the machinery of this vessel might be accepted for a working pressure of 12.6 kgs. per sq.cm., and a notation of LMC (with date) without the distinguishing mark * be assigned.

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

turn 2 plans
s.L8No.10 & L5 No.28..

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Pressure to which each is adjusted