

S.S. "DESDEMONA"

Ex German Steamer No.56156 in R.B.

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This vessel built in 1914 by Messrs. Henry Koch of Lubech, was classed with the Germanischer Lloyd, and is now at Leith undergoing survey with a view to classification with this Society.

Plans of the main boilers, superheaters, steam pipe arrangement in boiler room and evaporators, together with particulars of the cylinders and shafting have now been submitted by the Leith Surveyors.

With engines having cylinders  $18\frac{1}{8}$ " x  $29\frac{7}{8}$ " x  $46\frac{15}{16}$ " diameter by  $32\frac{3}{8}$ " stroke, working pressure 14 kg. per sq. cm., diameter of propeller 12' 8", and screw shaft fitted with a continuous liner, the sizes of shafting as stated, viz:- crank  $9\frac{5}{8}$ ", thrust  $9\frac{1}{2}$ ", intermediate  $9\frac{1}{8}$ " and screw shaft  $10\frac{1}{4}$ " diameter are only slightly below the Rule sizes for the above working pressure.

Further the plans of superheaters, steam pipe arrangement in boiler room and evaporators merit approval.

With reference to the boilers the scantlings as shewn on plan meet the requirements of the Rules for the original working pressure of 14 kg. per sq. cm., with the exception of the furnaces, the thickness of which is slightly under that required.

It is submitted that provided the working parts of the engines be opened out and examined and found in good order and safe working condition, and in accordance with the requirements of the Rules; the boilers be examined throughout, and the furnaces be found to shew no sign of strain, their scantlings be in accordance with the plan and the boilers be found in good and safe working condition; the pumping arrangements be in order, and in accordance with the requirements of the Rules, this machinery might be accepted for the original working pressure of 14 kg. per sq. cm., and a notation of LMC (with date) without the distinguishing mark \* be assigned.

The Leith Surveyors should be advised accordingly and be requested to forward a plan of the pumping arrangements.

Return book of plans.

2. 3. 21.

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Leith

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